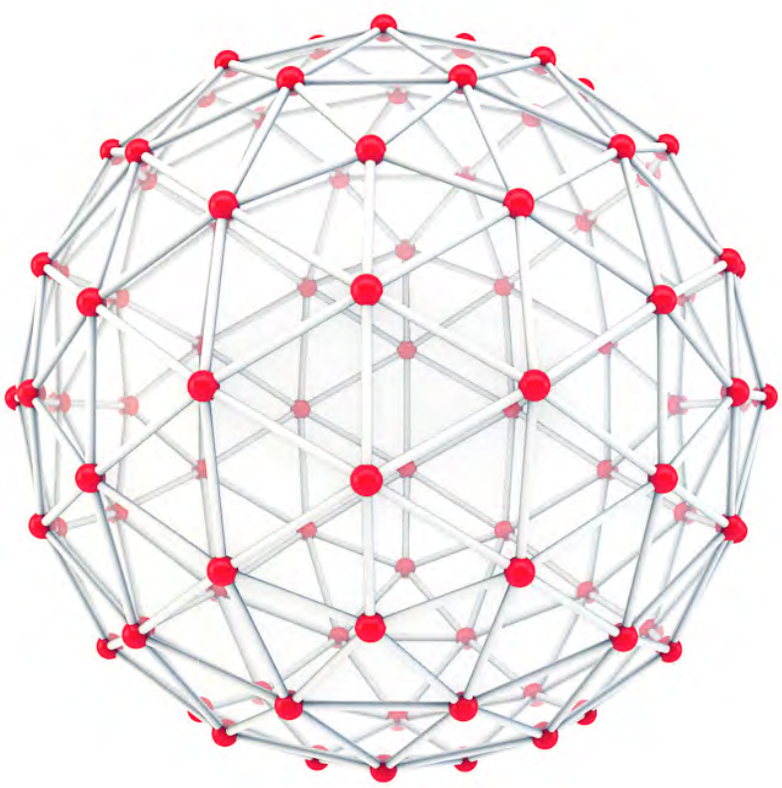
SPANISH NUCLEAR INDUSTRY 2026



GOBIERNO DE ESPAÑA
MINISTERIO DE ECONOMÍA, COMERCIO Y EMPRESA
ICEX España Exportación e Inversiones
ForoNuclear

THANK YOU

To all the companies that make this catalogue real.

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INDEX

MARTA UGALDE

PRESIDENT OF SPANISH NUCLEAR INDUSTRY FORUM

As President of Foro Nuclear, it is an honour for me to address the readers of this catalogue, which showcases the Spanish nuclear industry—a strategic sector for Spain and Europe, recognised for its technical excellence, industrial capabilities and growing international presence. At a particularly complex geopolitical moment marked by energy tensions, external dependence and market volatility, this industry stands out as a key asset for strengthening security of supply, strategic autonomy and economic competitiveness.

At the international level, nuclear energy is consolidating its position as an essential technology for the energy transition. By the end of 2025, 413 reactors were in operation worldwide across 31 countries, with 70 more under construction. Nuclear generation produces approximately 2,700 TWh annually, accounting for around 9% of global electricity production and almost one third of all low-carbon electricity generation.

This momentum comes with major political and financial commitments: 38 countries have endorsed the goal of tripling nuclear capacity by 2050, in a context in which the International Energy Agency identifies the beginning of a new era for this technology.

In Europe, where over 70% of electricity already comes from low-carbon sources, nuclear energy plays a decisive role in ensuring the stability of the electricity system and reducing dependence on imported fossil fuels. The European Commission has described the premature closure of nuclear power plants as a "strategic mistake" highlighting their importance for the continent's competitiveness and energy autonomy.

This context opens the door to significant opportunities for Spanish companies, particularly in areas such as long-term operation—with more than 140 reactors worldwide already licensed to operate for 60 years or longer, new nuclear projects and the development of advanced technologies such as small modular reactors (SMRs).

Over more than six decades, the Spanish nuclear industry has developed a strong industrial and technological base covering the entire value chain, engineering, manufacturing, operation, maintenance, fuel cycle activities, waste management and decommissioning. This comprehensive expertise has enabled Spanish companies to establish a strong international presence, exporting products, services and technology to more than 40 countries.

This position is built on the talent and expertise of its professionals, its commitment to innovation and its contribution to the outstanding performance of Spain's nuclear fleet, internationally recognised for its high safety standards.

The global prestige of the Spanish nuclear industry and its professionals is also reflected in the operational excellence of the country's nuclear fleet. In Spain, nuclear energy is one of the pillars of the electricity system. In 2025, the country's seven operating reactors generated a total of 51,846 GWh, representing 19.05 % of national electricity production while accounting for only 5.21 % of installed capacity. Nuclear energy also provided 25.56 % of all low-carbon electricity generation and operated with capacity factors above 83 %, making it the leading source in terms of equivalent operating hours.

Its contribution is essential to ensuring system reliability, supporting decarbonisation and strengthening energy independence in an increasingly demanding environment.

The nuclear sector is also a major economic and social driver, generating skilled employment, knowledge and industrial activity with strong regional roots.

Available in both Spanish and English, this catalogue provides a detailed overview of the capabilities, services and objectives of the companies that make up this sector. It reflects the high technological, professional and human standards of an industry set to play a key role in a secure, competitive and decarbonised energy system.

ForoNuclear

THE SPANISH NUCLEAR SECTOR

Spanish nuclear industry, which is highly skilled and at the cutting edge of technology, enjoys international prestige.

In Spain, the seven operational nuclear reactors generate about 20% of the country's electricity each year. On a world scale, nuclear generation represents around 10 % with 413 reactors in operation in 31 countries and 70 new reactors in construction in 15 countries. In light of the energy and environmental challenges it faces, the world is committed to building new power plants and ensuring the long-term operation of existing ones.

These data have meant that a large number of Spanish companies have focused their activity in the nuclear sector, based on the experience and thanks of their participation in the development of the Spanish nuclear programme since its beginnings and are present in the whole chain of value.

All of this industrial structure has evolved with the circumstances of each moment, incorporating new technologies adapted to current needs and requisites and making it possible that Spanish companies are present today in nuclear projects in more than 40 countries, in four of the five continents.

The Spanish nuclear industry also participates in international research and development projects for advanced nuclear reactors, in Small Modular Reactors (SMR), in programmes based on nuclear fusion, such as the ITER International Project and in programmes related to high energy physics.

The electrical companies focus their main activity on the production, transportation, distribution and commercialisation of electricity. The objective of these companies is to work permanently towards excellence in the management of nuclear power plants, with a commitment to continue to produce in a safe and reliable way and promoting growth in their areas of influence both from the social, economic and environmental point of view.

Since the construction of the first nuclear power plant they have extended their actions to the study of the optimization of the performance, maintenance, management of improvements in equipment and procedures, management of the fuel cycle and the development of new reactors.

The Spanish electrical companies are capable of participating in an efficient manner in international markets undergoing a process of growing integration, globalisation and increase in competition.

The international suppliers of nuclear systems provided the first "key in hand" nuclear power plants in Spain and the steam generation systems for the nuclear power plants that were built after that. This was due to the fact that, at the beginning of the Spanish nuclear programme, the decision was made not to constitute a company of systems linked by license to a foreign supplier, which would have meant having to choose a single type of reactor.

The suppliers of electrical systems currenly provide support services to nuclear sites in operation and maintenance in more than 20 countries, such as for example, Belgium, Brazil, Bulgaria, China, Slovakia, Slovenia, United States, Finland, France, India, Japan, Mexico, United Kingdom, South Africa, Sweden, Taiwan, etc.

These companies work through agreements with Spanish companies with which they have developed strong technological links. This has led to as framework of mutual benefit, through which the Spanish industry has been able to participate in the development of nuclear projects all over the world.

The design, manufacture and supply of fuel to Spanish and international nuclear power plants is made by the public capital company ENUSA Industrias Avanzadas and is responsible for the supply of raw materials and their processing right through to the final elaboration of the product. It is the owner and operator of the fuel elements factory in Juzbado (Salamanca), one of the most innovative in Europe which, since the start of its operation in 1985, has manufactured more than 27,900 fuel elements for both Spanish and foreign nuclear power plants.

The manufacture of capital equipment is made by Spanish companies who cover the production of main equipment to turbine alternators, valves, cranes, piping, boilers or equipment for handling the storage

of fuel for both Spanish and foreign nuclear power plants, with a recognized level of quality. At present more than 80 % of their annual production is exported.

At present, the whole portfolio of orders for the supply of large components as well as a high percentage of the rest of components of this group of companies is for exports.

The Spanish engineering and services companies have created an important engineering capacity for nuclear power plants, providing support in the management of the construction of new plants and in the operation and maintenance of the plants in operation, with a very diversified activity in which they export more than 60 % of their annual production and in some cases up to 100 %.

These companies have developed very specialised services such as the supply of simulators, training programmes for operators, in service inspection and the development of support and improvement systems in production. Their clients include all of the Spanish nuclear companies and a large number of foreign entities.

Some of these companies have laboratories for radiological analysis which offer an integral service that responds to all the needs of the sector and which are focused on the efficient and sustainable management of their activities.

Although it is not a partner company of Foro Nuclear, the radwaste management in Spain is carried out by the National Radwaste Company, Enresa. It is a public company and is an important international reference and example as its activities are studied and monitored by more than 15 countries around the world who have visited its site.

Very low, low and medium activity radwaste from nuclear sites, hospitals research centres and industry is managed in the Storage Centre in El Cabril, located in the province of Cordoba.

The fuel used in the nuclear power plants is stored in the onsite pools located at the facilities. When these are completed, the spent or irradiated fuel is stored in dry storage in the Individualised Temporary Storage Facilities (ITSFs), also located at the facilities. All the Spanish nuclear power plants in operation and dismantling have operational ITSFs except for Vandellós II, which in August 2023 initiated the procedures for its construction.

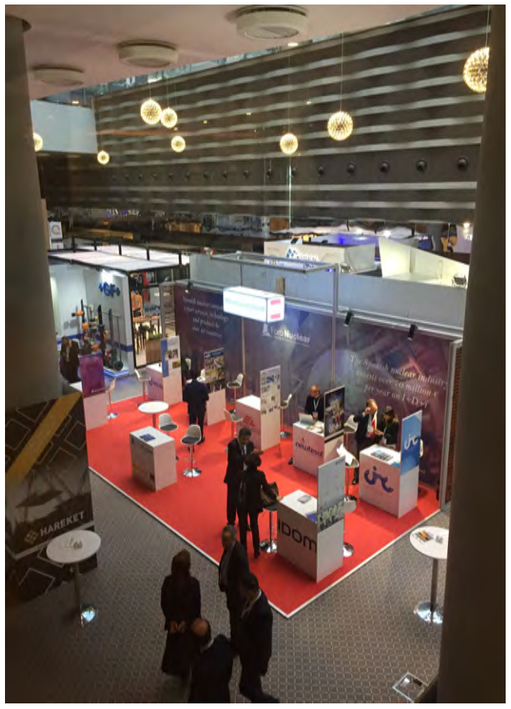
Among its activities Enresa is also responsible for decommissioning nuclear and radioactive sites and was a pioneer in the decommissioning of the nuclear power plants of Vandellós I, José Cabrera and Santa María de Garoña.

Spanish Nuclear Industry Forum (Foro Nuclear) is a non-profit association which defends the Spanish nuclear sector and the continuity of the nuclear power plants and covers all of these companies and supports them in all the activities that they require.

Through their four phases of action, Support to the Industry, Technical Support, Communication and Education and Training it attends to the needs of the companies in the Spanish nuclear sector, at both a national and an international level.

In the area of Support to the Industry, Foro Nuclear coordinates the activities of the industry in different scenes, such as the participation in exhibitions with grouped pavilions, the organisation of business meetings among companies from different countries, the coordination of technical workshops in events of interest, etc.

For all of these activities it has the support of both national and international entities and institutions which gives it a greater diffusion and the possibility of reaching other companies that are not members of the Association.



Thanks to a collaboration agreement signed with ICEX Spain, Trade and Investment, Foro Nuclear is recognised as an agent responsible for providing services, in the name and representation of the entity, for the internationalisation of the nuclear sector companies, in the area of the management of aid relating to the promotion of internationalisation.

Through specific agreements with the commercial offices in Spain of those countries that are of interest for the companies in the nuclear sector, Foro Nuclear organises bilateral business meetings which make it possible to know the capacities of the participating companies and open up the possibility for collaboration among them, both in the countries that organise the meeting and in third countries.

The figures of the activity of Spanish nuclear industry and the degree of internationalisation of their companies are the best proof of the competitiveness of the sector and the capacity of nuclear professionals. At present the nuclear sector is a consolidated, prestigious industry that generates wealth and employment.

The aim of the catalogue of the Spanish nuclear industry is to reflect the eality of an open and dynamic sector in a growing international market in light of the renewed interest in nuclear energy.

ELECTRICITY UTILITIES

EDP
ENDESA, S.A.
IBERDROLA, S.A.
NATURGY

12-19

The Spanish electric utilities constanly work towards excellence in the management of nuclear power plants with a strong commitment to enabling long term production in a safe way.

EDP

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48001 Bilbao (Bizkaia)
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2025 Economic Data (Million €)	EDP Group
EBITDA	5,000
Net Profit	1,400
Number of employees	12,600

In Spain, **EDP** is made up of a group of companies involved in the generation and distribution of electricity, and in the supply of electricity, natural gas and energy services.
It is part of the energy group **EDP**, a world leader and one of the main operators in the Iberian Peninsula. The group is present in four regions worldwide (Europe, North America, South America and Asia-Pacific), with a total installed capacity of 32 GW and generation of 64 GW of which 90 % is renewable. The company has more than 12,500 employees.

The **EDP Group** distributes 90 TWh of electricity to around 10.5 million supply points, with 391,000 kilometers of distribution networks in the countries where it operates (Spain, Portugal and Brazil).

EDP leads the energy transition to create greater value, with accelerated and sustainable growth, it has been recognised annually as the most sustainable electric utility in the world according to the Dow Jones Sustainability Index. It enjoys an empowered, people-centered organisation, alongside a future-proof company and a strong social activity through its Foundation.

EDP remains firmly committed to the 10 principles of the United Nations Global Compact for a more sustainable life, in line with the values of respect for the human rights, employment, environmental protection and anti-corruption.

EDP presents a unique and realistic project to transform its thermal power plants into "green hubs" linked to renewable energies, green hydrogen, energy storage and electricity system flexibility. This project to transform the Aboño power station into the Asturian green hydrogen valley (Asturias H2 Valley) is the development project that has achieved the greatest recognition in Europe.

ELECTRICAL GENERATION

EDP has a diversified generation power in Spain that stands out for its efficiency, high availability and operational flexibility. Its participation in the Trillo Nuclear Power Plant allows **EDP** to have first-class nuclear experience.

Generation Data 2025	Production (GWh)	Power (MW)
Hydro	687	444
Classic Thermal	425	916
Combined Cicle	1,867	854
Nuclear	1,082	156
Solar + Wind	4,500	2,082
	8,561	**4,452**

ELECTRICAL DISTRIBUTION

The **EDP Group** has three distribution companies in Spain: Begasa, E-Redes, and Viesgo. In total, their electricity networks extend to 53,340 kilometres and include 1.4 million supply points.

The company's electricity networks extend across Galicia, Asturias, Cantabria, Castile and León, Madrid, Valencia, Alicante, Barcelona, Huesca, Zaragoza and Tarragona.

EDP has the best electricity supply quality in Spain, as reflected by the TIEPI index (Equivalent Interruption Time to Installed Power).

Electric distribution data 2025
(E-Redes+ Viesgo+ Begasa)

Electric supply points	1,400,000
Distributed electricity (GWh)	13,432
TIEPI min)	19

COMMERCIALIZATION

In the commercial area, in an environment defined by its strong competition, the focus was laid upon optimization of the B2B customer portfolio. Commercialized energy exceeded 10 TWh in 2025.

SERVICES

Innovation in customers solutions with new energy services such as distributed solar power, energy storage, energy efficiency and electric mobility. The company continues to create alliances to boost savings, sustainability and competitiveness of its business customers.

RENEWABLES

EDP is one of the world's leading renewable energy operators, with an installed capacity of 28 GW. In Spain, the company exceeds 2 GW of installed renewable power across wind, hydro and solar.

EDP was the first company to start up a hybrid wind and solar farm in the country, area in which it has already reached almost 1 GW of hybrid power on the Iberian Peninsula.

The company is focused on operational excellence and a firm commitment to local communities and society.

ENDESA, S.A.

C/ Ribera del Loira, 60 (Campo de las Naciones)
28042 Madrid
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Capacity (MW)	22,616
Electricity generation (GWh)	61,011
Electricity sales (GWh)	75,160
Nº of customers (millions)	9.6
Revenue	21,424 million €
Gross operating income (EBITDA)	5,756 million €
Profit from operations (EBIT)	3,331 million €
Net income	2,198 million €
Workforce	8,914 employees
Distributed energy (GWh)	143,555

*Data as of December 31, 2025

Founded in 1944, **Endesa** is a leading player in Spain's electricity sector and the second-largest operator in the Portuguese electricity market. The company, part of the multinational energy group Enel, employs nearly 9,000 professionals and serves 9.6 million electricity customers and 1.7 million gas customers.

Endesa's core business focuses on the generation, distribution, and sale of electricity. It is also a key actor in the natural gas sector and offers a wide range of energy-related services.

ZERO-EMISSIONS GENERATION AND GRID DEVELOPMENT: KEY PRIORITIES

Endesa is committed to developing a new energy model based on clean energy, respect for the natural environment and sustainable development.

Simultaneously, the company maintains its commitment to becoming a net-zero company by 2040. It is also working to lead the technological transformation currently underway in the energy sector, supported by a strong industrial position.

Endesa's Strategic Plan for the 2026–2028 period shows that it is exceptionally well-positioned to lead the energy transition and capitalise on the vast opportunities arising from the necessary electrification of the economy (transport, industry, and buildings), as well as the attraction of new consumption from industry and data centres.

The investment plan included in the updated Strategic Plan represents **Endesa**'s largest investment effort in the past twelve years, since it began operating within the Iberian Peninsula perimeter in 2014: €10.6billion, 10 % more than the previous 2025-2027 plan (which stood at €9.6 billion).

80 % of the total €10.6 billion investment will be allocated to the two main areas of the energy transition: distribution networks and renewables, which absorb €8.5 billion, 10 % more than in the previous plan. Specifically, more than half of the resources —€5.5 billion — will be devoted to strengthening the electricity grid and enabling new customer connections, provided that regulations allow investment levels above the current caps and guarantee recognition of 100 % of the investments made.

Investments in renewables will total a further €3 billion, 28 % of the total, and will be guided by selective criteria with a focus on wind power and storage infrastructure. Together, these will account for 1,500 MW of the 1,900 MW expected to be added to the renewable generation base by the end of 2028.

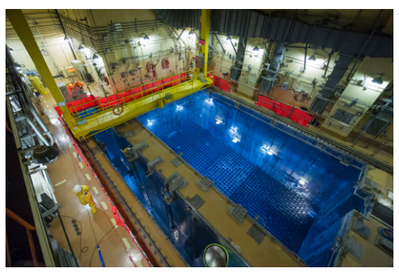
Renewable production at the end of the period will thus stand at 25.2 TWh, up from 17.7 TWh at the end of 2025, thanks to the increase in installed capacity to 13,200 MW across wind, hydro, solar, and storage.

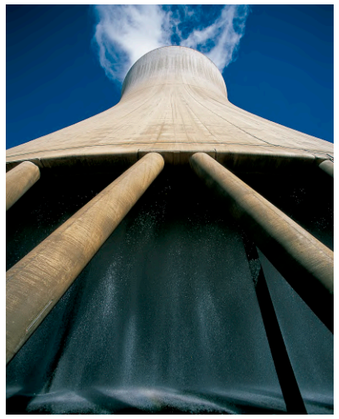
The electricity and gas retail business will absorb another €900 million.

Strengthening in-person customer service and alliances and achieving efficiencies to maintain competitiveness in a highly challenging market will be the key pillars of this activity.

2025 PERFORMANCE HIGHLIGHTS

In electricity generation, **Endesa** boasts a diversified energy mix, with nuclear power being the leading source. Nuclear generation reached 24,924 GWh in 2025, contributing to a total annual generation of 61,011 GWh. Non-emitting technologies —renewables and nuclear— accounted for 86 % of **Endesa**'s peninsular electricity generation. Concerning distribution, Endesa delivered 143,555 GWh of electricity to nearly 22 million supply points across Spain, using a distribution and transmission grid spanning





almost 322,000 km. At the end of the year, 12.7 million end users were connected to Endesa's distribution network.

In 2025, net electricity sales regarding the commercialisation of electricity, gas, and value-added products and services (VAPS) totalled 75,160 GWh, while the company's electricity customer portfolio included 9.6 million supply points. **Endesa** also marketed 62,547 GWh of natural gas in 2025 (excluding internal generation consumption), with its conventional natural gas customer base reaching 1.7 million supply points.

ENDESA AND NUCLEAR ELECTRIC GENERATION

Endesa supports the need to adapt the nuclear power plant closure plan agreed upon in 2019 to the actual progress of the INECP to bolster security of supply in light of the significant delay in meeting wind power and storage capacity targets for 2030. Nuclear technology is the most competitive and efficient option compared with any alternative under conditions of equal taxation with other technologies.

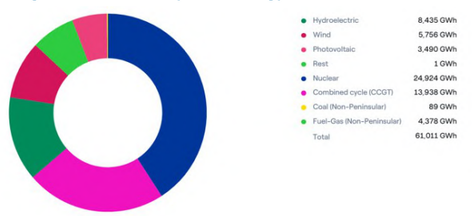
Therefore, **Endesa** advocates extending its operation, subject to compliance with the NECP assumptions, beyond the planned closure dates to continue providing stability and reducing the electricity system's costs and emissions.

Endesa is Spain's largest producer of nuclear power, holding 46.7 % of the country's installed nuclear capacity through its ownership stakes in various plants. This represents a net capacity of 3,328 MW (3,453 MW gross).

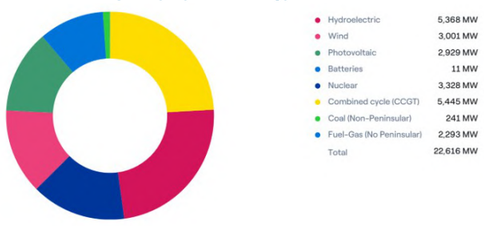
The company is fully committed to excellence in the management of its nuclear plants. In 2025, the nuclear fleet maintained a load factor of 85,5 %.

Thus, it remains dedicated to the safe and reliable long-term operation of its nuclear assets, as outlined in its nuclear policy approved in February 2011. This commitment also extends to the surrounding communities, supporting economic growth and promoting environmental and social sustainability.

Endesa's generation mix by technology (as of 31 December 2025)



Endesa's net installed capacity by technology (as of 31 December 2025)



Endesa's peninsular generation mix by technology (as of 31 December 2025)

Nuclear Power Plants		% ENDESA	Participation ENDESA (MW)
Ascó I	1,033	100	1,033
Ascó II	1,027	85	873
Vandellós II	1,087	72	783
Almaraz I	1,049	36	378
Almaraz II	1,044	36	376
Trillo	1,066	1	10.7
Cofrentes	1,092	0	0
Total Nuclear	**7,399**	**47**	**3,453**

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Net profit	6,285 M€ million €
Total invesment to 2026	41,000 million €
Investment in Networks to 2026	21,500 million €
R&D Investment Plan (2025-2028)	1,600 million €
Installed capacity in 2025	58,343 MW MW
Supply points in 2024	37.8 million
Tonnes of CO_2 avoided in 2023	26.7 million
Employees	45.400

Iberdrola is a private global company with experience forged over the span of more than hundred seventy years of history at the service of energy development, supply guarantee, quality and innovation.

Iberdrola owns a balanced, efficient and well diversified grid, guaranteeing its response capacity in any energy related matter.

BUSINESS OBJECTIVE

The company has taken a decisive and pioneer bet to use cleaner generation technologies, fight against climate change and respect towards the environment, becoming world wide leader in wind power.

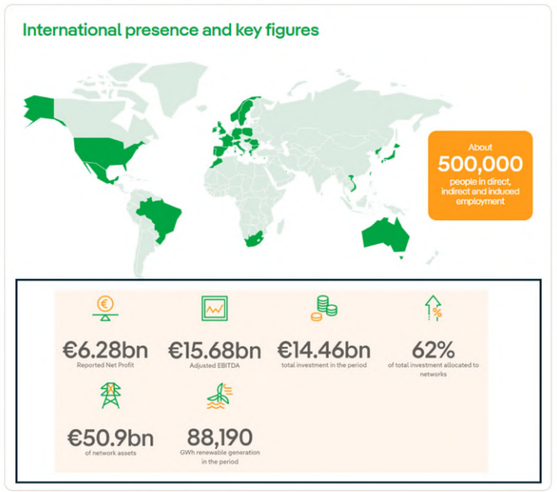
Fighting against climate change and in favor of sustainable development is one of the strongest commitments of Iberdrola, establishing as environmental objective to reduce the CO_2 emissions below 150 gr per kWh in 2030, that is, 50 % below the specific emissions released by the company in 2007 and be carbon neutral by 2050.

STRATEGIC PLAN

At **Iberdrola**, we work with the purpose of building an electric, healthy, and accessible energy model, based on the well-being of people and the preservation of the planet. To achieve this, in March 2024, we updated our commitments and strengthened our investment strategy with 41 billion euros for the period 2024-2026, focusing on boosting the electrification of the economy and anticipating new sources of electricity demand.

GENERATION MIX

The company has an installed capacity of 58,343 MW worldwide. In Spain, the total installed capacity is 32,228 MW. In 2025, 32.4 % of the company's production in Spain came from nuclear energy, followed by hydraulic energy (32 %), renewable energy (21.6 %), combined cycles (8.3 %), and cogeneration (2 %).



Data extracted from the Result Presentation 2025

Iberdrola owns 43 % of nuclear installed capacity in Spain

IBERDROLA SHARE IN THE SPANISH NPP'S

NPP	POWER (MWe)	Share IBERDROLA	Capacity IBERDROLA (MWe)
Cofrentes	1092	100%	1092
Almaraz I y II	2094	53%	1103
Trillo	1067	49%	523
Vandellós II	1087	28%	304
Ascó II	1027	15%	154
			3177

NUCLEAR ENERGY IN IBERDROLA

From the whole electricity generated by **Iberdrola** in Spain, more than 40 % comes from nuclear plants, with an installed capacity of 3,177 MW. For **Iberdrola**, the safety of its nuclear plants is the prime objective over other aspects as economics, production or compliance of schedule. Likewise, Iberdrola is committed to generate electricity from nuclear plants in a respectful way with environment, making rational use of natural resources, maintaining the best quality standards and excellence levels, and continuosly carrying out the modernization of its plants according to the state of the art in this field.

OUTSTANDING NATIONAL AND INTERNATIONAL ACTIVITIES

Iberdrola group is a global energy leader, the largest wind power producer and one of the largest electricity companies by market capitalization in the world at the end of 2025. **Iberdrola** leads the energy transition towards a sustainable model through large investments in renewable energies, networks smart devices, large-scale energy storage and digital transformation to offer the most advanced products and services for its customers.

Iberdrola firmly believes that the transition to a carbon neutral economy by 2050 is technologically possible, economically viable and socially necessary. The decarbonization of the economy is a great opportunity to create wealth, generate employment and improve the state of the planet and the health of people. For this reason, the group is committed to leading the energy transition, a path that it started 20 years ago and which has led it to invest 120,000 millions of € since then, to which it will add another 41.000 millions of € until 2026.

Iberdrola faces this scenario by relying on the strategic pillars that have been the basis of its growth: increasing geographic diversification towards countries with solid credit ratings and ambitious climate policies, maximizing the operational excellence of its plants on a continuous basis, optimizing the portfolio towards sustainability. environmental and financial and promoting innovation and digitalization.

NATURGY

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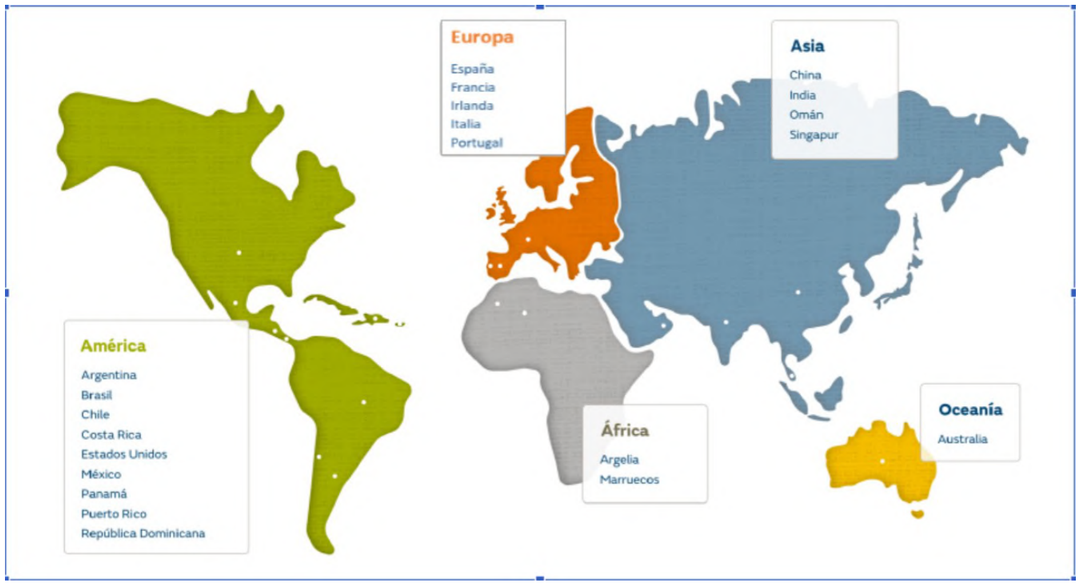
Net turnover	19,445 million €
Net profit	2,023 million €
Consolidated EBITDA	5,334 million €
Workforce	Over 6,500 employees

Naturgy is an multinational energy group operating in more than 20 countries where it serves more than 16 million customers with a generation capacity of 16.2 GW. The basis of its business are in the regulated, liberalised gas and electricity markets.

The company is listed on the four Spanish stock exchanges via the continuous market and forms part of the select Ibex 35 index.

This Spanish multinational participates across the entire energy value chain, from generation and distribution to the commercialisation of natural gas and electricity. Its generation mix is diversified and includes renewable sources, combined-cycles, hydraulics and nuclear.

Naturgy wants to be a key player in the energy transition, which is why it has committed to being carbon neutral by 2050, reducing total emissions by 24 % in 2025 compared to the base year 2017, as reflected in its Strategic Plan and the Sustainability Plan of the company.



OUTSTANDING NATIONAL AND INTERNATIONAL ACTIVITIES

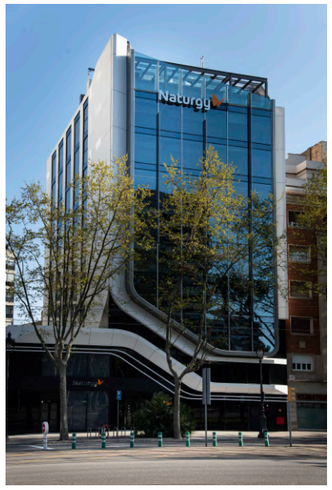
Naturgy promotes best practices in energy infrastructure management, aligning its activities with its concern for the environment, the development of low-emission economies and sustainability. Moreover, as an energy operator, it seeks to achieve progress in the use of increasingly efficient and less polluting energies and is committed to attaining enhanced air quality for our urban environments.

In the electricity generation business, the group's strategy focuses on having a balanced, competitive and environment-friendly generation mix, in keeping with the objectives and commitments of the COP21 with regard to global warming and consolidation of its presence as one of the chief operators of the Spanish electricity sector.

Naturgy's electricity generation capacity in Spain stands at 13.3 GW and is based on a balanced, competitive and environmentally-friendly generation mix with significant contributions from five technologies: 7.4 GW combined cycle plants, 5,3 GW renewable generation and 0.6 GW nuclear.

Regarding nuclear power generation, the company participates in the Almaraz (I and II) and Trillo nuclear power plants, with a percentage of 11.3 % and 34.5 %, respectively.

Internationally, **Naturgy** has an installed capacity of 2.6 GW in conventional generation (Mexico and the Dominican Republic) and more than 1.5 GW of renewable generation in EE.UU., Costa Rica, Panama, Mexico, Chile, Brazil and Australia.



NUCLEAR SYSTEMS SUPPLIERS

GE Vernova Hitachi Nuclear Energy (GVH)
Westinghouse Electric Spain

22-25

Nuclear systems suppliers provide support and maintenance services to nuclear sites in operation across more than 20 countries.

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GE Vernova Hitachi Nuclear Energy (GE Vernova, Nuclear division) President and CEO	Jason Cooper
GE Vernova Hitachi Nuclear Energy Headquarters	Wilmington, NC, USA
Other North-America office locations	San Jose (CA), Morris (IL) y Markham, (Ontario)
Other European office locations	Madrid, Zurich, Stockholm, Warsaw and London

The future of nuclear energy is here and **GE Vernova Hitachi Nuclear Energy (GVH)** is making the next generation of nuclear a reality.

BUSINESS OBJECTIVE

GE Vernova Hitachi Nuclear Energy is a world-leading provider of advanced reactors, fuel and nuclear services. Established in 2007, the **GE Vernova Hitachi Nuclear Energy** nuclear alliance combines GE Vernova's design expertise and history of delivering reactors, fuel and services with Hitachi's proven experience in advanced modular construction.

Our history of boiling water reactor (BWR) technology dates to the 1950's. Most recently, **GE Vernova Hitachi Nuclear Energy** has developed an industry leading small modular reactor (SMR), the BWRX-300, a cost-competitive, 10th generation BWR based on proven technology and powered by today's commercially available fuel design, GNF2. This design benefits from decades of operating experience.

Momentum around the BWRX-300 continues to build globally. The first BWRX-300 is under construction at Ontario Power Generation's Darlington site in Canada, with completion expected by the end of the decade, which will make it the first small modular reactor in the Western world. Key components like the reactor pressure vessel are being manufactured, and site construction is progressing according to plan. An additional three units are planned at the site. The U.S. Nuclear Regulatory Commission has accepted and is reviewing Tennessee Valley Authority's (TVA) application to construct the first BWRX-300 in the U.S. at the utility's Clinch River site in Oak Ridge, Tennessee. The U.S. Department of Energy has announced a $400 million grant to TVA to continue to accelerate the deployment of the BWRX-300 at Clinch River.

In Poland, Orlen Synthos Green Energy and **GE Vernova Hitachi Nuclear Energy** have entered into an agreement through which OSGE will invest in the Polish Generic Design of the BWRX-300. The BWRX-300 is under consideration for deployment in other nations including Sweden, Finland and Estonia. These developments, and others, support **GE Vernova Hitachi Nuclear Energy**'s progress and leadership in scaling and deploying SMRs commercially to customers around the globe.

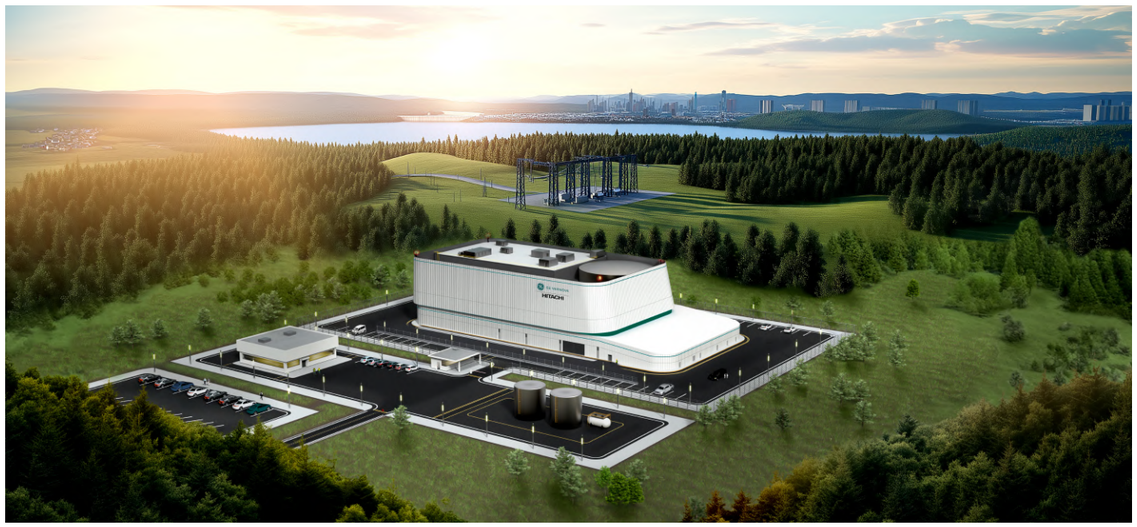
ACTIVITIES AND REFERENCES

In addition to a heritage of designing BWR technology, we have been designing and manufacturing BWR fuel, as well as servicing the fleet for more than 60 years. Our Global Nuclear Fuel (GNF) joint venture has fuel manufacturing facilities in Wilmington, North Carolina and Kurihama, Japan. We have also partnered with ENUSA to serve European customers from ENUSA's Juzbado, Spain manufacturing location. Since 1996, **GE Vernova Hitachi Nuclear Energy** has marketed fuel and associated services for Europe through the Spanish company GNF ENUSA NUCLEAR FUEL, S.A. (known as GENUSA).

Fuel innovation is the core driver of GNF's mission—GNF4, its latest product configuration, offers the benefits of an 11x11 fuel matrix to enable a more cost-effective fuel cycle. Developed for our highest industry performance, it meets modern BWR operator needs with greater safety and reliability.

The **GE Vernova Hitachi Nuclear Energy** services team has a broad portfolio of offerings for components and systems. This team can conduct refueling outages, execute an array of inspections and make modifications and upgrades to reactor components and systems. The **GE Vernova Hitachi Nuclear Energy** parts division provides commercial-grade parts, dedicates parts to safety-related specifications and can fully meet the Product Quality Initiative requirements.

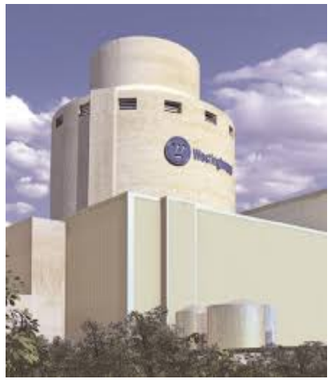
GE Vernova Hitachi Nuclear Energy is part of GE Vernova, a purpose-built global energy company that includes Power, Wind, and Electrification segments and is supported by its accelerator businesses. Building on over 130 years of experience tackling the world's challenges, GE Vernova is uniquely positioned to help lead the energy transition by continuing to electrify the world while simultaneously working to decarbonize it. GE Vernova helps customers power economies and deliver electricity that is vital to health, safety, security, and improved quality of life. GE Vernova's technology base helps generate approximately 25 percent of the world's electricity. GE Vernova is headquartered in Cambridge, Massachusetts, U.S., with approximately 85,000 employees across approximately 100 countries around the world. Supported by the Company's purpose, The Energy to Change the World, GE Vernova technology helps deliver a more affordable, reliable, sustainable, and secure energy future.



WESTINGHOUSE ELECTRIC SPAIN

Avenida de los Montes de Oca, 1
28703 San Sebastián de los Reyes (Madrid)
Tel.: +34 912 084 600

Turnover in Spain	>150 million €
% direct or industrial relationship with exports	50 %
% of the volume of sales comes of the nuclear sector	>90 %
Countries of activity	10-15
Number of nuclear power plants that Westinghouse service	>300 worldwide
Westinghouse Corporate staff	>12,000 employees



Westinghouse Electric Company is the world's leading supplier of safe and innovative nuclear technology. We provide our utility customers around the world with the most reliable, dependable nuclear power plants, nuclear fuel, plant automation and operating plant products and services. We are driven by our powerful history and experience, ground-breaking ideas, focus on safety and sustainability, and our strong team of approximately 12.000 employees around the world.

Westinghouse's presence in Spain began in the mid-sixties with the supply, under a turnkey contract, of the José Cabrera Nuclear Power Plant to the electric company Unión Eléctrica Madrileña. Already in 1972 **Westinghouse** had its own office in Madrid, and since then its presence has been permanent and active by offering services to the Spanish nuclear power plants.

Since the early 1960s, **Westinghouse** continuously increased its presence, capability and technology development in Spain through technology or industrial partnership supplemented with targeted acquisition. In 2001, **Westinghouse** acquired Initec's nuclear division, thus expanding its engineering and design capability in the country. In 2023, **Westinghouse** completed the acquisition of Tecnatom, a Spanish-based company highly specialized in nuclear engineering, field services with innovative digital and simulation technology enhancing **Westinghouse** portfolio and capability to provide full scope services to Spanish customers and abroad.

Nowadays, **Westinghouse** operation in Spain is very strategic for **Westinghouse** with more than 1300 highly skilled workforce, supporting existing nuclear operators safe operation and deploying technologies and know-how to the new build or decommissioning sectors in and outside Spain.

Westinghouse Spain headquarter and major operation center is in San Sebastián de los Reyes, Madrid, with extended operations in Bilbao and the Tarragona region where **Westinghouse** operates through an office in Vilaseca, a Field Services and a Training and simulation operation centers in Hospitalet nearby the nuclear power plants of Ascó and Vandellós.

ORGANIZATION, PRODUCTS, SERVICES and TECHNOLOGY

Westinghouse has two global Business Units, each with single point accountability for delivering products and services to customers, while enabling collaboration across shared functions.

Our Business Units are: APX (New Plants) and OPX (Operating Plants).

APX Global Business Unit:

APX (New Plants) is responsible for industrializing and scaling to deliver **Westinghouse**'s new power plant solutions, including the company's flagship advanced AP1000® modular reactor, the AP300™ small modular reactor (SMR) and energy storage. The APX business unit supports the delivery of multiple large-scale power plant projects in multiple geographies simultaneously, with a single, repeatable delivery model.

OPX Global Business Unit:
OPX (Operating Plants) is responsible for supporting the long term operation, performance, and life extension of the global operating nuclear fleet. OPX consolidates all activities serving operating reactors under a single BU, enabling stronger customer focus and operational excellence.

OPX includes the following product and service segments:

Nuclear Fuel
- Fuel fabrication and engineering services
- Manufacturing footprint in the U.S., Sweden and UK
- Fuel supply agreements (including ENUSA partnership)

Outage & Maintenance Services (OMS)
OMS provides on site and field services to operating and shutdown reactors, including:
- Reactor vessel opening and closing
- Fuel handling and inspection
- Testing and inspection services
- Mechanical plant modifications

Engineered Solutions
Engineered Solutions delivers engineering and technology solutions to the operating fleet, including:
- Reactor and systems engineering
- Safety evaluations and accident analysis
- Power uprates
- Balance of Plant engineering

Training Services

Instrumentation & Control Systems (ICS)
ICS provides:
- Proprietary reactor protection and control systems
- Full plant I&C design, supply, and installation
- Digital modernization solutions
- Simulation and control room solutions

Parts Business
The Parts business supplies:
- More than 100,000 nuclear components annually
- Safety qualified and cost effective solutions to operating plants worldwide

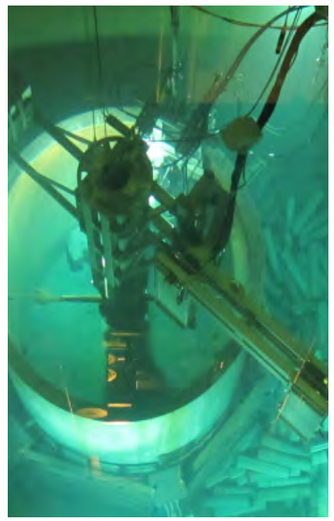


Photo courtesy of ENRESA

NUCLEAR POWER PLANTS

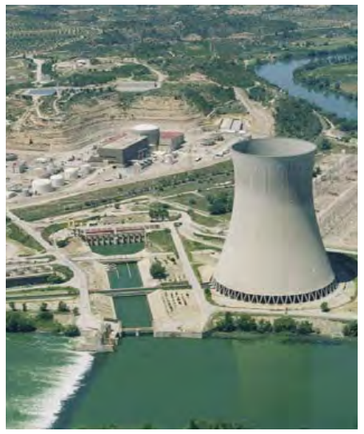
ANAV, Ascó & Vandellós II Nuclear Power Plants
CNAT, Almaraz I & II and Trillo Nuclear Power Plants
Iberdrola, Cofrentes Nuclear Power Plant

28-37

Spanish nuclear power plants operate in a continuous, reliable, safe and clean way, diving growth in their zones of influence.

ASOCIACIÓN NUCLEAR ASCÓ-VANDELLÓS II, A.I.E.

Headquarters
Apartado de Correos, 48
43890 L'Hospitalet de l'Infant (Tarragona)
Tel.: +34 977 818 800
E-mail: comunicacio@anacnv.com



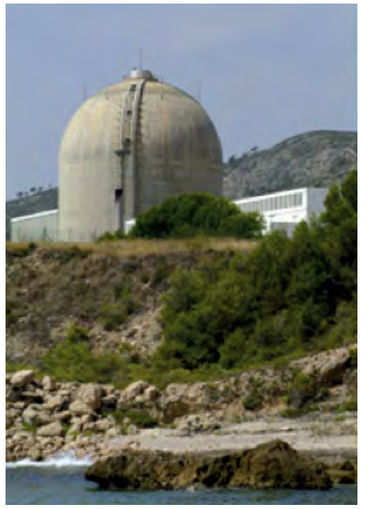
In 1998, as a result of a merger between the companies that independently managed the **Ascó and Vandellós II nuclear power plants**, an economic interest group known as **Asociación Nuclear Ascó-Vandellós II (ANAV)** was born. The rather similar technologies of both plants, and their relatively close locations, led their owner utilities to integrate them into a common management company.

This commitment is embodied both in the Group's investments on the Plants to guarantee their safe and long-term operation, and in direct actions on the territory, with activities that foster economic, social and cultural development of the towns in the areas of influence of both Plants.

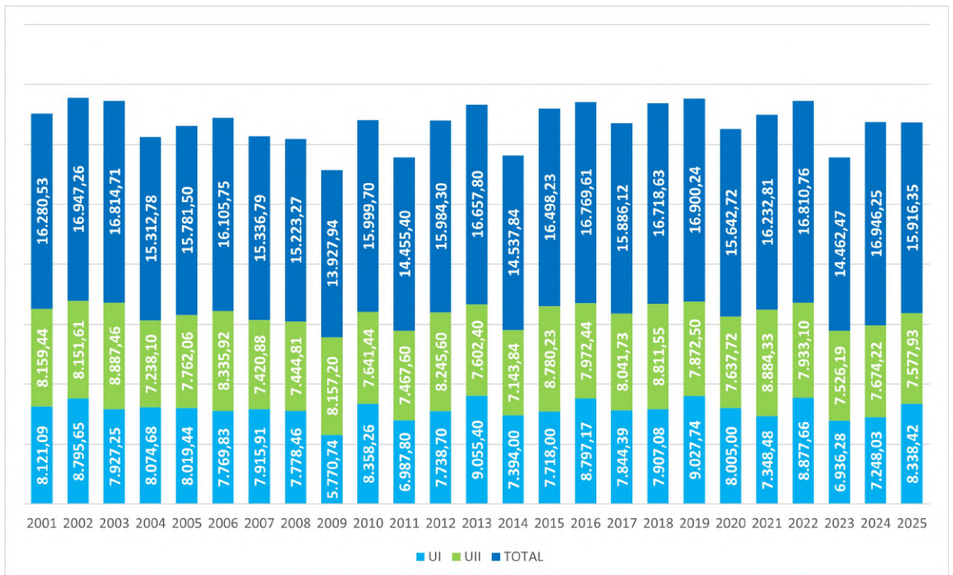
Through its day-to-day business, the staff at **Ascó and Vandellós II NPPs** have a fundamental role employing a total of 1,910 workers at the end of 2025, among the staff of ANAV and the stable contractor companies, which are one of the fundamental cornerstones for the safe operation of these plants. ANAV in this sense is an economic reference both in the province of Tarragona and in the whole of Catalonia.

The Nuclear Power Plants operated by **ANAV** work to provide society, today and in the future, with abundant, stable and emission-free energy, so they continue to prepare, with annual investments of around 100 million euros, modernization of equipment, systems and components and generational renewal of the human team, to go on its long-term activity in the best conditions of saf ty and reliability. 58.8 % of the electricity generation in Catalonia in 2025 came from **Ascó NPP and Vandellós II NPP**.

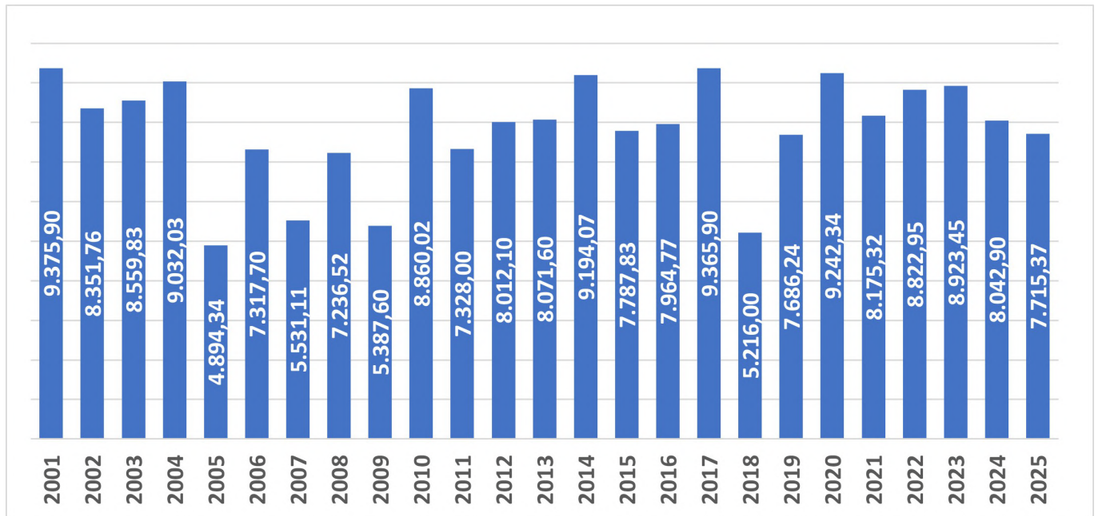
One of the strategic communication tools that **ANAV** has is the Information Center. Since 2011, it has been hosting visits with the aim of giving response and, at the same time, generating new queries among all those who come with the curiosity of knowing what a nuclear power plant is and how it works. This project responds to the multiple objectives of **ANAV** to contribute to the approach of energy and the operation of the nuclear power plants, to generate an added value that complements the offer of the Ribera d'Ebre to attract visitors to the region and meet the existing demand to the nuclear power plant.



ASCÓ NPP GROSS ELECTRIC POWER PRODUCTION (GWh)

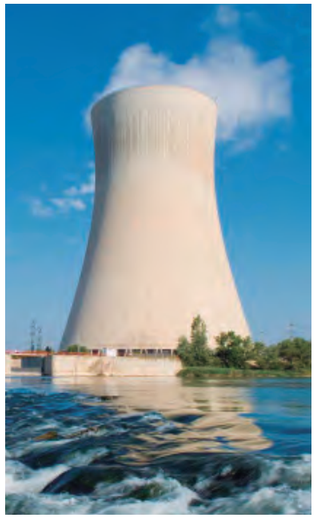


VANDELLÓS II NPP GROSS ELECTRIC POWER PRODUCTION (GWh)



ASCÓ NUCLEAR POWER PLANT

Ascó Nuclear Power Plant
Avda. de la Centrales, s/n
43791 Ascó (Tarragona)
Tel.: +34 977 415 000



ASCÓ NUCLEAR POWER PLANT

The **Ascó Nuclear Power Plant** is located on the right bank of the Ebro River in the district of Ribera d´Ebre, in the municipal area of Ascó in the province of Tarragona. Its construction began in 1972 and 81 % of the construction and equipment assembly work was carried out by Spanish companies.

The **Ascó Nuclear Power Plant** has two pressurised water reactors (PWR), the cooling water for the two units is provided by the Ebro River.

Unit I of the Plant, with a thermal power of 2,940.6 MWt and an electric output of 1,032.5 MWe, belongs to ENDESA and it initiated its commercial operation on December 10th, 1984.

Unit II, with a thermal power of 2,940.6 MWt and an electrical output of 1,027.2 MWe, is jointly owned by ENDESA (85 %) and IBERDROLA (15 %), and it initiated its commercial operation on March 30th, 1986

The **Ascó Nuclear Power Plant** employs 523 people, of which approximately half are university graduates. In addition, the Plant has over 596 staff members from stable contractor companies and that during refueling periods there is an addition 1,000 to 1,100 workers.

Ascó I NPP reached 40 years of operation on 13 August 2023, in accordance with the criteria set by the Nuclear Safety Council, which establishes the first criticality (13/8/83) as the starting date for the operation of a nuclear power plant. In this respect, Unit 2 will reach 40 years of operation on 23 October 2025.

Both units continue to work towards the long-term extension of a safe, reliable and sustainable operation that will continue to provide abundant energy to society, thereby contributing to the fight against global warming.

Ascó Nuclear Power Plant

Reactor type	Pressurised Water Reactor (PWR)
Supplier	Westinghouse
Thermal power	2,940.6 MWt (both units)
Fuel	Enriched Uranium Dioxide (UO_2)
Nº of fuel elements	157
Gross electrical power	1,032.5 MWe (Unit I) and 1,027.2 MWe (Unit II)
Refrigeration	Open circuit, Ebro River
Start of commercial exploitation	December 1984 (Unit I) and March 1986 (Unit II)
Date of current operating permit	02/10/2021 for a 10-year period
Duration of cycle	18 months (both units)

VANDELLÓS II NUCLEAR POWER PLANT

Vandellós II Nuclear Power Plant
Apartado de correos, 27
43890 L´Hospitalet de l´Infant (Tarragona)
Tel.: +34 977 818 700

VANDELLÓS II NUCLEAR POWER PLANT

The **Vandellós II Nuclear Power Plant** is located on the Mediterranean coast in the province of Tarragona, in the municipal area of Vandellòs i l´Hospitalet de l´Infant, being the only Spanish Plant that extracts the cooling water necessary for its operation from the sea.

National participation in the construction and supply of equipment for this Plant amounted to more than 89 % of the total, the highest percentage achieved in Spain for this type of project.

The Plant has a Pressurized Water Reactor (PWR) with a thermal power of 2,940.6 MWt and an electrical power of 1,087.1 MWe, and is jointly owned by ENDESA (72 %) and IBERDROLA (28 %). The Plant launched its commercial operation on March 8th, 1988.

The **Vandellós II Nuclear Power Plant** houses ANAV's corporative headquarters. Between the Plant and the corporate services, the site has a workforce of 791 people, of which 342 are ANAV employees and 449 come from service companies. During refueling periods there is an addition 1,000 to 1,100 workers from around 65 local companies.

At **Vandellós NPP** it is building a individualised temporary storage to store a portion of its spent fuel in a dry environment, thereby freeing up space in its storage pool for new fuel assemblies in future operating cycles. The power plant is therefore working to prolong safe, reliable and sustainable operation in the long term, which will continue to provide society with abundant energy and thus contribute to combating global warming.

Vandellós II Nuclear Power Plant

Reactor type	Pressurised Water Reactor (PWR)
Supplier	Westinghouse
Thermal power	2,940.6 MWt
Fuel	Enriched Uranium Dioxide (UO_2)
Nº of fuel elements	157
Gross electrical power	1,087.1 MWe
Refrigeration	Open circuit Mediterranean Sea
Start of commercial exploitation	March 8th 1988
Date of current operating permit	July 27th 2020
Duration of cycle	18 months

CENTRALES NUCLEARES ALMARAZ-TRILLO, A.I.E.

Headquarters
Avda. de Manoteras, 46-bis
Edificio Delta Norte 6, 5º
28050 Madrid
Tel.: +34 915 559 111

Almaraz Nuclear Power Plant
Apartado de Correos, 74
10300 Navalmoral de la Mata (Cáceres)
Tel.: +34 927 545 090

Type of reactor	Pressurised Water Reactor (PWR)
Supplier	Westinghouse
Thermal power	2,947 MWt (U-I) - 2,947 MWt (U-II)
Fuel	Enriched Uranium Dioxide (UO_2)
Nº of Fuel elements	157
Gross electrical power	1,049.43 MWe (U-I)-1,044.45 MWe (U-II)
Net electrical power	1,011.30 MWe (U-I)-1,005.83 MWe (U-II)
Cooling	Arrocampo dam open circuit
Start of commercial operation	September 1, 1983 (U-I). July 1, 1984 (U-II)
Date of current operating license	UI - 24/07/2020 for a 7-year period UII - 24/07/2020 for an 8-year period
Duration of cycle	18 months (both units)

Almaraz-Trillo NPPs has a staff of 677 employees, distributed between the central headquarters in Madrid with 84 employees, 298 in the **Almaraz Power Nuclear Plant** and 295 in the **Trillo Nuclear Plant**.

ALMARAZ NUCLEAR POWER PLANT

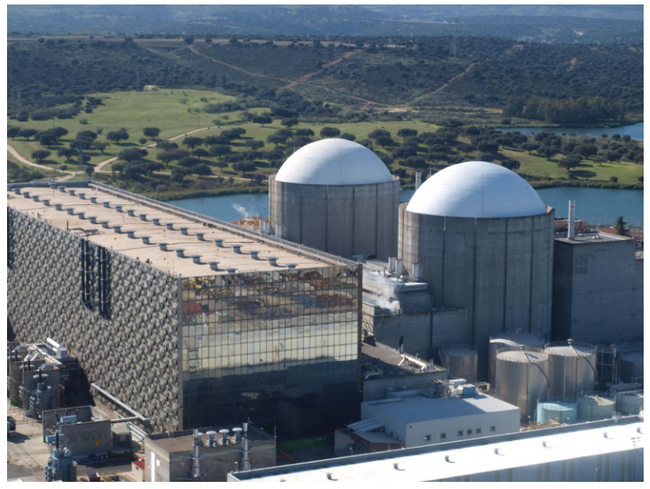
The **Almaraz Nuclear Power Plant** is located in the village of Almaraz (province of Cáceres). The land on which the plant stands occupies a surface of 1,683 hectares.

It belongs to Iberdrola Generación Nuclear, S.A.U. (52.687 %); Endesa Generación, S.A.U. (36.021 %); and Naturgy Generación, S.L.U. (11.292 %). Construction started in 1972 and 81 % of all the construction and assembly work was carried out by Spanish companies.

The **Almaraz nuclear power plant** has two pressurised light water reactors (PWR) with a thermal power of 2,947 MWt each, and an electrical power of 1,049.43 MWe in Unit I and 1,044.45 MWe in Unit II.

Each reactor has a cooling circuit comprising three loops. Each loop in turn has a cooling pump and a steam generator. Both cooling circuits are contained in their respective containment areas in each reactor building.

The steam from the generators is taken to the turbine buildings which houses the two turbogroups, in the same room, but separated. The cooling system (common for the two sites) is an open circuit from the cold spot which is the Arrocampo dam, constructed for this purpose.



Unit I started its commercial service on 1st September 1983 and Unit II did so on 1st July 1984. It is conceived to operate as a base plant, that is, with uninterrupted operation, and it is capable of guaranteeing an average annual supply of 16,000 million kWh.

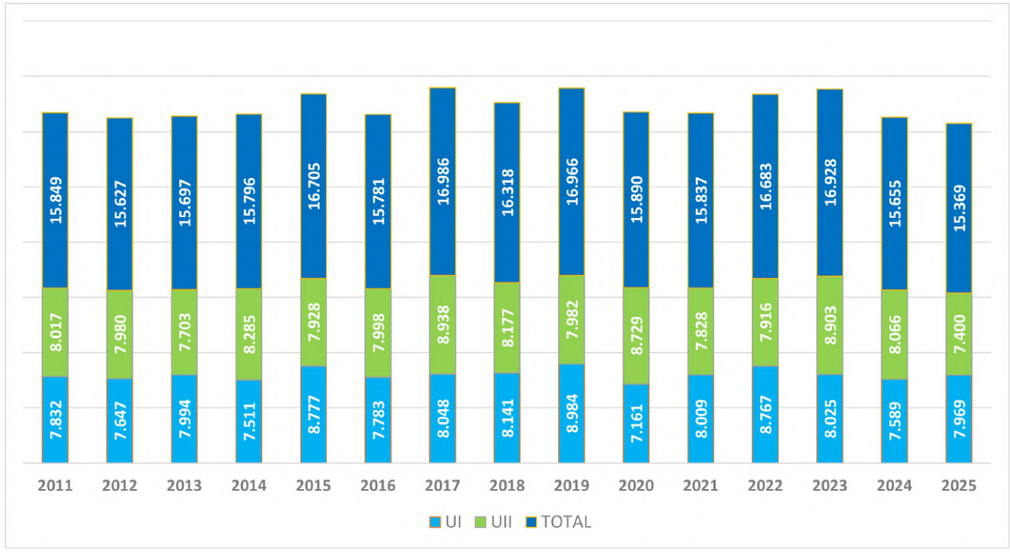
The **Almaraz Nuclear Power Plant** provides around 7 % of the national production of electrical energy. During its years of operation, the two plant units have obtained excellent results in their performance with load factor, operation and availability of more than 90 % and have accumulated a gross electric production of 633,072.1 GWh. These results put the **Almaraz Nuclear Power Plant** among the best in the world park of nuclear power plants.

The **Almaraz Nuclear Power Plant** has a staff of 298 people, of which 54 % have a university degree, plus the collaboration of highly qualified personnel from contracting companies. Training is a key factor for the constant improvement of safety, quality, efficiency and competitiveness.

In order to let the public know about the reality of its activity, it has an Information Centre which started to receive visits in February 1977, years before the plant started its operation, allowing visitors to have a more direct knowledge of what a nuclear power plant is and how it works.

Since its opening the Information Centre has received more than 670,000 visitors. Most of them are students from institutes, schools and universities and mainly from the community of Extremadura.

GROSS ELECTRIC ENERGY PRODUCTION UI+UII (GWh)



CENTRALES NUCLEARES ALMARAZ-TRILLO, A.I.E.

Headquarters
Avda. de Manoteras, 46-bis
Edificio Delta Norte 6, 5º
28050 Madrid
Tel.: +34 915 559 111

Trillo Nuclear Power Plant
Apartado de Correos, 2
19450 Trillo (Guadalajara)
Tel.: +34 949 817 900

Type of reactor	Pressurised Water Reactor (PWR)
Supplier	KWU
Thermal power	3,010 MWt
Fuel	Enriched Uranium Dioxide (UO_2)
Nº of fuel elements	177
Gross electrical power	1,066 MWe
Net electrical power	1,003 MWe
Cooling	Natural Draught Towers (River Tagus)
Start of commercial operation	August 1988
Date of current operating license	17/11/2004 for a period of 10 years
Duration of cycle	12 months

During its years of operation, the plant has obtained excellent results in its operation, with load factors, operation and availability of more than 90% and have accumulated a gross electric production of 303,649 GWh. It should be noted that in 2023 the plant reached 9,304,908 MWh (maximum production in one cycle).

The Trillo Nuclear Power Plant has a staff of 295 people, of which more than 51 % have a university degree, plus the collaboration of highly qualified personnel from contracting companies.

Training is a key factor for the constant improvement of the levels of safety, quality, efficiency and competitiveness.

TRILLO NUCLEAR POWER PLANT

The **Trillo Nuclear Power Plant** is located in the village of Trillo (province of Guadalajara). The land on which the plant is built occupies a surface of 545 hectares. It is the property of the following Spanish electrical companies: Iberdrola Generación Nuclear, S.A.U. (49 %); Naturgy Generación, S.L.U. (34.5 %); Iberenergía, S.A.U. (15.5 %) and Endesa Generación, S.A.U. (1 %).

Construction started in 1979 and 85 % of the investment made is from Spanish origin. National engineering and equipment exceeded 80 % and such important areas as civil engineering and assembly were all national.

The **Trillo Nuclear Power Plant** has a pressurised light water reactor (PWR) with a thermal power of 3,010 MWt and an electrical power of 1,066 MWe with a cooling circuit with three loops. Each loop in turn houses a cooling pump and a steam generator. This circuit is contained in the containment area of the reactor building. The steam from the generators is taken to the turbine building. The cooling system is a closed circuit with two natural draught towers.

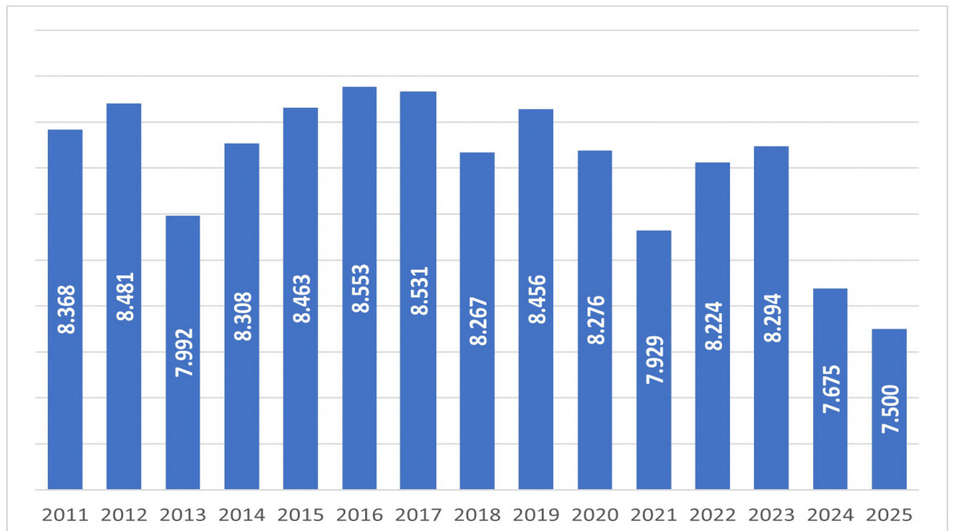
It started its commercial operation on 6th August 1988. It is conceived to operate as a base plant, with uninterrupted operation and guarantees an average annual supply of 8,000 million kWh and is the most modern plant in the Spanish nuclear park.

The **Trillo Nuclear Power Plant** has a temporary dry warehouse which stores part of the spent fuel inside metal containers which are totally hermetic and shielded. With a surface of 2,280 square meters, this warehouse is designed to house 80 containers.

The **Trillo Nuclear Power Plant** has an Information Centre which started to receive visits in November 1981, years before the plant started to operate, allowing the visitors to have a more direct knowledge of what a nuclear power plant is and how it works.

Since it was opened the Information Centre has received more than 375,000 visitors. Most of them are students from institutes, colleges and universities, mainly from the Autonomous Communities of Madrid and Castilla La Mancha.

GROSS ELECTRIC ENERGY PRODUCTION (GWh)



COFRENTES NUCLEAR POWER PLANT

Iberdrola Nuclear Generation
C/ Tomás Redondo, 1
28033 Madrid
Tel.: +34 915 776 500

Nuclear Power Plant
46625 Cofrentes (Valencia)
Tel.: +34 961 894 300
E-mail: cncofrentes@iberdrola.es

Reactor type	Boiling Water Reactor (BWR)
Vendor	General Electric
Thermal power	3,237 MWt
Fuel	Enriched Uranium Dioxide (UO_2)
Number of fuel assemblies	624
Electric power	1,092 MWe
Cooling	Closed-loop circuit with natural-draught cooling towers
First electrical network connection	October 1984
Start of commercial operation	March 1985
Date of last Operating Permit	Since 18th March, 2021 to 30th November, 2030

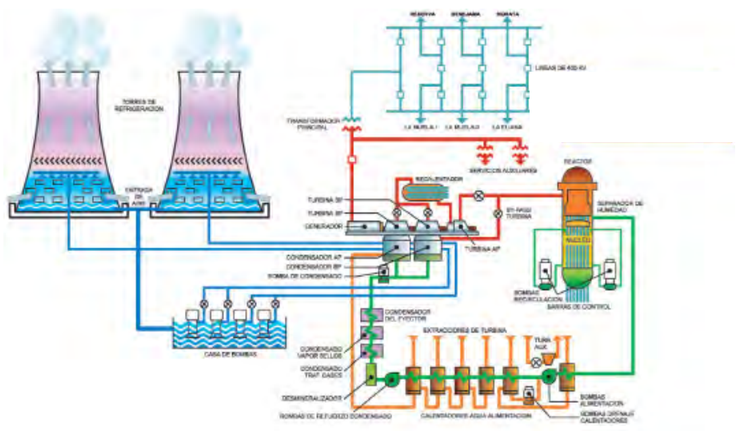
Cofrentes nuclear power plant is owned by the utility Iberdrola Generación Nuclear, S.A.U. It is located in the municipality of Cofrentes (province of Valencia), on the right bank of the Júcar River.

The plant has a nuclear system for steam generation comprised of a light-water boiling water reactor (type BWR/6) supplied by the USA corporation General Electric Hitachi, with a thermal power of 3,237 MWt and an electric power of 1,092 MWe. Plant cooling is ensured by a closed-loop circuit, including two natural-draught cooling towers.

The construction permit was granted in 1975, being connected for the first time to the grid in October 1984.

The plant ended 2025 with excellent results in terms of safety and electricity production.

The plant's operating factor for during the year was 81.88 %, mainly due to the scheduled outage requested by the Central Operations Dispatch (DCO) in April 2025, which lasted 17 days, and the performance of Refueling Outage 25 between September and October, with a duration of 37 days.



Historically, the plant has accumulated an availability factor of close to 90 %, making it one of the most reliable plants of its technology in the world. It actively contributes to maintaining the stability and reliability of the national electricity grid, and is fundamental to the transition towards an electricity system with a greater contribution from renewable sources such as photovoltaic solar energy and wind power.

In accordance with established procedures, 5 events have been reported to the CSN during the year, all of them categorised as level 0 on the INES scale, i.e. without safety significance and off-scale. One of the 5 events of 2025 was caused by the loss of external power due to the nationwide blackout that occurred on April 28, .

Radiological protection of workers was another highlight of 2025, with the accumulated collective dose below the initial target for the year. These good results are the result of the application of the ALARA concept in all the plant's activities and the meticulous planning of work in the controlled zone.

In occupational safety, a noteworthy accident rate was achieved, with zero lost-time and non–lost-time accidents, both for contracted personnel and in-house staff.

The **Cofrentes NPP** has avoided the emission into the atmosphere of some 3 million tonnes of CO_2 and has completed the Environmental Radiological Monitoring Programme (ERSP), confirming the facility's respect for and zero impact on its environment. The plant's meticulous monitoring of its environmental management programme has enabled it to renew its EMAS III (Eco-Management and Audit Scheme) certification, which it has held since 2009 and which is the most demanding environmental certification in Europe.

At the end of 2025, Iberdrola Generación Nuclear will have a workforce of more than 400 people. In addition, **Cofrentes NPP** is supported throughout the year by around

ANNUAL PRODUCTION AND TRIENNIAL AVERAGE (GWh)

350 people from a number of collaborating companies. In refuelling, an average of 1,200 people are hired to provide support for specific jobs.

In April, a 17 day shutdown was carried out for Flexible Operation, due to the weather conditions at the time, thus adapting to the integration of renewable energy into the national electrical system.

The gross electricity production generated during the year was 7,434.27 GWh, free of CO_2 emissions, which represents approximately 2,7 % of the national electricity production and over 50 % of the production of the Valencian Community, which is equivalent to the consumption of more than 2 million homes. Since its commissioning, the plant has been connected to the grid for more than 324,515 hours, with the accumulated electricity supplied amounting to more than 330,269 GWh.

The plant continues to make progress toward the goal of zero accidents and improved risk prevention, achieving excellent results this year, with zero lost time and non–lost time accidents, both among in house personnel and contracted staff.

In addition, the plant continues with the Human Error Prevention Plan, aimed at achieving excellence in human performance throughout the organization. In 2025, it continue with a plan focused on the execution of work on systems in service and digital platforms, with the goal of improving the management and evaluation of such tasks.

The plant remains committed to the international missions of the World Association of Nuclear Operators (WANO).

On May 22, the Annual Emergency Drill was conducted, developed according to a combined scenario with various events that required declaring a General Emergency.

In response to the simulated scenario—based on an operational event with radiological impact within the operator controlled area—the organization carried out all necessary actions to restore safe conditions and implemented the required radiological protection measures, achieving satisfactory results.

The Nuclear Safety Council supervised the exercise at all times, during which organisations such as the SALEM (CSN Emergency Room) and the CECOP (Valencia Operations Coordination Centre) were also activated.

Throughout the year, except during the refueling period, visits to the Information Center continued, aimed especially at students and associations interested in learning about the operation of the plant. In 2025, a total of 3,617 visitors were received, who were able to gain a close-up view of the facility, allowing them to obtain data to assess and draw their own conclusions about the operation of nuclear installations.

The overall balance of the Information Center's experience—open to the public uninterruptedly for 47 years—is very positive, not only because of the 329,968 people who have visited it, but also because it offers an informative window open to all audiences, fostering objective information and debate.

FUEL

ENUSA Industrias Avanzadas, S.A., S.M.E.

40-41

A Spanish company is responsible for all stages of the nuclear fuel production process, from the delivery of raw materials, through to their processing and manufacturing.

ENUSA INDUSTRIAS AVANZADAS S.A., S.M.E.

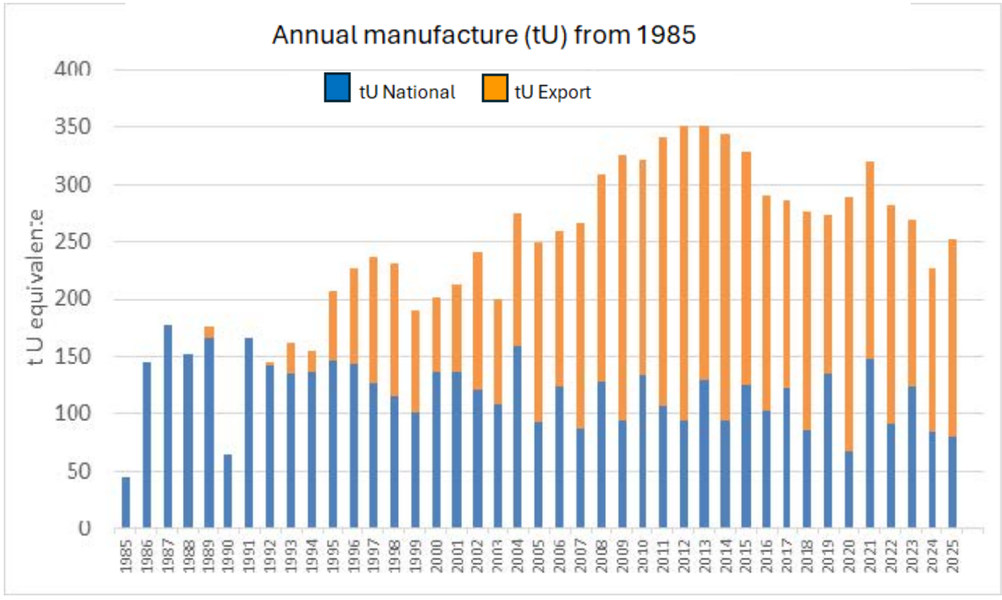
Headquarters
C/ Santiago Rusiñol, 12
28040 Madrid
Tel.: +34 913 474 200
E-mail: comunicacion@enusa.es

Juzbado Fuel Assembly Factory
Road Salamanca-Ledesma, km 26
37115 Juzbado (Salamanca)

Saelices el Chico Center
Road Ciudad Rodrigo a Lumbrales, km 7
37592 Saelices el Chico (Salamanca)

Turnover	334 million €
% from fuel sales that go to R&D projects	2.8 %
Staff number average	633 persons

Manufacturing cumulative form 1985 to 2025	Total PWR	Total BWR	National	Exportation	TOTAL
tU	7,525	2,300	4,881	4,944	9,825
EECC (units)	16,267	12,839	13,535	15,571	29,106



ENUSA Industrias Avanzadas, S.A.,S.M.E. (ENUSA) was founded in 1972 as the National Uranium Company. It was part of an initiative that intended to strengthen the importance of the nuclear component in Spain's energy development. Today **ENUSA** is a public Enterprise 60 % owned by the Sociedad Estatal de Participaciones Industriales (SEPI), and the remaining 40 % by the Centro de Investigaciones Energéticas, Medioambientales y Tecnológicas (CIEMAT). **ENUSA** is the parent company of the ENUSA Group, jointly with ETSA Global Logistics S.A.U., S.M.E. (ETSA) and Empresa para la Gestión de Residuos Industriales S.A., S.M.E., M.P. Emgrisa,focuses its activities in the nuclear fuel cycle and develops environmental services.

PURPOSE

ENUSA's purpose is to develop innovative nuclear and environmental solutions at a global level, contributing to the sustainable progress of society through the values of Safety, Flexibility, Innovation, Commitment and Collaboration.

ACTIVITIES AND REFERENCES

The nuclear business focuses on activities of the nuclear fuel cycle that are marketed both nationally and internationally and which services consists of:

- Management of the enriched uranium supply to the Spanish nuclear power plants under the criteria of security and flexibility.
- Engineering in all technical aspects of the lifetime of the nuclear fuel, from design and operation in the nuclear power plant up to his tenure as irradiated fuel for transport and dry storage.
- Manufacturing and fuel assemblies to national and foreign nuclear power plants for:

- Pressurized water reactors (PWR), under Westinghouse license.
- Boiling water reactors (BWR) under General Electric license.
- Pressurized water reactors (VVER), in collaboration with Westinghouse.

- Coordination the handling, inspection and repair campaigns that take place during the refueling programs, providing fresh fuel reception and irradiated fuel handling services and supervising the process during the reload (inspection, repair, characterization and cleaning)
- Transport of nuclear and radioactive materials through the subsidiary ETSA.

As part of the nuclear activities, we also develop technological capabilities for the second stage of the fuel cycle and the sale of fresh and irradiated fuel manufacturing and inspection equipment.

The subsidiary Emgrisa is **environmental brand** of the **ENUSA Group** and offers a wide range of services aimed at preserving the environment and ensuring an efficient use of energy.

- Waste treat and management all kinds of (waste):

- Hazardous and non-hazardous industrial waste. Collection, transport and management of hazardous and non-hazardous industrial waste, prioritizing waste reuse and recovery.
- Municipal Solid Waste. Design, construction and operation of MSW recovery facilities with biodrying and accelerated oxidation technology using airflow. Odour free system and no contact with the waste.
- Agricultural, Livestock and Agro-industrial Waste. Plants design for agronomic valorization of digestate and energy (biogas).

- Characterization and treatment of contaminated soils and groundwater. Performance of all kinds of environmental site assessment on soil and groundwater contamination.
- Radiological studies
- Engineering and environmental consultancy.

As a complement to these activities, the environmental area supervises the reclamation of former uranium mining facilities in Saelices el Chico and La Haba, the purpose of which is to try to restore the affected natural space to its original state with environmental and radiological conditions as similar as possible to those existing before the mining operations.

Currently **ENUSA** has three work centers. Two of them are industrial sites: a fuel assembly factory in Juzbado and a center in Saelices el Chico in Ciudad Rodrigo (both of these are in the province of Salamanca). The corporate headquarters are in Madrid. **ENUSA** also manages a solid urban waste plant in Cervera del Maestre (Castellon).

The Juzbado Factory began its activity in 1985 and it manufactures uranium pellets, the assembly of fuel elements and the development of equipment for the manufacture and inspection of PWR, BWR and VVER.

In 2025, **ENUSA Industrias Avanzadas S.A. S.M.E.** manufactured a total of 251.25 tons of uranium equivalent (tUeq), corresponding to 691 fuel elements of three types: 216 elements for boiling water reactors (BWR), 42 elements for VVER-440 reactors and 433 for pressurized water reactors (PWR).

69 % of the fuel elements were exported to nuclear power plants in France, Belgium, and Finland. It is worth noting that in 2025,production of VVER-440 fuel, which had previously been manufactured in Juzbado between 2000 and 2007, resumed.

Once again, the inventory of nuclear material in the factory was verified by the European Union's Euratom agency and the United Nations' International Atomic Energy Agency (IAEA), confirming its compliance with the applicable requirements based on the international commitments acquired by Spain.

EQUIPMENT GOODS

CEN Solutions
Coapsa Control, S.L.
Equipos Nucleares, S.A. S.M.E.
Konecranes
Newtesol, S.L.
Nusim, S.A.U.
Samson Ringo

44-57

Equipment goods manufacturing companies export more than 80% of their output.

CEN SOLUTIONS

Bulevar Agustín Núñez Llano 5
Parque Empresarial MegaPark
41703 Dos Hermanas (Sevilla)
Tel.: +34 955 675 128
E-mail: juan.pereztinao@censolutions.es

Turnover (2025)	120.496.225,45 €
Export figure (2025	80 % of total)
Staff	Around 300 employees

BUSINESS OBJECTIVE

CEN Solutions is dedicated to the design, development and implementation of electrical equipment and integrated solutions in the energy, petrochemical, industrial, aeronautical and water sectors. Its main activity consists of the manufacture of low and medium voltage electrical equipment, modular electrical rooms, energy storage systems and equipment for all types of installations. It also offers services associated with electrical equipment such as retrofitting, modifications and preventive/corrective maintenance of existing equipment.

The manufacture of safety equipment is a key activity within the strategic development of the company, with capacity for the supply of control panels and consoles, auxiliary panels for reactor protection systems, sampling equipment, power centers and distribution switchboards, motor control centers, medium voltage switchgears, isolated phase bus ducts, dry transformers, and power electronics.

It has a workforce of around 200 employees. Its new facilities, located in the Megapark Business Park in Dos Hermanas (Seville), have a total surface area of 40,000 m^2, of which 17,000 m^2 are dedicated to equipment manufacturing processes.

SERVICES, PRODUCTS AND TECHNOLOGY AVAILABLE

To ensure good performance in terms of quality, environment and safety, **CEN Solutions** has management systems in accordance with the requirements of ISO 9001, ISO 14001, PECAL 2120, NQA-1: 1994, 10CRF50 Appendix B, UNE 73401: 1995, ANSI Standards and ASME Codes, which are periodically audited allowing the homologation and accreditation as a supplier of Nuclear Safety equipment (Class 1E) at national and international level.

The use of the most advanced manufacturing processes and technology, including qualification tests in accordance with the applicable regulations in each case (IEC, IEEE) and compliance with the strictest requirements of control and quality assurance, allow us to offer the most appropriate equipment and assemblies that, in compliance with current standards and satisfaction of the customer needs.
We also have our own capacities for commercial dedication of electrical components, performed for the components of the products we manufacture or spare parts required by the different Nuclear Power Plants.

CEN Solutions maintains a highly specialized technical team and the qualifications required for the nuclear sector, which have allowed it to continue offering uninterrupted global solutions for the supply of safety and commercial equipment from the beginning of the industry.

The permanent contact with the most specialized companies in the nuclear field, makes **CEN Solutions** aware of the new technological advances and can be present in the nuclear power plants in Spain and abroad.

NATIONAL AND INTERNATIONAL OUTSTANDING ACTIVITIES

Among the most recent references for the nuclear sector are the following work and supplies:

NATIONAL NUCLEAR POWER PLANTS

- Supply of spare parts (Motor Control Center drawers, auxiliary material) (Almaraz NPP, Trillo NPP, Ascó NPP and Vandellós II NPP).
- Supply of 6.3 kV switchgears, transformation centers and MCC, train A, B and N for EJ project (Vandellós II NPP).
- Provision of labor for main site and control room works (Almaraz NPP).
- Supply of power centers and CCM for power increase (Almaraz NPP).

- Supply additional column CF 2B1A (Almaraz NPP).
- Design, manufacture and assembly of modular electric room for TC cooling towers system (Almaraz NPP).
- Design, manufacture and assembly of modular electric room for water treatment (Almaraz NPP).
- Supply of 20 kV and 6.3 kV switchgears, Teva project transformation center (Almaraz NPP).
- Recharge 10 kV low voltage busbar review service (R432). CN Trillo.
- Replacement of Metron Recharge (R432) .CN Trillo switches.
- GZ40J001 control panel. CN Trillo.
- Supply of spare material for CC.NN. in Spain.
- Execution of design modifications for both electricity and instrumentation and control for the plant improvements, among which it is worth highlighting recently those related to the increase in power, TEVA refrigeration project, Change of the public address system and cooling towers (CN Almaraz I and II).
- Execution of Alternative Shutdown Panels and Centralization Switchboards (Almaraz NPP).
- Execution of electrical design modifications of various systems (Trillo NPP).

INTERNATIONAL NUCLEAR POWER PLANTS

ABWR by GE Hitachi

- Main Control Room Panels and Remote Shutdown Panels (Simulator, Units 1 and 2).
- FMCRD relay logic panels and self-firing solenoid fuse panels (units 1 and 2).
- HCU self-test panels (units 1 and 2).
- Systems of sampling and analysis of liquids of secondary systems.
- Meteorological control panels.
- NUMAC panels: NMS panels, optical fiber panels, ATIP & MRBM panels, PRM panels, RTIF panels (units 1 and 2).
- Provision of labor for review in plant and control room.
- Review of bars of 10 kV and low voltage and Metron switch replacement during recharges (2018-2022) for CN Trillo.
- Recalification of NC motor control center drawers. Ascó NPP.
- Retrofit of low voltaje breakers in 1E and NC DC busbars. Cofrentes NPP.
- Sustitution of low voltaje breakers in DC busbars. Cofrentes NPP.
- Supply of 1E replacement material. Trillo NPP.

China Nuclear Power Engineering & China Techenergy Co. LTD.

- Main Control Room Panels and Remote Shutdown Panels for Fuqing NPP (Simulator, units 1 and 2).
- Main Control Room Panels and Remote Shutdown Panels for Fangjiashan NPP (Simulator, 1 and 2).
- Main Control Room Panels and Remote Shutdown Panels for Hainan NPP (Simulator, units 1 and 2).
- Provision of labor for supervision and modifications in the Fuquing and Fangjianshang NPPs.
- Instrumentation for the main control rooms for Hongyanhe NPP 5 & 6.

Nuclear Fusion Technology

- Desigh and supply of the Safety Control System - Nuclear (SCS-N) for Iter.
- Supply of switchboards for signal adaptation for TCWS (Tokamak Cooling Water System)

COAPSA CONTROL, S.L.

Polígono industrial Can Mir
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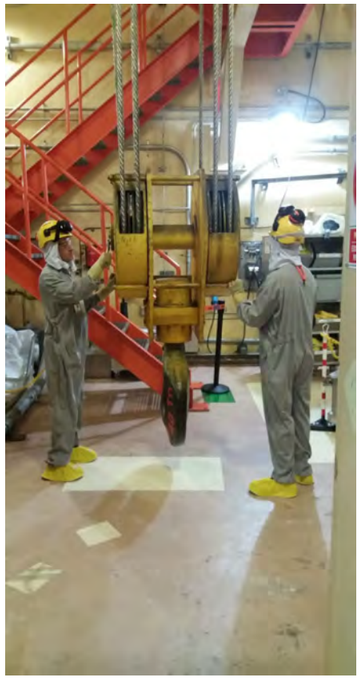
E-mail: coapsa@coapsa.com

Estimated turnover 2026	4,4 million €
% volume of sales that comes from the nuclear sector	50 %
Staff	30 employees
Bachelor's degree	12
Specialised operators	16
Other personnel	2



Coapsa is consolidated as a company of reference handling of heavy loads in the nuclear market.

The objective of **Coapsa**, which was set up in 1997, is to offer our clients the most complete service, addressing problems globally from design to turnkey delivery and even anticipating us to them.

Thanks to our team, the company has achieved continuous growth in the sectors in which we carry out our activity, among others in the fields of industrial automation, equipment goods and in the nuclear industry.

To achieve the growth that they have reached, they have based their work on three key principles:

• Offering quality and good service in every work we do.

• Counting on a professional and highly trained human team capable of offering quick solutions to any possible problems that may appear on the development of each project.

• Adapting to the new technologies that appear on the market, integrating them on the equipments supplied to our customers.

BUSINESS OBJECTIVE

Since our very beginning **Coapsa** has had the ability to carry out the design, assembly, installation and start-up, in addition to the compliance with all the applicable quality assurance requirements as regards the control and automation of industrial processes and systems.

From the very beginning, the orientation within the sector has traditionally been towards control systems for lifting and handling equipment of heavy and special loads, among others, high precision heavy duty gantry cranes: polar and turbine cranes... and for nuclear fuel handling systems: refueling machines, manipulators, gantry cranes for the handling of spent fuel casks, etc.

At present we have experience in the qualification of the Single Fault Criterion applied to gantry cranes (Nureg-0554 and Nureg-0612) and in the design, manufacturing and assembly of equipment with environmental seismic qualification 1E.

In addition, we have consolidated experience on the port and harbor machinery markets, for the handling of containers and merchandise, as well as on the equipment for other industrial processes in general: MDD's Low Voltage Distribution Centers, control systems and monitoring of industrial processes, remote control systems for the handling of devices on underground rail networks, etc.

Coapsa's objective is to extend and improve the services we offer on our consolidated market, for which we are improving and extending all our human and material resources in order to bring them into line at all times with the quality and service required by the type of work we perform.

SERVICES, PRODUCTS AND TECHNOLOGY AVAILABLE

ENGINEERING

We offer a complete integrated service adjusted to the client needs, supported by our qualified personnel and our experience.

• Wide experience in the design of conceptual, basic and in detail engineering.

• The use of the principal technologies makes us to be able to give the best solution and assure the total integration of our client's facilities.

• Economical and technical viability studies.

• Planning and monitoring.

• Comprehensive automation projects of industrial processes.

• Automation and improvement of existing processes.

• Migration of control systems, PLC's and industrial communication from the main manufacturers.

• SCADA systems programming including prescriptions, reports, control charts, etc.

• Electronic design using the most avant-grade tools from the market (E-plan, Autocad, etc.).

MANUFACTURING

We are manufacturers of electrical equipment, low voltage distribution equipment, regulation equipment, Motor Control Centers, etc. applying the latest technologies existing on the market.

• Distribution and Power equipment.

• Automation and Control equipment.

• Motor Control Center with fixed and removable execution.

• Intelligent Motor Control Center. We offer solutions to any kind of industrial installation, adapting to any requirement of the sector and client.

• Supervision and Control Systems (SCADA) and Distributed Control Systems (DCS).

• Desks, consoles and conventional control ergo seat and by radio-control.

• Supply and installation of weighing systems for cranes.

• HVAC systems.

SERVICES ON PLANT

Our qualified technical team offers corrective maintenance service, preventive maintenance, repairs, start-up in the client facilities, adapting us to the client's needs and requirements.

We offer our clients all kind of services in plant:

• Supervision of the assembly in plant.

• Execution of SAT tests and put into service.

• Preventive, predictive and corrective maintenance works in equipments.

• Diagnosis and solution to breakdowns.

• Modification on existing equipments.

• Modernization of equipments (Retrofitting).

• Training for the maintenance personnel.

• Post sales service.

ACTIVITIES AND REFERENCES

Coapsa has become an essential reference in the nuclear field, that is why most of Spain's power plants and their service companies trust Coapsa as a provider of goods and services.

Works on nuclear field

• Trillo NPP: Completely remodelling 404TN gantry crane in the turbine hall and undertaking a series of improvements to the polar crane. There is constant support work throughout the year, especially during recharge times.

• José Cabrera NPP: Complete reformation of the Omega gantry crane in the containment building in order to meet the requirements established for the handling of the spent fuel casks.

• Vandellós NPP: Manufacturing of the local command cabinets for the new essential services water cold source. Continuous maintenance and enhancement work on the plant gantry and fuel handling cranes at the plant.

• Ascó NPP: Installation of two new 115TN carriages and integral reformation of the bridge cranes at the fuel buildings in order to reach compliance to the Nureg-0554 regulation for spent fuel cask handling. Installation of a radio control system for polar crane handling. Continuous maintenance and support work.

• Almaraz NPP: Adaptation to the Nureg-0554 and Nureg-0612 Appencix C standards of the two bridge cranes located at the fuel handling building.

• Almaraz NPP: Study, design, materials supply and instalation of the renovation and adaptation of the control of the crane ATRX, GVX-AR

• Almaraz NPP: Study, design, materials supply and instalation of the renovation and adaptation of the control of the crane ATRX, GVX-AR

• Laguna Verde NPP (Mexico): Manufacturing and installation of a new 7,5TN Radioactive waste crane.

• Santa Maria de Garoña NPP: Amedment of the bridge crane from the reactor building adapting it to the Nureg-0554 and Nureg-0612 Appendix C standards, "Heavy Loads Control" and "Single Failure Proof Crane".

• Equipment control system design for the manipulator machine "Second Skip Handler Machine"

EQUIPOS NUCLEARES, S.A., S.M.E. (ENSA)

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39600 Maliaño (Cantabria)
Tel.: +34 942 200 101
E-mail: commercial@ensa.es

Founded in	1973
Turnover (2025)	78.91 million €
Exports Average	31 % of sales
Staff	557 employees
Specialized operators	244 or 50 %
Average age	44 years

Equipos Nucleares, S.A., S.M.E. (ENSA) with more than five decades of industrial experience, the company entered 2025 with the goal of strengthening its technical leadership and international presence. The year was marked by the new construction in conventional technologies, the progress in Small Modular Reactors (SMRs), and the development of fusion initiatives. This context created opportunities across different regions and reinforced the need for suppliers with integrated capabilities in design, engineering, procurement, manufacturing, testing, and inspection. **ENSA** has this complete value chain, supported by a workshop equipped for large components and by an Advanced Technology Center dedicated to developing manufacturing and inspection techniques, with accredited laboratories specializing in testing and metrology. **ENSA** formalized and launched contracts and orders with high technological content that reinforce its multi-system character. The company specializes in major nuclear equipment (vessels and heads, steam generators, pressurizers, primary circuit piping, and heat exchangers) and in fuel cycle solutions (transport and storage casks, spent fuel racks), with proprietary designs of international reference such as ENUN 32P, ENUN 52B, and ENUN 24P. Its equipment operates —by meeting international standards and requirements —in around one hundred nuclear power plants of multiple designs, demonstrating cross-cutting experience and a basis of lessons learned that feed back into each project.

FUEL MANAGEMENT IN SPAIN

ENSA maintains its position as the national benchmark in spent fuel cask-loading operations. To date, it has carried out 100 % of all loads performed in Spain and has accumulated more than 140 loaded casks. The combination of operational experience and knowledge as a designer and manufacturer of casks and racks makes it possible to incorporate lessons learned into each new intervention.

NEW PROJECTS WITH CONVENTIONAL TECHNOLOGIES

The company advanced on highly critical equipment and early-stage engineering services, as well as welding qualifications for newly built programs. Equipment and subassemblies were completed and delivered, and engineering progress was made on work linked to critical supplies. The active portfolio includes large-scale equipment and engineering orders that, if executed according to each client's milestones, could extend the initiatives beyond 2035.

The company is also moving forward with the manufacture of several steam generators that will replace those currently in service in the French nuclear fleet, a project now in its final production phase. Likewise, the company continues to participate in the UK's new-build plants Hinkley Point C and Sizewell C. For the former, pressurizers, support rings, and tanks have already been delivered, while equivalent equipment is being produced for Sizewell C.

SMR TECHONOLOGY

One of the key milestones of the year was the award of the bid to manufacture the head of the first Natrium™ reactor, a technology developed by TerraPower. This component plays a critical role, as it must ensure the proper sealing of the reactor while accommodating the various piping and equipment that pass through its structure. These systems operate under highly demanding conditions, including extreme temperatures, radiation exposure, and significant mechanical stresses. Manufacturing this component requires exceptionally tight tolerances, high-integrity welding processes, advanced non-destructive examination techniques, and rigorous document control to guarantee full traceability throughout the production process. The commercial process began in 2023, and the contract was finalized in December 2025.

VALUES

ENSA operates under a management safety and quality certified system aligned with nuclear industry standards and a rigorous compliance framework. The company holds national and international certifications that validate its way of working. This technical performance is integrated with a corporate purpose focused on promoting a safe and clean industry. **ENSA**'s competitiveness relies on a qualified team and on continuous training programs, with initiatives such as **ENSAcademy** to support the onboarding and training of new generations, adapted to the technical requirements of the nuclear industry.

LOOKING FORWARD TO 2026

The year 2026 begins with a particularly dynamic international landscape in the nuclear sector, marked by a significant increase in opportunities that are expected to materialize throughout the year.

The global energy context has reactivated nuclear programs in several countries. To conventional reactor projects are now added SMRs, which thanks to more contained costs and tighter construction and return schedules are gaining weight in the energy planning of multiple markets. **ENSA** is already collaborating with several entities on feasibility studies and expects to expand these partnerships during 2026. At the same time, the company continues to advance its own R&D&I project focused on developing technology for nuclear decommissioning. This program, launched several years ago, is making steady progress with the aim of delivering a mature solution suitable for both the Spanish market and international projects.

The priority will be to execute ongoing commitments with excellence, with special attention to the investment program and the advanced Natrium™ reactor head project and the modular programs in which **ENSA** participates. The company will continue combining design, engineering, manufacturing, inspection, and field services; will strengthen knowledge transfer from its Advanced Technology Center; and will continue promoting internal training and talent-attraction programs. The goal is to maintain safety, quality and ensure on-time delivery as the core of its value proposition, contributing to a rigorous and balanced perception of the nuclear sector and supporting the energy transition with industrial solutions of high technical content.

KONECRANES

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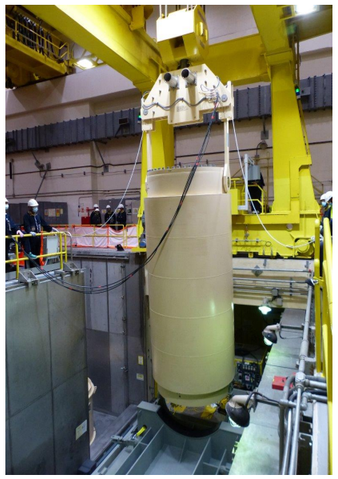
Net sales	4,187.8 million €
EBITA	14 %
Locations	More than 600
Countries network	More than 50
Staff	16,800



Konecranes is a world-leading group of Lifting Businesses™, serving a broad range of customers, including manufacturing and process industries, shipyards, power plants, ports, and terminals. Regardless of your lifting needs, **Konecranes** is committed to providing you with lifting equipment and services that increase the value and effectiveness of your business.

With over 50 years of experience in the nuclear industry and as a member of ASME B30 and NOG-1 committees that sets the standards for the design of lifting equipment in nuclear facilities, **Konecranes** can expertly provide all equipment, services, and equipment upgrades. handling of nuclear materials around the world. Thanks to its technical service network spread over more than 50 countries, it can service equipment from any manufacturer within nuclear power plants, fuel processing facilities and nuclear waste storage facilities, including safety-related lifting equipment plus review.

EQUIPMENT

Cask handling crane

These specialized cranes utilize **Konecranes** latest generation of SUPERSAFE™ single failure proof technology to move nuclear spent fuel safely and efficiently.

Our continuous research and development program employs the latest cutting-edge technology, while maintaining a core technology that is based on time-proven nuclear designs. **Konecranes** engineers understand the complexity of nuclear cask handling, and the importance of coordinating precision operation, safety, and reliability.

Cask Transporters

The latest generation of **Konecranes** spent fuel nuclear cask transporters are designed to handle most nuclear dry storage casks safely and efficiently. Our Single Failure Proof transporters are available in both rubber tire and track-driven designs capable of handling up to 350 tons and offer the smallest possible turning radius, including full rotational capability, and are designed to ASME NOG-1 requirements. They can be easily shipped to locations worldwide in standard shipping containers and are specially designed for simple assembly in the field in just one day.

Fuel Handling Equipment

Konecranes nuclear fuel handling equipment utilizes SUPERSAFE™ single failure proof technology, which is designed to comply with stringent worldwide nuclear regulatory requirements. Key safety and diagnostic systems continuously monitor equipment operation, which is displayed to the operator in real-time graphics.

Nuclear Polar Cranes

Our latest evolution of polar cranes utilizes a multipurpose design that maximizes operational capability by combining numerous lifting features into a single compact and weight-efficient trolley. The design improves productivity and reliability by providing four primary lifting systems including a main hoist, auxiliary hoist, maintenance jib crane, and containment inspection man lift, all conveniently located on one trolley. The polar crane main and auxiliary hoists can be provided with a single failure proof or non-single failure proof design.

Hevi Lift® Hoists

The Hevi-lift hoist has a history over 80 years and is widely used in the nuclear industry. It is known for its long life, quiet operation, superior strength, and quality.

The Hevi-lift hoist makes a perfect choice for nuclear containment as it is made of materials suitable for all reactor types. Hevi-lift hoists are manufactured with a minimum amount of deleterious materials, such as aluminium and zinc. The Hevi-lift hoist is also available as a NUREG-0554 compliant single-failure-proof model.

SERVICE

Konecranes is uniquely qualified as a provider of service and parts to the nuclear industry. A distinct advantage we offer our customers is the ability to provide service on a worldwide basis.

With 600 locations worldwide, we can provide a response that is fast and efficient. Whether you need outage support, routine maintenance, engineering support, or anything in between, we have people you can rely on.

The ability to complete modernizations and supply parts to the nuclear industry requires compliance with stringent regulatory and quality requirements. We have the capability to provide parts and service in compliance with these standards with our audited and approved nuclear quality control program. As a global company, **Konecranes** can help you stay compliant with local requirements with the combination of industry experts and localized know-how.

Our parts are supported by ISO 9001 certified manufacturing that employs KTA-1401 and ISO 9001 quality control programs, a seasoned nuclear engineering group, warehouse, and distribution facilities as well as critical-mass purchasing power

Modernizations

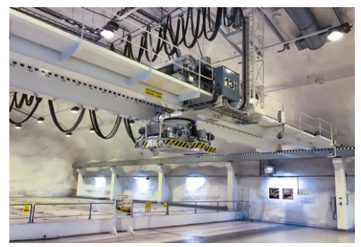
We have completed many modernizations at nuclear power generation facilities and our technicians routinely modernize both our own and other manufacturers' equipment.

Modernizations can include:

- Single failure proof upgrades
- Crane and runway capacity upgrades
- Duty-cycle studies
- Planned engineered lifts
- Diagnosis and solutions for tracking problems, abnormal rail/wheel wear and fatigue cracks
- Control Upgrades – Variable frequency, static stepless or DC-Digital
- Integrate load cells/weight systems

RECENT REFERENCES

- IDOM - C&E Architecture
- Areva – Diesel Generator Cranes
- Sellafield – Warehouse Crane
- Heysham 1 – Gas Circulator Maintenance Crane
- OKG AB, Oskarshamn 3 NPP - 165T Reactor Hall Crane, SFP Trolley and Controls Replacement
- Ontario Power Generation (OPG) Pickering - Cask Handling and Processing Crane Upgrades
- Southern Nuclear Operating Company – Vogtle, 2 x Polar Crane Upgrades
- Constellation Energy Byron 1 & Byron 2 - Turbine Room Cranes Upgrade for Tandem Operation
- TerraPower Natrium - customized 125-ton hoist crane, including a 15-ton auxiliary hoist and a top-running overhead crane with dual trolleys.



NEWTESOL S.L.

CA - 141. km 2,5 - Nave Sur 2
39792 Gajano (Cantabria) - SPAIN
Tel.: +34 942 503 009
E-mail: sales@newtesol.com

Turnover (2025)	14 million €
Exports	88 % of sales
Staff	73 employees
Specialized operators	100 % (31 % Engineers)
Average	35 years

NEWTESOL S.L. started operating with the aim to support Spanish nuclear civil program demands. The company headquarters is located in Santander (north of Spain) and brings decades of experience in welded manufacturing and Weld overlay.

Since its foundation, **Newtesol** has invested both in technological innovation and human capital, which has allowed the organization to provide high added value solutions to its customers and to be positioned as an international benchmark in the welding industry.

OUR TECHNOLOGY

Newtesol is committed to technology and continuous improvement as the right path to reach the operational excellence.

With the aim of improving the quality of the weld overlay in the nuclear industry while ensuring competitiveness in the market, the company has developed a fully automated TIG/GTAW welding process pushed to its theoretical and technical limits. This technology ensures high productivity and efficiency in the process and deposition rates that allow it to compete economically with other processes, such as submerged arc welding (SAW), while providing much higher levels of quality in its products.

The company has currently the latest welding technology and continues to develop new prototypes to face the upcoming challenges in the industry. Besides its internal developments, which are part of its added and differential value in the industry, **Newtesol** continuously develops new welding technology in partnership with the leading machine manufactures in the market, or with the University and its research centers.

Industry 4.0

Newtesol is committed to information technologies and the power of data as the only way to face the new demands in the industry in an increasingly competitive market.

The company has developed a data acquisition system in its welding machines and personnel presence monitoring in their facilities. This system allows to analyze parameters and automate works to ensure the optimization of the production in real time.

PRODUCTS

Newtesol has extensive experience in the manufacture of all types of nuclear components up to 50 Tm. The scope of production includes the following products:

- Steam generator internals, such as cyclones, rings, supports or complete swirl vane separators.
- Spent fuel rack components
- Radioactive waste containers
- Tanks and pressure vessels
- Heat exchangers
- Weld overlay on tubesheets and other special parts
- And much more (covers, valves ...)

Since its foundation, the company has increased its product portfolio, being currently an international reference in weld overly for the Oil & Gas onshore and offshore-subsea, as well as a key player for the defense industry in the manufacture of critical submarine parts.

OBSESSED WITH QUALITY

Newtesol is committed to quality both in the project management and in the final product as a key factor of its organization. The company promotes a corporate culture of "zero defects".

Certifications and codes

- ISO 19443
- ASME Nuclear Quality Assurance (NQA-1)
- ASME III NCA-3800
- ASME III Design and manufacturing
- Sello U, ASME VIII Div.1
- Sello U2, ASME VIII Div. 2
- Sello NPT, ASME III Div. 1
- RCCM, Quality level Q1
- DIN-EN 729-2 UNE EN-3834
- 10 CFR 50 App B y 10CFR21
- ISO 9001
- ISO 14001

SERVICES

The high qualification of its professionals together with their extensive experience in the industry, ensures the optimal service for the customers in the different phases and project areas:

Technical advice

Technical resolution of the most complex projects with the strictest quality requirements.

Design

Extensive experience in equipment design under ASME III, ASME VIII Div.1 and Div.2 standards.

Purchasing and material upgrade

The company provides a large network of contacts for the purchase of the most specific material. In addition, **Newtesol** is certified for material upgrading to ASME III for in-house manufacturing under ASME III NCA-380.

Document management

The proper issuance of the project documentation is one of the keys to ensure the quality of the final product. The company places a high value in the detailed planning and management of all the project documents by an expert and dedicated team.

INTERNATIONAL RECOGNITION

In addition to the projects focused on the maintenance of the Spanish nuclear power plants, **Newtesol** has extensive experience in various international projects for nuclear power plants in countries such as United States, Finland, France, Slovenia, the United Kingdom, Taiwan and China, among others. Moreover, the company is a key fabricator for the most innovative projects in the nuclear industry, such as the ITER fusion experiment.

As a result of this experience, **Newtesol** is recognized internationally and by the main nuclear organizations, such as the "World Nuclear Exhibition", where it has been awarded the prize for "Operational Excellence".

NUSIM, S.A.U.

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Tel.: +34 954 932 447
E-mail: ingenieria@nusim.com

Founded in	1980
Exports	50 %
Sales that comes from the nuclear and radwaste sector	70 %
Master Degree Engineers	70 %

Radioactive waste sorting plant for South African Nuclear Energy Corporation

NUSIM, S.A., was founded in 1980 to provide technological solutions for different application fields, such as Nuclear, Health Care, Research, Construction and Prevention.

Nowadays, **NUSIM** consists of three divisions: Radioactive Waste Treatment, Radiation Protection and Automation, all supported by their corresponding Maintenance Areas.

These divisions provide high quality products and services to a wide range of clients, including Nuclear Power Plants, Official Organizations (ENRESA, CIEMAT), Hospitals, Universities, National Laboratories, and other specialized industries.

NUSIM has a Quality Assurance system in accordance with the requirements of the UNE 73401:95, UNE 73402:95, UNE-EN ISO 19443:2022, ISO 9001:2015, 14001:2015, and radioactive national nuclear industry certifications GES and regulator certification ENRESA.

SERVICES, PRODUCTS AND TECHNOLOGY AVAILABLE

RADWASTE TREATMENT DIVISION

The Radioactive Waste Division, with over 35 years of experience working with all the Nuclear Power Plants in Spain, carrying out the Engineering, Manufacturing, Commissioning, Operation and Maintenance of equipment for treatment, handling and transport of Radioactive Waste.

NUSIM has developed a significant number of equipment that are being used today in all the Spanish Nuclear Power Plants in operation or decommissioning and in the Official Spanish Agencies and disposal, like ENRESA (El Cabril) or research centers like CIEMAT.

NUSIM is also internationally present with equipments in main nuclear sites like Laguna Verde NPP (Mexico), Kozloduy NPP (Bulgaria), Karachi NPP (Pakistan), Chernobyl NPP (Ukraine), Atucha NPP (Argentina), the NORM waste treatment plant (Abu Dhabi), Ondraf-Niras IPM in Belgium or the South Africa Nuclear Corporation facilities in Pelindaba.

All the equipment developed by the Division are manufactured on the basis of own technology. The proposed solutions have been developed to meet the most demanding requirements, giving reliability and robustness, which is highly valued within the Nuclear Sector.

The products range covers the hole cycle of the Radwaste from cradle to grave.

Equipment catalogue features:

Handling Devices of Drums, HICs, Containers and special Handling with filling, capping, or nesting process.

Inspection Equipment

- X-Ray Drums Inspection.
- Sampling systems.
- Latency reactor Inspection equipment.

Radiological Characterization for radwaste packages (drums or containers) with accessories for capping, surface contamination test etc.

Processing Equipment for recovery and reconditioning Plant for Historical Wastes.

Volume Reduction Equipment

- Microwave drying systems for sludge or evaporator concentrates.
- Heating resistors drying systems for miscellaneous waste.
- Pre-compacting equipment.
- HEPA filters Compactor

Grouting and cementation systems

- In situ Mixing System or premixed systems.
- Modular Blocking System, skid or ISO container mounted systems.
- Continuous or batching Mixers with cleaning system.
- Secondary waste recovery systems.

Cleaning and Decontamination Equipment for drums or containers in fully enclosed cabinet, on conveying line or in glove box.

Transport Equipment ADR (American Depositary Receipt)
Vehicles and packaging ADR for radwaste land/air transportation.

Decommissioning equipment and Systems. Cutting, confining handling, water treatment, processing.

Waste recovery. Extraction cut and decontamination of tubular bundles of heat exchangesrs.

NORM radwaste facilities with integral solution for processing, drum filling capping, nesting, cementation and grouting.

RADIOLOGICAL PROTECTION DIVISION

Since its creation, **NUSIM** has distributed in Spain equipment for contamination measurement, spectrometry systems, dosimetry systems and equipment, and electronic components for the detection and measurement of ionizing radiation. Maintaining exclusivity agreements with leading companies such as ORTEC (AMETEK), Mirion Technologies – Canberra and others.

This Division is not only in charge of distribution, but also of assembly and on-site commissioning to products for Nuclear Power Plants, Research Centers, Universities, etc. undertaking the subsequent maintenance to ensure proper functioning.

The catalogue features the following equipment:

- Radiation Dosimeters.
- Spectrometry Alfa and Gamma.
- Contamination Monitors equipments/ clothing.
- Personal Contamination Monitors.
- Radiometer/ Radiation Meters.
- Portal monitors for trucks/vehicles.
- Nal y LaBr3 detectors.

NUSIM has got the representative in Spain for the MANUELA™ Portable, autonomous and easy-to-use system for real-time 3D radiological mapping. This system provides a high added value for maintenance and decommissioning of radioactive installations.

AUTOMATION DIVISION

Carries out the study, the planning and the integrated global solutions for the automation systems covering the design, development, assembly and commissioning in all type of industry installations.

NUSIM carries out the PLC's and SCADAS programming of the main manufacturers in the market. NUSIM is recognized integrator of Rockwell Automation even though also have tools and knowledge of the software of the main brand in remaining market shares such as Siemens, Schneider, Omron, ABB, etc.

NUSIM integrates complete automatic systems, both hardware and/or software from different manufacturers, interconnecting business systems (ERPs, Information Servers, etc.) with the manufacturing (Solutions MES).

OUTSTANDING NATIONAL AND INTERNATIONAL ACTIVITIES

RADWASTE TREATMENT DIVISION

Between main references, the major projects are the following:

- Cutting cabinet, compactor and liquid waste evaporator for the dismantling of steam generators at Almaraz N.P.P.
- CMT autonomous gripper for handling metal containers for Almaraz N.P.P.
- Microwave dryung equipment for Ascó N.P.P.
- Radioactive waste X-ray inspection and sorting plant for South African Nuclear Energy Corporation
- Evaporator concentrates microwave drying for Gösgen NPP (KKG)
- E-elbow repair working platform (Westinghouse Electrique France)
- Piping Descaling Chamber for Oil & Gas
- Container handling, nesting and capping equipment for the New Safe Confinement in the Chernobyl N.P.P., Ukraine (TAIM WEISER)
- Stabilization and Solidification plant for NORM ashes. ADNOC Abu Dhabi National Oil Company (TAKREER)
- ISO container SAS confinement with control room for the José Cabrera N.P.P. reactor vessel lid cutting.
- Drums and HIC handling and compaction equipment for Laguna Verde N.P.P. (Mexico).
- Reprocessing Plant for Historical Waste, for the Santa María de Garoña N.P.P.
- In drum Microwave Drying Facility, for Ascó and Cofrentes N.P.P.
- Equipment for Casting Collection and Cooling for a Plasma Oven Facility for Kozloduy N.P.P. (Bulgaria)
- Miscellaneous drum drying facility by heating resistors for Asian N.P.P.
- 7 Handling equipment for IPM de Ondraf-Niras in Belgium, up to 40Tn load capacity.
- In addition, drum and container handling devices, waste solidification plants, package radiological characterization systems, compactors, etc, are in operation in all the Spanish nuclear emplacements.
- **NUSIM** has developed new equipment for tilting of drums, automatic manipulators for forklifts, in-drum precompaction with recoverable sleeve, radiological inspection system of roads all with the new technology of augmented reality.

RADIOLOGICAL PROTECTION DIVISION

Main supplies during recent years:

- Personal contamination portals: Mirion Technologies with proportional and scintillation detectors in. Trillo, Almaraz, Ascó, Vandellós II, Cofrentes and Santa María de Garoña NPP.
- Mirion TLD dosimetric readers and TLD dosimetry system for Almaraz and Trillo NPP, CLP and the Dosimetry Centre of Barcelona.
- DLD dosimetric readers for Firefighters of the Community of Madrid.
- ORTEC Gamma and Alpha spectrometry systems for the Universities of Valencia, Cáceres, Basque Country, Barcelona, Madrid, Enusa, Generalitat de Cataluña and CIEMAT.

In-drum compactor for Cofrentes NP

SAMSON RINGO

Polígono Industrial Empresarium
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Tel.: +34 976 454 940
E-mail: ringo@ringospain.com

Turnover average	47 million €
% of sales related to nuclear products	37 %
% of sales related to nuclear products in the Spanish market	14 %
Employees	145 employees
Graduates and highly qualified echnical staff	65 %
Specialist operators	20 %
Administrative personnel	15 %

Samson Ringo is a leading manufacturer in the nuclear sector, specializing in high-performance valves and spare parts for nuclear power plants. Our expertise and commitment to quality allow us to provide reliable solutions for both the nuclear island and the balance of plant, covering ON/OFF and control services.

Samson Ringo celebrated its 25th anniversary in 2025, with a consolidated track record in the manufacture of valves up to CN1 nuclear class. We have an installed base in over 50 nuclear plants across 24 countries in Europe, America, Asia, and Africa, including Spain, Sweden, Finland, Switzerland, Belgium, the United Kingdom, Russia, Belarus, Ukraine, Bulgaria, Slovakia, Slovenia, Romania, South Africa, China, India, Bangladesh, Taiwan, Mexico, Argentina, Brazil, Canada, and the United States.

Thanks to a highly experienced team and state-of-the-art facilities, **Samson Ringo** ensures the highest standards of quality, safety, and reliability in all our supplies.

BUSINESS OBJECTIVE

The objective of **Samson Ringo** is to meet the demands of the nuclear industry, ensuring the supply of valves and spare parts with the highest standards of quality and reliability. The new production facilities inaugurated in 2025 have doubled our manufacturing capacity and fully segregated nuclear production from conventional, further strengthening our quality and nuclear safety standards.

Our supply experience and technical references have established us as a trusted provider in international markets, actively participating in high-demand projects in Europe, North America, and Asia.

SERVICES, PRODUCTS AND TECHNOLOGY AVAILABLE

Samson Ringo manufactures nuclear-class and non-nuclear valves, in accordance with design codes ASME III, NB, NC, ND, AD-Merkblatter, and RCC-M.

Scope of production:
- ON/OFF valves: Gate, globe, bellows-sealed globe, check, butterfly, ball, and diaphragm
- Control valves: Globe guided by cage, ball, butterfly, and axial
- Special valves: Bellows-sealed zero-leak valves, testable and assisted check valves, diaphragm valves

Applications:
- Main steam isolation and main steam bypass
- Feedwater and pressurizer spray
- Pressurizer relief and turbine bypass
- Turbine extraction and MOV for critical services

Certifications and quality:
- ISO 9001:2015
- Pressure equipment manufacturing certification under EU Directive 2014/68/EU
- ASME III N & NPT stamp and ASME Material Organization approval
- Environmental management ISO 14001, safety ISO 45001, and social responsibility SA8000

Design tools and technology:
- Advanced 2D and 3D software for structural, fluid dynamic, and acoustic calculations
- Guarantees suitability for control valves in critical services

HIGHLIGHTS OF 2025

- 25th anniversary of the company
- Inauguration of new facilities that double manufacturing capacity and segregate nuclear production
- Maintenance of presence in historical markets: Spain, Sweden, Finland, and North America
- Strengthened presence in Ukraine with new CN2 motorized control valve contracts for Rivne Nuclear Plant
- Completed major supplies:
  - 84" motorized butterfly valves for Bruce Power (Canada)
  - DN600 motorized gate valves for Kozloduy (Bulgaria)
  - Feedwater isolation gate valves for VC Summer (USA), with qualification scheduled for early 2026
- Progress in EPR reactor contracts and participation in SMR projects
- Ongoing training programs and reinforcement of nuclear safety culture

OUTLOOK FOR 2026 AND FUTURE

- Obtain ISO 19443 certification
- Complete the ASME survey scheduled for Q3 2026
- Consolidate participation in new construction projects, especially EPR and SMR reactors
- Active role in life extension of existing plants and new nuclear developments worldwide
- Increase productivity while maintaining the highest standards of quality, safety, and compliance

ENGINEERING AND SERVICES

Amphos 21
EAG (Empresarios Agrupados - GHESA)
Eulen - Proinsa
Enwesa Operaciones, S.A.
GD Energy Services
IDOM Consulting, Engineering, Architecture, S.A.U.
Ingecid, S.L.
Marsein
NFOQUE Advisory Services, S.L. (NFQ)
Tamoin, S.L.U.
VIRLAB, Expertise in Vibrations and shocks. Testing Laboratory

60-81

The Spanish engineering and services companies have and continue to be engaged in nuclear projects across more than 40 countries.

AMPHOS 21

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E-mail: amphos21@amphos21.com

Amphos 21 Group S.L.
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28027 Madrid
Tel.: +34 911 235 562

Founded in	1994, since 2020 integrated within RSK Group Limited
Annual revenue	40+ millions € Amphos 21 group (8.1 millions € in Spain)
% of international activity (Business in Spain	78 % of the global turnover; 90 % of the nuclear turnover.
Total staff	491 employees
Companies of the Amphos 21 Group	Spain (founded 1994); Chile (founded in 2009) and Peru (founded in 2012)
% senior graduates	54 %
% PhDs in Science and Engineering	35 % in the group; 50 % in nuclear

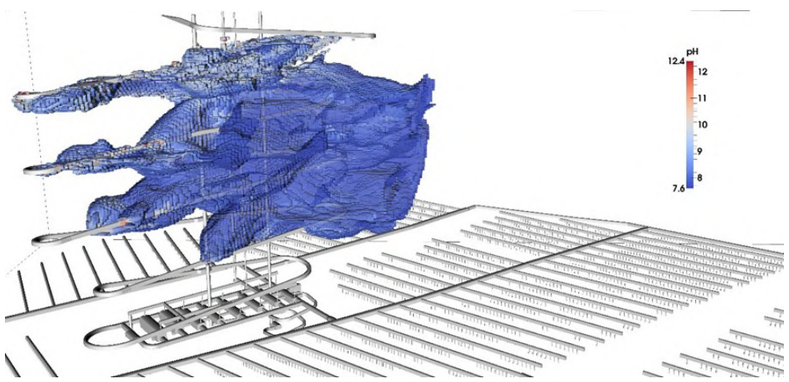
Amphos 21 representatives visiting Belgoprocess

Summary of the most significant events in 2025

The year 2025 has once again proven to be an exceptional period for **Amphos 21** in the field of specialized consultancy for nuclear waste management. For the fifth consecutive year, we have reached a new contracting record, reflecting both the sustained growth of the sector and the trust placed in us by major national and international agencies. This momentum has been further strengthened by the expansion of our Madrid offices, inaugurated the previous year, which now include a technological laboratory designed to provide advanced engineering solutions to our clients and which has become a strategic hub for our services in Europe.

In this context of expansion, our activity across the European continent has been particularly intense, with large-scale projects for organizations such as Enresa in Spain, Andra in France, Ondraf/Niras in Belgium, SKB in Sweden, and Posiva in Finland, among others. Progress in deep geological disposal has been one of the pillars of our work — an area in which we have been contributing steadily for more than two decades.

In France, our collaboration with Andra has remained focused on the Cigéo project, one of the most significant international programs in the field of high-level waste management. This year we have consolidated several key lines of work: the development of quantitative models for the design and performance of tunnel seals, the long-term prediction of waste cell behaviour, and the simulation of gas generation and injection processes in low-permeability rocks. At the same time, the collaborative programme launched in 2024 on the influence of organic compounds on radionuclide mobility has continued, with experiments conducted in partnership with the University of Helsinki, and we have made substantial progress in the in-situ tests at the Bure underground laboratory, carried out with Amberg Engineering, to instrument and assess the large-diameter pilot seals intended for the final sealing of Cigéo's tunnels.



pH evolution model at ONKALO site

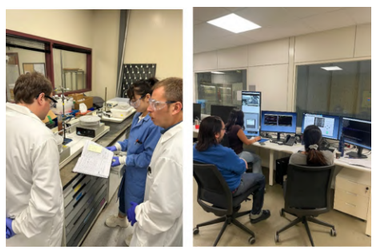
In Sweden, our long-standing collaboration with SKB has continued to demonstrate its strength. Throughout 2025 we have worked on the development and maintenance of the MARFA radionuclide transport tool, as well as on the modelling of hydro-mechanical experiments in fractures and on the study of bentonite buffer erosion. In parallel, we have contributed to the analysis of the behaviour of concrete barriers at the SFR repository, currently undergoing expansion, through hydrogeochemical modelling and technical support.

Concrete and bedrock samples before treatment (left and down) and conditioned for through-diffusion tests (top right)

In Spain, the projects carried out with Enresa under the cooperation framework signed in 2023 have experienced significant growth. This year, studies on the behaviour of spent fuel have been reinforced through collaboration with the Universitat Politècnica de Catalunya, and new initiatives have been launched concerning the long-term stability of cemented and organic wastes. In addition, we were awarded the maintenance of the hydrogeological model of El Cabril and the installation of the monitoring system for one of its cells, all while progress continued on the R&D project dedicated to the final cover of the facility.

Belgium has been another central focus of our activity. With Ondraf/Niras we have continued to develop sorption databases and participate in expert groups on engineered barriers, as well as in validation activities for the ThermoChimie thermodynamic database. We have also continued to work on the future near-surface disposal facility, a project centred on the degradation of concrete structures. The renewal of the framework contract with this agency, which becomes effective in 2026, represents important recognition of the long-term quality of our work.

Outside Europe, **Amphos 21**'s international activity has continued to grow. In Canada, our certification as an official supplier of NWMO since 2024 has enabled us to consolidate a collaboration that dates back more than a decade, now focused on the safety assessment of the selected site for high-level waste management. In Australia, we have continued to provide expert advice to ARWA for the preliminary development of the safety report of the future national repository. In South Korea, the two multi-year programmes launched in 2024 with KORAD have progressed significantly, focusing on the evaluation of transport, treatment, storage, and long-term stability of low- and intermediate-level wastes. We have also continued our collaboration with Japan and Taiwan in multiple technical areas.



PhD student at Clemson University laboratories doing research on radionuclide – organic complexation (left) and colleagues at ALBA synchrotron doing beamtime measurements (right)

Alongside our work in deep geological disposal, **Amphos 21** has continued expanding its presence in near-surface disposal projects, an area currently experiencing strong growth and in which our capabilities have been significantly consolidated in recent years. Likewise, we have remained highly active in various European R&D projects such as HARPERS, DORADO, and EURAD2, in the latter also serving as the secretariat of EuradScience, the body bringing together the main scientific entities in the sector in Europe.

Finally, 2025 has also been a year of intense scientific and outreach activity for our team, with a strong presence at major international forums, including meetings of the IAEA, NEA, Foro Nuclear, IGD-TP, conferences on geosciences and coupled processes, numerical modelling, and the annual meeting of the Spanish Nuclear Society.

Our Stand in the Annual meeting of the Spanish Nuclear Society (SNE) at Cáceres

Outlook for 2026 and the Future

Amphos 21 faces a particularly promising outlook, supported by the technical strength demonstrated over recent years and by the continuity of strategic relationships with the major international agencies in the sector. We begin the year with confirmation of the renewal of the framework contract with Ondraf/Niras, a milestone that reinforces our close collaboration with the Belgian agency and ensures the continuity of our role as a leading technical partner in the development of advanced solutions for radioactive waste management.

The North American market will remain one of the main growth drivers for the company. Following our incorporation as a certified supplier of NWMO, 2026 is set to be a decisive year for expanding our participation in safety analysis, advanced modelling, and site assessment activities, given the significant progress made by the Canadian agency in its deep geological repository programme. This positioning will strengthen our presence in a highly specialised and rapidly evolving market.

At the same time, we will continue expanding our capabilities in the English-speaking world, particularly in the United Kingdom, where our collaboration with Nuclear Waste Services (NWS) will continue to develop both in deep geological disposal projects and in surface-facility initiatives. This is complemented by our participation in UK government initiatives (DEFRA), where **Amphos 21** is part of the selected groups analysing emerging technologies such as SMRs (Small Modular Reactors), opening an additional avenue for specialisation and international visibility.

Digitalisation will remain another of our strategic pillars throughout 2026. We will continue strengthening our work in artificial intelligence, high-performance computing, multiphysics simulation, and advanced data analysis — areas that have already become key differentiators of our capabilities. The growing demand for digital tools to optimise decommissioning processes, enhance operational safety, and integrate experimental and numerical data provides additional momentum for expanding this line of activity.

EAG (EMPRESARIOS AGRUPADOS - GHESA)

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E-mail: empresarios@empre.es

Headcount	More than 1,400 employees
University graduates	70 %

EAG (Empresarios Agrupados - GHESA) is a leading Spanish engineering company with extensive national and international experience in the design and delivery of complex energy and industrial projects. With more than 60 years of experience, **EAG** provides engineering services across all phases of the life cycle of power generation plant projects, ranging from nuclear (fission and fusion) and conventional thermal plants (coal, fuel oil, gas in open or combined cycles) to renewable energies (parabolic solar, solar tower/ concentrated solar power, photovoltaic solar, and wind). It has developed projects as the main engineering contractor for power plants totaling more than 65 GW and has also carried out numerous studies and partial-scope engineering works in more than 80 countries. **EAG** has a permanent and multidisciplinary workforce of more than 1,400 people, of whom 70 % hold university degrees.

In the Nuclear Sector, **EAG**'s main areas of activity are:
- New construction nuclear power plant projects.
- Engineering support services for operating nuclear power plants.
- Decommissioning and radioactive waste management projects.
- Research reactor projects, SMRs, and Generation IV.
- Fusion technology: ITER, IFMIF-DONES, DEMO.

EAG has carried out the engineering for electric power generating plants projects with a combined installed power of more than 52,000 MWe, in Spain and in over 80 other countries.

Its clients include utilities, IPPs, government agencies, reactor suppliers, EPC contractors, major plant and equipment suppliers, and international organizations such as IAEA, EBRD, European Commission, ITER, Fusion for Energy, etc.

EAG is ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 certified.

SERVICES, PRODUCTS AND TECHNOLOGY AVAILABLE

EAG's services in the power generation area include consulting, project management, engineering and design, EPC projects, licensing and permitting, procurement services, construction management, commissioning supervision, engineering support to operating plants, and quality management.

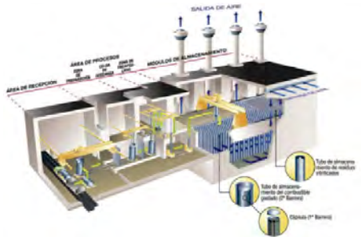
HIGHLIGHTS - NATIONAL

EAG has been the lead engineer for six 1100 MWe units in Spain (PWR and BWR), with a full scope of work in project management, engineering and design, procurement, construction management, pre-operational testing and commissioning.

EAG also provides a full range of engineering and operational support services to the seven nuclear power plants currently operating in Spain, carrying out modernization projects, design modifications due to new regulatory requirements, power upgrades, life extension and design modifications to meet post-Fukushima requirements.

Some of **EAG**'s projects in the nuclear field in Spain are:

• Implementation of post-Fukushima measures at the Almaraz 1&2, Trillo plants and participation in similar activities at other Spanish and foreign plants.
• Engineering and design of the Centralized Temporary Storage (ATC) of Spent Fuel project in Spain.
• Engineering services for the dismantling of the José Cabrera NPP (PWR, Westinghouse, 165 MWe).
• Engineering for the Power Upgrade of Almaraz 1&2 NPP (PWR, Westinghouse, 2x1049 MWe), including support for the implementation of new equipment and modification of control systems.
• Engineering services for the on-site spent fuel interim storage facilities (ATI) for Trillo, Ascó 1&2, Almaraz 1&2 and Cofrentes NPPs.
• Probabilistic Safety Assessment (PSA) for most of the nuclear power plants in Spain.
• Operation and refueling support services for Almaraz 1&2, Trillo and Cofrentes NPPs.
- Studies for license renewal and life extension of Almaraz 1 & 2, Trillo and Cofrentes plants.



HIGHLIGHTS - INTERNATIONAL

Engineering, Consulting and Property Engineering Services for New Nuclear Power Plant Projects:

- **EAG** has participated in several international projects to develop, license and construct Generation III and Generation III+ and advanced NPPs. This includes projects with different technologies such as Westinghouse PWR (AP 1000 & AP300), GE Vernova- Hitachi BWR (BWRX-300, ABWR, SBWR and ESBWR), Framatome PWR (EPR), Rosatom VVER (VVER 440, VVER-1000, VVER-1200), Mitsubishi PWR (APWR), etc. - EAG has provided Consulting and Property Engineering services in the preparation of Feasibility Studies, Bid Solicitation Specifications (BIS) and Bid Evaluation for new nuclear power plants, in most of the projects in Europe: Hanhikivi NPP in Finland, Temelin 3&4 NPP, & Dukovany 5 in the Czech Republic, Next NPP in Beznau, Switzerland, Olkiluoto 3 and 4 NPP in Finland, new NPP project in Jaslovské Bohunice in Slovakia, Akkuyu 1-4 NPP in Turkey, etc.
- **EAG** has participated in the preparation of the "European Utility Requirements" (EUR), requirements documents for new build, evolutionary and passive nuclear power plants in Europe.
- Design support for the Westinghouse´s AP 1000 & AP 300.
- Engineering and Design Support for the GVH´s BWRX-300 standard design, the Lungmen NPP Nuclear Island project (ABWR, GVH, 2x1360 Mwe and for the development and US NRC Design Certification of the ESBWR reactor).

- Analysis of high energy pipeline rupture in the Nuclear Island and design of protection against the consequences thereof, Mochovce NPP 3&4 (VVER, 2x440 MWe), Slovakia.
- Turbine Island design for Wylfa Newydd NPP 1&2 (ABWR, Hitachi-GVH, 2x1360 MWe) in the UK for Arabelle Solutions.
- Design of the general layout of the Turbine Island, piping and supports for Paks 5&6 in Hungary (VVER 2x1200 MWe) and El-Dabaa 1&2 in Egypt (VVER 2x1200 MWe) for Arabelle Solutions.
- Hanhikivi 1 NPP (VVER 1200), Finland. Preparation of the Preliminary Safety Report (PSAR).
- Angra 3 NPP (PWR, 1350 MW). Due Diligence and preparation of the BIS for completion.
- Technical support to Arabelle Solutions in its Turbine Island design projects (Paks, Akkuyu, Hinkley Point C, EPR2, Xudapu, Lianjiang,...).
- First large nuclear power plant (LNPP) in Saudi Arabia. Independent review of the Integrated Program. Participation in the drafting and independent review of the BIS.

Engineering Services for Operating Power Plants:

- Engineering and design of modifications to the emergency power supply system Class 1E, Krško NPP (PWR, Westinghouse, 730 MWe) in Slovenia (Post-Fukushima requirement).
- Development of a system for monitoring the technical condition of buildings and structures of VVER NPPs in Ukraine, based on advanced methods and techniques.
- During the last 35 years, **EAG** has provided engineering and consulting services for the implementation of safety improvement of Russian designed.
- VVER-440 and VVER-1000 plants in Russia, Ukraine, Bulgaria, Czech Republic, Slovakia and Armenia.

Decommissioning and Radioactive Waste Management Projects:

- Project management for the decommissioning of Kozloduy units 1 to 4 (VVER 440) and for the construction of the National Low and Intermediate Level Radioactive Waste Storage Facility in Bulgaria.
- Project management for the decommissioning of Bohunice NPP 1&2, VVER 440, in Slovakia.
- Project for Radioactive Waste Management at the "Vektor Industrial Complex" in Chernobyl, Ukraine.
- Engineering services for decommissioning and waste management at the EU Joint Research Centre (JRC) in Ispra, Italy.

Research Reactors, SMRs & Generation IV:

- **EAG** has participated in more than twenty (20) EURATOM projects, funded by the European Union Framework Programs, for the development of advanced reactor technologies (GEN IV), including liquid metal cooled and breeder, fast and thermal reactors.
- JHR (Jules Horowitz Reactor) experimental reactor, in France, for materials research: design of primary circuit heat exchangers.
- PBMR (Ball Bed Modular Reactor): High temperature gas reactor in South Africa: complete engineering and design of the primary system pressure envelope and components.
- Conceptual design of the MYRRHA liquid metal reactor, Belgium.
- Conceptual engineering of the Minerva Accelerator, Belgium.

Nuclear fusion technology:

- More than 20 years of active participation in projects for fusion technology development (ITER, IFMIF-DONES, DEMO).
- Engineering and Construction Management for all site buildings and infrastructure, power supply system, auxiliary systems and construction supervision for the ITER fusion reactor, as part of the ENGAGE consortium.
- Design, manufacture, qualification and installation of the Nuclear Safety Control System (SCS-N) for ITER.
- Final design of the ITER Test Blanket System (TBS) connection piping.
- Thermo-hydraulic analysis and process and systems engineering of ITER's Tokamak Cooling Water System (TCWS). - Assembly and installation contract within ITER's Tokamak TCC2 Complex.

- Design and fabrication of the Normal Heat Flux ITER First Wall Panels.
- Engineering and supply of Normal Heat Flux (NHF) elements for JT-60SA under the EU-Japan agreement.
- Building design activities, plant systems and safety analysis for DONES.
- Design and construction of a liquid lithium circuit (LITEC) for CIEMAT to perform lithium purification and handling tests for the DONES project.
- **EAG** has participated in 4 mission projects for the design and development of IFMIF-DONES parts (Acteca, Fusion Future, Dones Evo, Neuron Dones).
- Design (Phase I) of the VATIST validation prototype of IFMIF-DONES experimental Target and Test Cell Systems.
- Pre-conceptual design activities for DEMO.
- Tritium transport and permeation simulations with EcosimPro for ITER, DEMO and DONES.

COUNTRIES IN WHICH THERE IS NUCLEAR ACTIVITY

EAG has experience in nuclear projects in the following countries: Spain, France, United Kingdom, Belgium, Finland, Italy, Switzerland, Slovenia, Romania, Sweden, Norway, Bulgaria, Czech Republic, Slovakia, Hungary, Ukraine, Poland, Lithuania, Armenia, United States, Canada, Mexico, Argentina, Brazil, Turkey, Jordan, Taiwan, Saudi Arabia, UAE, Japan, Egypt and South Africa.

EULEN - PROINSA

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Turnover	1,440.29 million €
% international sales	15%
Global staff	75,882 employees
Staff in Spain	48,862 employees
Countries in which the company operates	14

GRUPO EULEN was founded in 1962, becoming a pioneer in the industry by offering the market a professional cleaning service for the very first time. The company's extensive experience and the training undertaken by its professionals means **Grupo EULEN** now specializes in a range of sectors, including nuclear, automotive, steel, industry, petrochemicals, pharmaceuticals, department stores, hospitals, agriculture and food, transportation and office buildings.

PROINSA is authorised by the Spanish Nuclear Safety Council as a Radiological Protection Technical Unit against ionising radiation. This permit has allowed it over the years to become specialised in offering radiological protection and environmental services.

Grupo EULEN, with its various specialized companies, offers the following services to the Nuclear sector:

- Specialist technical cleaning
- Conventional cleaning
- Decontamination
- Security
- Radiation protection
- Declassification of materials
- Radioactive waste management
- Maintenance
- Environment
- Radiological and environmental measures

Grupo EULEN has certificates that guarantee the quality of its services:

- ISO 9001:2008 quality standard
- UNE 73401:1995 quality standard
- ISO 14001:2004 environmental management standard
- OSHAS 18001:2007 risk prevention

SERVICES, PRODUCTS AND TECHNOLOGY AVAILABLE

EULEN has extensive presence and experience in providing all kinds of services to nuclear power stations and radioactive facilities:

- Technical cleaning and radioactive decontamination services
- Cleaning and decontamination of buildings, facilities and equipment in controlled areas
- Cleaning and decontamination of parts, tools, equipment, etc.
- Cleaning of vessel studs and nuts for the Reactor vessel and steam generators
- Decontamination of materials and scrap metal
- Classification and management of contaminated materials
- Support (staff and equipment) during refueling and outages
- Installation and conditioning of SAS
- Filtration of refueling cavity water
- Hydrodynamic cleaning with pressure washing
- Cryogenic cleaning with CO_2
- Cleaning of heat exchangers, condensers, water boxes, pumps, tanks, intakes and supplies, pools, cooling towers, etc.
- Scaffolding, logistics and industrial support

PROINSA has a long-standing presence and extensive experience in providing radiation protection and environmental services:

Radiological protection in nuclear power plants.

- Services in normal operation.
- Services in refuelling outages.
- Services during decommissioning.

Radiological protection in radioactive facilities.

- Radiological control.
- Elaboration and processing of documentation.
- Advice and management with respect to public entities.

Education and training in radiological protection.

- Supervisors and operators of radioactive facilities.
- Radiological protection technical expert
- Basic radiological protection

Protection services against exposure to natural radiation in NORM Industries.

Management of radioactive materials during normal operation and decommissioning.

Environmental radiation monitoring services. Environmental studies and projects.

Protocol for collaboration on monitoring radiation of metallic materials. Decontamination operations involving radioactive sources (scrap yards, steel mills)

Nuclear and radiological emergencies

Firefighting squads and services.

ACTIVITIES AND REFERENCES

EULEN has been involved in the nuclear industry for more than 35 years, working for the following Nuclear Power Plants:

- Santa María de Garoña
- Ascó I & II
- Vandellós
- Almaraz
- Trillo
- José Cabrera
- Cofrentes

At some of these facilities, **Grupo EULEN** has worked on the construction stage, as well as on operations and refueling.

It has also provided support in radiological protection during refuelling outages in the nuclear power plants of Ascó I and II, Vandellós II, Santa María de Garoña, Jose Cabrera, Cofrentes and Trillo.

During the decommissioning, **PROINSA** has provided radiation protection and radioactive waste management services

Since it was founded **PROINSA** has also provided services to radioactive installations, offering the maximum scope and guidance in radiological protection.

PROINSA has also delivered courses related with radiological protection, and has participated actively in all of the important incidents that have occurred in the country, before and after signing the Spanish Protocol of Collaboration on Monitoring Radiation of Metallic Materials.

Grupo EULEN PROINSA has also undertaken activities relating to the nuclear sector at the following facilities:

- Disposal of low and intermediate activity radioactive waste at El Cabril (ENRESA)
- Nuclear fuel factory (Enusa)
- Integrated Plan for Facility Improvement (PIMIC) at CIEMAT

ENWESA OPERACIONES, S.A., S.M.E.

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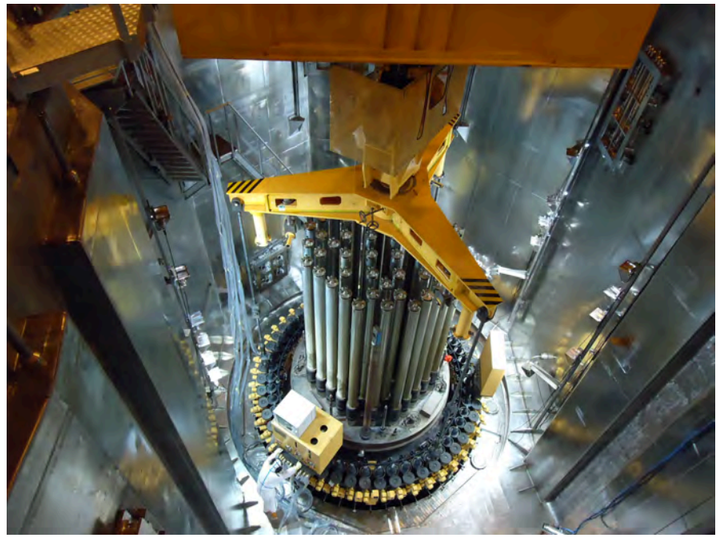
Founded in	1997
Turnover (2024)	28.2 million €
Exports	3.3%
Staff	257
Specialized technicians	167
Average age	42 years

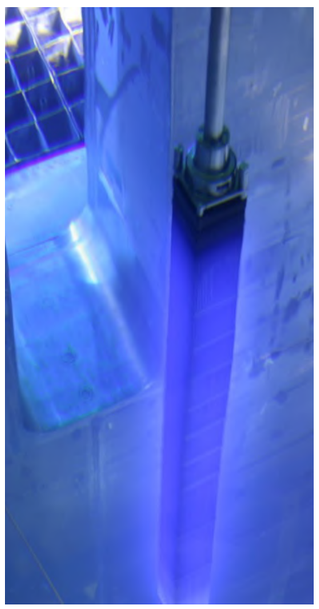
ENWESA is a company specialized in maintenance services to nuclear power plants and the manufacturing of components for the nuclear industry.

It accumulates knowledge and experience in different nuclear power generation technologies, especially those related to PWR reactors.

ENWESA's capabilities in welding and machining are used throughout the manufacturing processes, as well as in field services, in systems upgrades.

This knowledge is also applied in other sectors, in the manufacturing of high added value components.





SERVICES, PRODUCTS AND TECHNOLOGY AVAILABLE

The company integrates manufacturing, installation and maintenance services, and also the decommissioning of nuclear facilities, allowing for efficient management in all stages of its life cycle.

With this aim, **ENWESA** is organized in four areas that collaborate closely, enabling the integration of different expertise and perspectives to face complex projects:

These areas are:

- Nuclear services of NSSS components such as reactor, fuel, steam generators and reactor coolant pumps. It also includes the decommissioning of nuclear facilities and radioactive waste management.
- Valves and actuators maintenance, mainly nuclear related.
- Mechanical maintenance of turbines, pumps, motors, heat exchangers and other mechanical equipment.
- Manufacturing of mechanical components, mainly for the nuclear and shipbuilding industries.

ENWESA is certified to ISO standards in Quality (ISO 9001) Environmental Management (ISO 14001) Welding (ISO 3834) Health and Safety (ISO 45001) and Criminal Compliance (UNE 19601).

Several other certifications, such as CEFRI cover specific areas and customers.

OUTSTANDING ACTIVITIES - NATIONAL

ENWESA has an ongoing activity in all Spanish nuclear power plants including:

- Mechanical maintenance during plant cycle.
- Refueling outages NSSS components maintenance.
- Fuel handling, inspection and repair.
- Valves maintenance.
- Design changes in main systems.

In the BWR nuclear plants like Cofrentes, **ENWESA** routinely performs mechanical maintenance of valves, motors and pumps.

One growing area to be highlighted within plant cycle activities is the spent fuel casks loading and handling in Spanish NPPs, that has been an increasing activity for the last few years.

ENWESA's facilities and resources are suitable for the manufacturing of nuclear components, such as heat exchangers, tanks and spent fuel casks.

OUTSTANDING ACTIVITIES - INTERNATIONAL

An ongoing activity is valve maintenance in several French nuclear power plants, where **ENWESA** is well stablished and holds a continuous workload all year round, adding recently, additional scope regarding reactor vessel tasks during refueling outages.

COUNTRIES IN WHICH THERE IS NUCLEAR ACTIVITY

Nowadays **ENWESA** is well known as a valve maintenance supplier in many of EDF's power plants.

The main international business area for **ENWESA** is France but it is also active in other regions within and out of Europe, in countries such as Arab Emirates, Mexico and Belgium.

GD ENERGY SERVICES

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Revenues (FY 2025 aggregated)	114 million €
Workforce	More than 1,300 employees

Grupo Dominguis Energy Services (GDES) is a group of family-owned companies with an international scope, boasting over 90 years of experience in providing industrial services for the energy sector. Currently, it is a benchmark in support services for operation, maintenance, and decommissioning, surface treatment, logistics, energy efficiency, and digital transformation for diverse sectors including nuclear, wind, photovoltaic solar, and metallurgical, among many others.

GDES currently employs over 1,300 professionals across 8 countries. Their highly qualified and customer-oriented team delivers high-value solutions tailored to the specific needs of each project.

BUSINESS OBJECTIVE

In recent years, the growing challenges of an increasingly globalised sector, together with the company's own strategic development, have led **GDES** to expand its international activity, now representing a significant share of the Group's global business. In addition, all Group services are increasingly aligned with the decarbonisation of the economy through low-carbon energy sources (nuclear and renewables), energy efficiency and self-consumption solutions, circular-economy-based waste minimisation and reuse, and digitalisation to reduce inefficiencies and losses in industrial processes. Innovation and sustainability are essential pillars for **GDES** to sustain long-term value and competitiveness.

MAIN BUSINESS UNITS FOR THE GROUP NUCLEAR SERVICES, SURFACE TREATMENT, DECOMMISSIONING, WIND, EFFICIENCY AND PHOTOVOLTAIC, DIGITAL TRANSFORMATION AND BUSINESS 4.0 & CIRCULAR ECONOMY.

SERVICES

NUCLEAR SERVICES

- **O&M support**
  - Cleaning and decontamination
  - Radioactive waste management
  - Water and sludge management
  - Spent fuel management
  - Chemistry and radiochemistry support
  - FME support
  - Development of robotic solutions
  - Boron injection equipment
- **Thermal protection**
  - Design and installation of passive fire protection
  - Design and installation of sealing systems
  - Installation of thermal insulation
  - Asbestos removal and management
  - Lifting procedure definition
  - BIM and digital twin modelling
- **Radiological protection**
  - Operational radiological protection services
  - External dosimetry services
  - Radiological protection consultancy
  - Accredited RP training
  - Facility licensing support
  - Radioactive material transport
  - Radiological characterisation
  - Emergency response support
  - NORM and orphan source management
- **Decommissioning**
  - Facility dismantling
  - Decommissioning planning
  - Decontamination and clearance
  - Large-component management
  - Development of robotic characterisation equipment
  - Feasibility studies for waste management
  - Site release support

SURFACES TREATMENTS

- **Surface preparation:**
  - Abrasive blasting.
  - Shot blasting.
  - Pressure washing.
- **Surface treatment with Sponge-Jet.**
- **Corrosion protection:**
  - Maintenance
  - Primers, paints, and coatings
- **Concrete treatments:**
  - Repairs
  - Structural reinforcements
- **Paving application**
- **Metallization**

WIND

- Preventive and corrective maintenance (on-site and workshop)
- Retrofits
- Expert assessments
- Inspection programmes (thermography and ultrasound)
- Technical consultancy
- Rotor balancing and vibration diagnostics
- Long-term operation services
- Blade, component and material logistics
- Blade cutting, dismantling and waste management
- Composite component manufacturing

ENERGY EFFICIENCY & PHOTOVOLTAIC

- Self-consumption and generation PV systems
- Self-consumption wind systems
- Energy storage solutions
  - Detailed design and engineering
  - Construction
  - O&M
- Energy efficiency
  - audits and consulting
  - EMS monitoring
- Thermal energy solutions (EPC/HPA)
  - Fresnel solar thermal systems
  - Heat pumps (high/low temperature)
  - Electric boilers

DIGITAL TRANSFORMATION AND BUSINESS 4.0

- Digital maturity assessment.
- Definition of the digital transformation roadmap and AI implementation
- Development of profitability oriented digital solutions
  - Detection and definition of business problems and goals.
  - Real-time data management and integration.
  - Process optimization through predictive algorithms.
  - User experience design.
  - Industrialization within the business environment.
- Ad-hoc projects for various sectors:
  - Energy sector
  - Health sector
  - Food industry
  - Automotive
  - Manufacturing

CIRCULAR ECONOMY

- Recovery of industrial waste specialising in the energy sector (photovoltaic panels, wind turbine blades, CRMs).
- High power chargers using batteries from the automotive sector.
- Lithium ion battery recycling.
- Carbon footprint calculation and decarbonisation consultancy.
- Circular Supply Chain.
- Warehouse and inventory management.
- Comprehensive in house logistics (material handling, load reception, etc.).
- 4PL/3PL logistics.

PAST WORK AND REFERENCES

OPERATION AND MAINTENANCE SERVICES

Spain: All Spanish nuclear power plants in operation
- Cofrentes Nuclear Power Plant
- Almaraz Nuclear Power Plant
- Ascó Nuclear Power Plant
- Vandellós II Nuclear Power Plant
- Trillo Nuclear Power Plant

France: Nuclear power plants at Fessenheim, Dampierre, Bugey, Cattenom, Civaux, Golfech, Chooz, Chinon, Blayais, St Laurent, Nogent, Tricastin, Belleville, Gravelines, Cruas, Flamanville, Paluel and ITER

DECOMMISSIONING SERVICES

Spain: All Spanish nuclear power plants under decommissioning and other radioactive facilities
- José Cabrera Nuclear Power Plant
- Santa María de Garoña Nuclear Power Plant
- Vandellós I Nuclear Power Plant
- Andújar Uranium Factory (FUA)
- CIEMAT Facilities (PIMIC)
- Arbi Experimental Reactor

- **International:** Different projects in

European radioactive plants and facilities - Dounreay, Winfrith and Springfields (UK) - Barsebäck NPP and Oskarshamn NPP (Sweden)
- Latina NPP (Italy)
- CEA Marcoule (France)
- JRC Ispra (Italy)
- CERN (Switzerland)
- Galileo Galilei Reactor, CISAM (Pisa, Italy)

OTHER REFERENCE SERVICES:

Radiation Protection support: JRC Ispra (Italy), hospital and industrial facilities (Spain). CSN – INVEAT Project, Radiation Protection shift support service at Cofrentes.
Chemical cleaning of the secondary side of Steam Generators for EDF at Dampierre 1 and Dampierre 2 (France) **Mechanical and chemical cleaning of GSS type heat exchangers:** Fessenheim, Blayais, Dampierre.
Treatment of effluents from chemical cleaning at Dampierre 1 (France)
Application of special coating at the nuclear power plants of Cattenom 3, Flamanville 2 and 1, Blayais, and Iter (France)
Cross Under metallisation for Laguna Verde NPP (Mexico)
GSS metallisation for the French nuclear power plants of Golfech, Chooz, Civaux, Belleville, Bugey and Nogent
Passive fire protection services, penetration sealing, and thermal and reflective insulation for the Spanish nuclear power plants of Vandellós II, Almaraz, Cofrentes, Trillo, Ascó I and II. ITER and Cruas in France.
Supply of emergency borated water injection equipment: several French NPPs.
Inspection and repair of liquid effluent tanks resulting from chemical cleanings: renewed 5 year (+2) framework contract across the entire French nuclear fleet

IDOM CONSULTING, ENGINEERING, ARCHITECTURE, S.A.U.

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Founded in	1957
International activity	90 %
Projects developed in over 125 countries	45 offices
Staff	+5,000 employees
Superior degree holder employees	90 %

IDOM Consulting Engineering, Architecture, S.A.U (IDOM) offers comprehensive services for nuclear installations, not only in fission with large nuclear power plants and advanced reactors but also fusion and the nuclear fuel cycle. Our organizational structure enables us to deliver a wide range of technical solutions, assistance and management services.

We stand out by integrating our nuclear expertise with the support of professionals across **IDOM**. This allows us to respond efficiently and effectively to each project's requirements and client needs. We coordinate all **IDOM** disciplines using project management practices that ensure the correct technical and economic outcomes of our projects.

Our commitment to excellence is underpinned by an Integrated Management System (IMS) certified by Lloyd's Register in accordance with ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018.

Furthermore, our Nuclear Services Management System (NSMS) and Nuclear Quality Assurance Programme (NQAP) comply with the main international nuclear codes and standards, ensuring the highest levels of quality, safety and compliance (ASME NQA-1, ISO 19443, 10CFR50 Appendix B, UNE 73400, amongst others).

SERVICES, PRODUCTS AND TECHNOLOGY AVAILABLE

Throughout the entire lifecycle of a nuclear facility, whether for power generation or research, we offer comprehensive support with regulatory procedures, ensuring compliance with operational, technical and licensing requirements. Our approach focuses on nuclear safety, environmental protection and risk mitigation in an efficient and cost-effective manner.

We provide our services on an individual basis or through comprehensive contracts that fully cover the client's needs, taking full responsibility for the agreed scope of work. In this context, we carry out activities including project management, multidisciplinary engineering, procurement, site supervision, operational support, commissioning support and services related to the decommissioning of nuclear facilities.

We participate in projects under various contractual arrangements and in different roles, acting as EPCM or EPC contractors, as project managers (PMC), as owner's engineers, or by providing specialized technical assistance. We also carry out design and engineering work, advanced studies and nuclear consultancy services, tailoring our level of involvement to the specific objectives of each project and the needs of our clients.

IDOM NUCLEAR SERVICES ACTIVITY

Nuclear consultancy

We provide strategic, technical and regulatory advisory services throughout the entire lifecycle of a facility, including site and technology selection, licensing support, feasibility studies, stakeholder management and the definition of organizational models. With experience in over 30 countries, we are able to support nuclear programmes across a wide range of regulatory contexts.

New build

We develop comprehensive solutions for new nuclear projects, combining multidisciplinary engineering, project management and expertise in a range of fission and fusion technologies. We are involved from the initial studies through to detailed engineering and provide support during construction and the licensing process.

Operation and maintenance

We support the safe and efficient operation of nuclear power plants and other facilities by providing engineering support, system upgrades, advanced analysis, implementation of new regulations, lifecycle management and measures aimed at enhancing operational safety.

Decommissioning, waste and fuel management

We work on decommissioning projects and solutions for the management of spent fuel and radioactive waste. This includes the design of facilities such as Independent Spent Fuel Storage Installation (ISFSI) / Central Spent Fuel Storage Facility (CSFSF),radiological analyses, characterization,decommissioning strategies and regulatory support in accordance with the most rigorous international standards.

SMR and advanced reactors

We are involved in the development of small modular reactors and advanced reactor technologies, providing engineering, specialist analysis, licensing support, and the design of components and systems for international clients.

Fusion

We play a leading role in international fusion projects, providing engineering, advanced analysis and systems design for facilities such as ITER and JET. Our experience places us among the most specialized engineering firms in the field of fusion at European level.
In addition to power generation, we work on industrial, scientific and medical applications that require nuclear technologies. These include radiological facilities, hospitals and research centers, as well as projects related to proton therapy, the production of radioisotopes and specialized radiological equipment.

This area complements our core business and demonstrates the broad range of our capabilities.

OUTSTANDING ACTIVITIES - NATIONAL

At a national level, **IDOM** has strengthened its position as a leading strategic partner, expanding its support projects for Spanish nuclear power plants.

Throughout the year, key activities in operational life management, predictive analysis, asset digitalization and process optimization have been strengthened. The team has participated in initiatives aimed at the modernization and continuous improvement of facilities, including technical status updates, periodic safety reviews, advanced risk studies and engineering developments focused on increasing long-term safety and reliability levels.

Furthermore, **IDOM** has continued to make progress on decommissioning programmes for ENRESA, providing specialist engineering and technological solutions for the safe decommissioning of nuclear power plants, always with a firm commitment to the protection of people and the environment.

IDOM has stepped up its contribution to the development of the IFMIF-DONES facility in Granada, one of the country's most significant scientific and technological projects in the field of fusion research. In this context, the company has carried out safety studies under the Safety Framework Contract (AMSAFETY) relating to various plant systems to validate their final implementation. Through these activities, **IDOM** consolidates its role as a leading partner in strategic infrastructure aimed at advancing research into materials for future fusion reactors.

OUTSTANDING ACTIVITIES - INTERNATIONAL

Throughout 2025, the company has remained actively involved in long-term strategic projects across Europe, notably the ongoing work at the Krško nuclear power plant, where **IDOM** continues to provide turnkey solutions and specialist engineering support.
Similarly, the company has consolidated its role in flagship projects such as PALLAS (Netherlands), one of the world's most significant projects for the production of radioisotopes, as well as in ITER (France), a global reference in the field of nuclear fusion.
IDOM's international expansion was consolidated in 2025 with the award of new contracts in Saudi Arabia, the United Arab Emirates, the United States, France, South Korea, Colombia, Canada, the Netherlands and the United Kingdom, amongst other countries. This growth reflects the confidence placed by regulatory bodies, operators and major engineering and technology firms in the sector in **IDOM**'s ability to deliver highly complex engineering solutions in critical environments.
Notable projects include international licensing work, the development of design guidelines, cost optimization studies and advanced analyses for new generations of reactors, including Small Modular Reactors (SMR).

At the same time, **IDOM** has strengthened its role in the nuclear fusion sector, participating in cutting-edge projects alongside leading organisations such as the UK Atomic Energy Authority, Fusion for Energy, ITER Korea and various European consortia. The new contracts include the development of state-of-the-art components, advanced structural analyses, tritium experiments and safety work for world-class facilities. This activity reaffirms **IDOM**'s position as one of the most active European players in applied fusion engineering.

Furthermore, the company has continued to position itself as a key player in the field of Small Modular Reactors (SMR), participating in pre-feasibility studies, design and engineering projects, operational analyses and international licensing processes that place **IDOM** at the forefront of the energy future.
In the medical field, **IDOM** has continued to provide engineering services for new proton therapy facilities, consolidating its expertise in the development of complex scientific and healthcare infrastructure, and expanding its involvement in strategic projects such as PALLAS.

COUNTRIES WITH NUCLEAR ACTIVITY

Our nuclear activity spans five continents, encompassing projects in Europe, North and South America, the Middle East, Asia and Africa.
We work with a wide range of international clients (operators, regulators, public agencies and scientific facilities), delivering projects that range from new facilities and advanced reactors to decommissioning, waste management and regulatory support.
This global presence reflects our versatility and the trust placed in us across a wide variety of technical and regulatory environments.

INGECID S.L.

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Revenue forecast for 2025	>15 million €
Exports	45 %
Sales volume in the nuclear sector	60 %
Staff	150 employees

INGECID is an international engineering firm specialising in the nuclear sector, with a proven track record in the development of facilities, systems and components associated with critical infrastructure. The company acts as a leading technical partner for operators, public bodies and large corporations, participating in strategic programmes that require the highest level of technical, regulatory and organisational standards.

Its activities include the design and analysis of spent fuel storage facilities, decommissioning projects, the modernisation of operating nuclear power plants and the development of new infrastructure associated with the nuclear life cycle. **INGECID** is involved from the initial conception and feasibility stages through to construction, licensing support and technical assistance during implementation.

With an international presence and experience in different regulatory frameworks, the company provides advanced capabilities in structural and thermal engineering, safety analysis, technical simulation and applied technological development. Its approach combines technical depth, a global view of the asset and a strong commitment to the client's objectives.

INGECID approaches engineering with a deep sense of responsibility, bringing its own criteria, analytical rigour and commitment to excellence to every project, and delivering robust and sustainable solutions in highly complex environments. This way of working defines its positioning and reflects its identity: engineering with soul, ready to take on the challenges of the international nuclear sector.

SERVICES, PRODUCTS AND TECNOLOGY AVAILABLE

INGECID participates in the development of complex nuclear and scientific facilities from a comprehensive perspective, combining advanced technical capabilities and a global vision of the asset life cycle. The company is involved in all phases of the project, from conceptual definition and feasibility studies to construction development, licensing support, and technical assistance during execution and operation.

Its activities include the complete design of spent fuel storage infrastructures, auxiliary facilities, containment and protection systems, structures subject to demanding seismic and thermal stresses, as well as critical components associated with the transport and management of radioactive materials. Each solution is designed by integrating technical, regulatory and construction requirements under a single technical management team.

INGECID's multidisciplinary structure allows it to coordinate structural and thermal engineering, safety analysis, advanced simulation, technical consulting and in-house technological development within a coherent and optimised framework. This integration guarantees sound design, efficient execution and technical consistency throughout the entire project.

INGECID acts as a comprehensive engineering firm in highly demanding environments, providing independent technical expertise, the ability to structure complex solutions, and a firm commitment to its clients' strategic objectives.

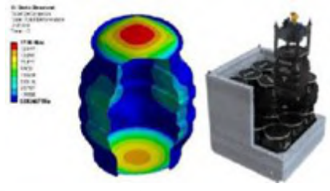
Radiological Engineering

INGECID develops radiological engineering applied to nuclear facilities in operation, storage and decommissioning, integrating advanced technical analyses in environments with the highest regulatory requirements. Its activities include the assessment of radiological scenarios, modelling of operational and accident conditions, impact studies and technical support in licensing processes, always under criteria of methodological rigour and regulatory consistency.

The experience gained in real projects allows us to integrate radiological constraints from the initial design stages, ensuring technically sound, optimised solutions that are aligned with safety requirements. This discipline is coordinated with the other technical areas, ensuring that radiation protection forms a structural part of the overall approach for each facility.

Structural, thermal and geotechnical engineering

In the structural, thermal and geotechnical fields, **INGECID** undertakes the analysis and design of infrastructures and components subject to complex stresses, including seismic actions, soil-structure interactions, thermal effects, dynamic loads and accidental situations.



The company combines advanced modelling, numerical simulation and in-depth knowledge of the behaviour of materials and construction systems, enabling it to design robust solutions for nuclear facilities, storage structures, slabs and technical platforms, auxiliary buildings and containment systems.

The integration of geotechnical engineering into the design process guarantees a comprehensive overview of the behaviour of the asset, from its foundations to its overall structural response, ensuring stability, durability and technical consistency in highly demanding environments.

BIM & Digital Transformation

Digitisation is a structural element of **INGECID**'s operating model. The company applies advanced information management and digital modelling methodologies to structure technical data as a strategic asset of the project.

This approach integrates design, planning, execution and operations within a single coordinated environment, improving traceability, coherence and analytical capabilities. Digitisation is not limited to geometric representation, but rather forms part of a comprehensive system that connects technical information, regulatory requirements, and decision-making processes in complex facilities.

Consultancy and strategic support

INGECID complements its design capabilities with technical consulting services specialising in nuclear safety, licensing processes, strategic planning, and regulatory assessment. The company acts as an independent advisor in defining technical solutions, conducting feasibility analyses, and structuring projects in regulated environments.

Its experience across international settings gives **INGECID** a comparative, rigorous perspective on regulatory interpretation, technical risk management and the shaping of development strategies. This advisory capacity reinforces **INGECID**'s role not only as a design engineering firm, but also as a technical partner capable of supporting strategic decisions in highly complex nuclear projects.

Technological development: software & AI

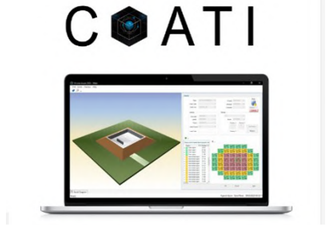
INGECID integrates its engineering capabilities with the development of proprietary technology geared towards advanced nuclear asset management and the optimisation of critical processes in the sector.

The VIRCORE® platform is the technological core around which the company structures comprehensive nuclear infrastructure management solutions, enabling the centralisation of technical information, document traceability, planning, asset control and operational coordination in highly regulated environments.

To this end, **INGECID** is working with ENRESA to develop the Spanish Nuclear Power Plant Decommissioning Management System (SGDES), a strategic digital infrastructure that will support the planning, monitoring and technical control of current and future decommissioning processes.

Powered by VIRCORE®, SGDES brings structure to accumulated sector knowledge while ensuring technical consistency, stronger decision-making, and end-to-end traceability of materials, activities and documentation across a stringent regulatory framework. Its structural implications for decommissioning management make it especially significant for the national nuclear sector.

INGECID has also developed COATI, a specialised tool for spent fuel management optimization. Through COATI, users can generate optimized loading plans, evaluate storage configurations, and quickly calculate radiological scenarios associated with temporary storage facilities, driving operational efficiency and ensuring compliance with safety requirements.



At the same time, the company promotes the development of its own technologies based on artificial intelligence and generative design applied to engineering. These solutions make it possible to explore optimal design configurations, automate analysis processes, improve safety, increase productivity and encapsulate expert technical knowledge in reusable digital models. The integration of AI into engineering processes not only speeds up decision-making, but also reinforces the technical robustness and consistency of projects throughout their life cycle.

The combination of advanced engineering, proprietary software and artificial intelligence positions **INGECID** as a key player in the technological transformation of the nuclear sector, capable of integrating technical knowledge, digitalisation and analytical capabilities into highly complex projects.

PATENTS

INGECID maintains continuous innovation activity focused on developing its own technical solutions for the nuclear sector. As a result of this effort, the company has a portfolio of patents related to storage systems, radiation protection, containment and management of radioactive materials, as well as construction and technological solutions applied to critical infrastructure.

These patents reflect **INGECID**'s ability to transform technical knowledge into concrete industrial solutions, reinforcing its position as an engineering firm with its own criteria and technological development capabilities. R&D&I activity is a structural part of the company and is directly integrated into projects, allowing it to improve safety standards, optimise designs and provide real competitive advantages to its customers.

CERTIFICACIONS

INGECID has an Integrated Management System designed to guarantee technical quality, safety, environmental protection and continuous improvement in all its activities. This system is aligned with the main international standards applicable to the nuclear sector and highly demanding industrial environments, including specific nuclear quality assurance frameworks.

The company operates under structured procedures that ensure traceability, document control, knowledge management and regulatory compliance at every stage of the project. The quality assurance system covers in particular those activities related to nuclear safety, incorporating the technical and regulatory requirements applicable in the different countries in which it operates.

This approach ensures technical consistency, organisational robustness and confidence for operators and regulatory bodies, consolidating **INGECID** as an engineering firm capable of working under the strictest standards in the international nuclear sector.

NATIONAL HIGHLIGHTS

In Spain, **INGECID** actively participates in the main programmes related to spent fuel storage, the decommissioning of nuclear facilities and the development of infrastructure associated with the life cycle of nuclear power plants.

The company has assumed technical responsibilities in the design and construction of storage areas at the Vandellós II, Ascó, Cofrentes and Almaraz power stations, as well as in strategic actions at Santa María de Garoña and José Cabrera. This work includes defining and updating life management plans, developing support infrastructure for Individualised Temporary Storage Facilities and technically adapting facilities to new operational or decommissioning phases.

In the field of decommissioning, **INGECID** combines specialised engineering with the development and implementation of its own technological solutions. Through the VIRCORE® platform and the Decommissioning Management System (SGDES), the company has provided advanced tools for comprehensive asset management, material traceability, document control and technical planning in projects promoted by ENRESA.

This integration between engineering and technology enables optimised decision-making, improved operational efficiency and guaranteed technical consistency in highly complex regulatory environments.

All of these actions consolidate **INGECID**'s position as a leading engineering firm in the Spanish nuclear sector, capable of integrating technical expertise and in-house technological development into highly demanding strategic projects.

OUTSTANDING ACTIVITIES -INTERNATIONAL

Internationally, **INGECID** participates in strategic nuclear programmes in Europe, Africa, the Middle East and North America, strengthening its overseas growth and presence in highly regulated markets.

In Belgium, **INGECID** has developed engineering associated with infrastructure for the Tihange power station. In the United Arab Emirates, it has carried out feasibility studies and strategic planning for spent fuel storage facilities for ENEC.

In South Africa, **INGECID** collaborates in the development of centralised storage solutions and in activities linked to the Koeberg power station and programmes promoted by NRWDI and Eskom.

In North America, **INGECID** has been working on projects linked to Pickering NGS in Canada and on optimising storage systems in the United States, while in Norway it is involved in decommissioning programmes run by Norwegian Nuclear Decommissioning.

These international activities reflect **INGECID**'s ability to operate within different regulatory frameworks, integrate multidisciplinary teams and provide high-level engineering expertise in global nuclear programmes.

MARSEIN

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43007 Tarragona
Tel.: +34 977 24 58 80
E-mail: marsein@marsein.com

Estimated turnover 2024	35 million €
% volume of sales that comes from the nuclear sector	95 %
Staff	290 employees
% employees with higher and specialised degrees	70

30 years of commitment and trust

MARSEIN is a company with over three decades of experience, built on a foundation of trust, professionalism and commitment to our work and our clients. Over the years, we have built up a wealth of experience that allows us to continue moving forward with the same steadfast commitment to our values.

Currently, since November 2025, **MARSEIN** has been part of the **NUVIA Group,** joining a leading international group in nuclear engineering and services. This integration strengthens **MARSEIN's** technical capabilities, international reach and operational stability, enabling it to undertake projects of greater scope and complexity, both in Spain and internationally, whilst maintaining its identity, local expertise and high level of specialisation.

MARSEIN holds a wide range of certifications and accreditations that attest to our professionalism and quality of service:

ACCREDITATIONS, CLASSIFICATIONS, AND APPROVALS

o ISO 9001:2015
o ISO 14001:2015
o ISO 45001:2018

o UNE 73401 for work in nuclear power stations, listed in the Official Register of Companies (Royal Decree 413/97) of the Nuclear Safety Council (CSN) under No. 02/14905.

o Technical Unit for Radiation Protection (UTPR), certified by the Nuclear Safety Council (CSN).

o Authorisation by the Nuclear Safety Council (CSN) to provide advisory services on natural radiation. NORM and RADON.

o Authorisation by the Nuclear Safety Council (CSN) for the Control and Recovery of Orphan Radioactive Sources.

o CEFRI Certification, issued by CCE (France)

o ENRESA Approved Supplier Accreditation No. 000-IF-GC-1827.

o RERA (Asbestos Risk) certification by the Government of Catalonia).

o ROESP Classification: 5102CAT-Lgt, Water Toxicity (Categories 1, 2 and 3) by the Public Health Agency of Catalonia.

o Classification for Installations and Repairs of Pressure Equipment (Category: EIP2 and ERP2) number 8R1Z6MGNX and RASIC registration number 430019283, by the Government of Catalonia.

o Exclusivity of services associated with our group.

- NUVIATech Instrumentation. Design, manufacture and commissioning of radiation protection equipment
- NUVIATech Passive Protection. Design, manufacture and commissioning of sealing products and services, fire shutters, etc.
- NUVIATech Automation. Design, manufacture and commissioning of robotic and automated equipment

o Classifications number 1Z0P1JSWW and RASIC registration number 430019283, for:

- Electrical (LV installations), Specialist category (IBTE)
- Heating and DHW Air conditioning (Thermal installations in buildings).
- Industrial refrigeration Level 2
- Fire Protection (Various specialisms). Issued by the Government of Catalonia.

MEMBERSHIPS

o Member - Partner of the Spanish Nuclear Society

o Member of the Spanish Nuclear Industry Forum

o Member of the Spanish Society for Radiological Protection

Building the future with integrity and reliability

We build the future with integrity and reliability, offering comprehensive solutions for the **decontamination and the treatment of radioactive waste**. Our aim: to contribute to a cleaner and safer environment.

SERVICES, PRODUCTS AND TECHNOLOGY AVAILABLES

We have a highly qualified team and state-of-the-art equipment, enabling us to offer specialised services, particularly in the nuclear sector:

o Mechanical maintenance.
o Civil engineering maintenance.
o Maintenance and inspections of fire, flood and watertight barriers.
o Application, maintenance and design modifications for industrial painting.

o Erection/dismantling and inspections of scaffolding.
o Industrial cleaning and ancillary services.
o Laundry management
o Radiological decontamination and radioactive waste treatment.
o Declassification of materials and land during decommissioning of nuclear facilities.
o Operational Radiation Protection Technical Service.

Our philosophy: Total quality and constant commitment

We approach every project based on the principles of "Total Quality" and "just-in-time" operational efficiency, maintaining strong, trusting relationships with our clients.

With an optimistic outlook on the future, we continue to share knowledge, tackle new challenges and promote safe, responsible and innovative nuclear energy.

Over the course of these 30 years, we have focused our efforts on ensuring that the name **MARSEIN** is synonymous with RELIABILITY.

NFOQUE ADVISORY SERVICES, S.L. (NFQ)

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28009 Madrid
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E-mail: amparo.soler@nfq.es

Turnover(2025)	150 millones de €
Staff	2,000
Clients	Más de 150
Countries network	Más de 20

At **NFQ** we are an independent technology consulting firm based in Madrid with more than 15 years of experience supporting clients in highly demanding technological environments. With 100 % Spanish capital, a team of more than 2,600 professionals and presence in over 20 countries, we design and implement solutions that combine engineering, technology, advanced analytics and applied artificial intelligence.

Our purpose is clear: to transform complexity in strategic sectors into real opportunities for innovation, operational efficiency and sustainable growth.

Within **NFQ**, the Nuclear area represents the convergence of deep energy-sector expertise and a strong capacity to innovate responsibly and effectively. We cover the full spectrum of modelling, simulation and analysis of nuclear systems, delivering solutions that combine technical precision, forward-looking vision and adaptability to the evolving challenges of the sector.

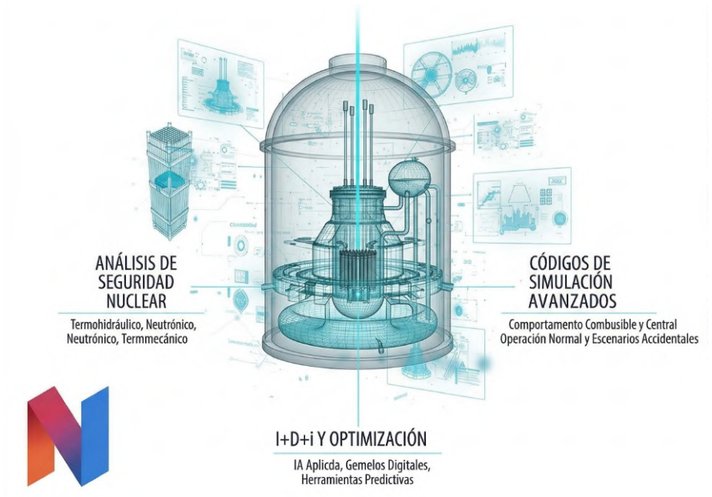
Our core specialization lies in the simulation of nuclear fuel and power plant behaviour, including control and safety systems, under both normal operating conditions and transient or accidental scenarios. This approach is built on three fundamental pillars: the development of safety-related analyses and calculations, a strong commitment to R&D as a driver of technological progress, and the mastery of advanced simulation codes to anticipate, optimize and improve nuclear operations.

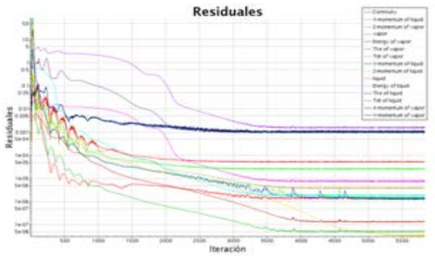
Our capabilities include:
- Thermal-hydraulic, neutronic and thermomechanical analysis
- Dynamic evaluation of complex systems
- Advanced system modelling and risk scenario simulation
- Development of digital twins and predictive tools
- Model adaptation and validation for full-scope simulators
- Calculation and optimization of nuclear parameters
- Technical simulation support for operator training

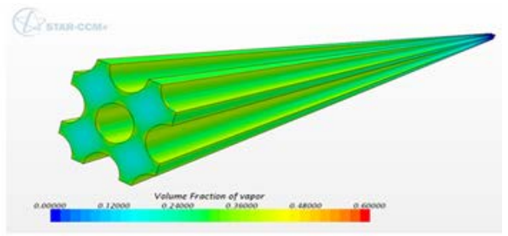
Our positioning is supported by a highly qualified team with strong technical foundations and expertise in modelling, simulation and nuclear analysis. Our professionals include PhDs in nuclear engineering, physicists and specialists with extensive experience in system dynamics, reactor physics and model validation.

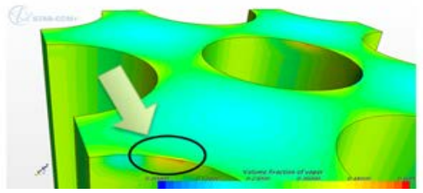
With more than a decade of experience in key projects within the sector, we currently work on 4 of the 7 operating nuclear reactors in Spain. Our track record includes collaborations with leading operators and institutions such as Iberdrola Generación Nuclear, CN Almaraz Trillo and the Spanish Nuclear Safety Council (CSN).

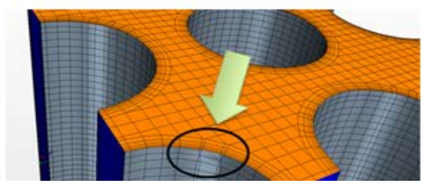
We work closely with plant engineering teams, contributing to emergency procedure analysis through full-scope simulators and specialized analytical tools. We also support operator training and the development of Probabilistic Safety Assessments (PSA), with models adapted to the specific scenarios of each facility.











Our expertise in scientific programming - including Fortran 77/90, Python, Matlab and other technical tools - allows us to develop tailored solutions using neutronic, thermal-hydraulic and thermomechanical codes, providing the flexibility required to solve complex technical challenges.

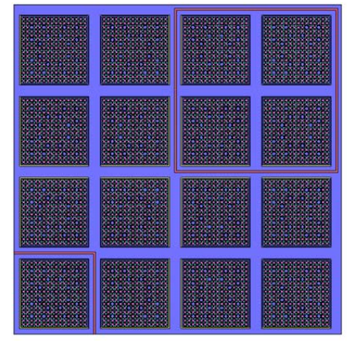
Our commitment to R&D drives the continuous development of advanced simulation and analysis tools, incorporating artificial intelligence techniques to optimize technical processes, support the analysis of complex nuclear documentation and strengthen response capabilities in areas such as radiological protection and nuclear emergency management.

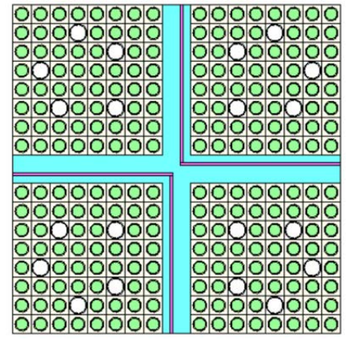
At the national level, we are active members of CEIDEN, the Spanish R&D platform for nuclear fission, participating in strategic working groups such as SIREN (Reactor Simulation), ATF (Advanced Fuels), SMRs (Small Modular Reactors) and KEEP+ (Knowledge Transfer).

Our R&D activities also extend to cutting-edge projects. We collaborate on multiscale simulations of the NuScale design together with Brookhaven National Laboratory (BNL) and Idaho National Laboratory (INL), participate in the European SMR Alliance and explore emerging applications of nuclear technology, including naval nuclear propulsion.

We also contribute to international benchmarks organized by the OECD Nuclear Energy Agency (NEA) and the International Atomic Energy Agency (IAEA), supporting the validation and standardization of nuclear simulation methodologies worldwide.

Looking ahead, at **NFQ Nuclear** we believe that the combination of expert knowledge, technological innovation and international collaboration is key to building a more resilient, efficient and future-ready nuclear sector.





TAMOIN, S.L.U.

Avda. Ribera de Axpe 50
48950 Erandio (Vizcaya)
E-mail: comercial@tamoin.com

Workforce	892
Engineers and Technical Staff	91
Works Managers and Foremen	83
Team Managers and Skilled Workers	718

TAMOIN, founded in 1956, is currently a company belonging to the GTM Group in constant evolution towards specialization in industrial services and focused on providing integrated solutions.

BUSINESS OBJECTIVE

TAMOIN is a reference company in the provision of industrial services, highlighting engineering, assembly and maintenance in all areas (mechanical, electrical and I&C).

The company's headquarters are located in Erandio, Vizcaya. It also has work centers in Zierbena and Petronor (Vizcaya), La Pobla de Mafumet (Tarragona), Puertollano (Ciudad Real), as well as continuity centers at the Almaraz, Trillo and Cofrentes nuclear power plants.

SERVICES, PRODUCTS AND TECHNOLOGY AVAILABLE

The services developed by **TAMOIN** are based on different business lines that include a wide experience in the energy sector, as well as the participation in important projects in the following areas:

- Engineering and Turnkey Projects.
- Assembly and Construction.
- Integral Maintenance.
- Applied Engineering.
- R&D+i.

The services performed by **TAMOIN** are structured around different sectors in which we have been working throughout our long career:

- Power Generation.
- Oil & Gas.
- Decarbonization.
- Industry.

ACTIVITIES AND REFERENCES

Throughout its 70-year history, TAMOIN has contributed to the realization of many of the most emblematic industrial projects and engineering works carried out at national level in the electrical, refining and petrochemical sectors.

TAMOIN's activity in the power generation sector is structured around the following lines of business:

- Assembly of Rotating Equipment: Gas and Steam Turbines.
- Maintenance of Rotating Equipment: Mechanical maintenance of steam and gas turbines, generators, auxiliary systems and other rotating equipment.
- Valve maintenance and engineering services (overhaul, repair and diagnosis)
- Piping works.
- Instrumentation and control installation and maintenance.

In the nuclear sector, **TAMOIN** has performed valve overhaul, repairand engineering services for major clients, including the following:

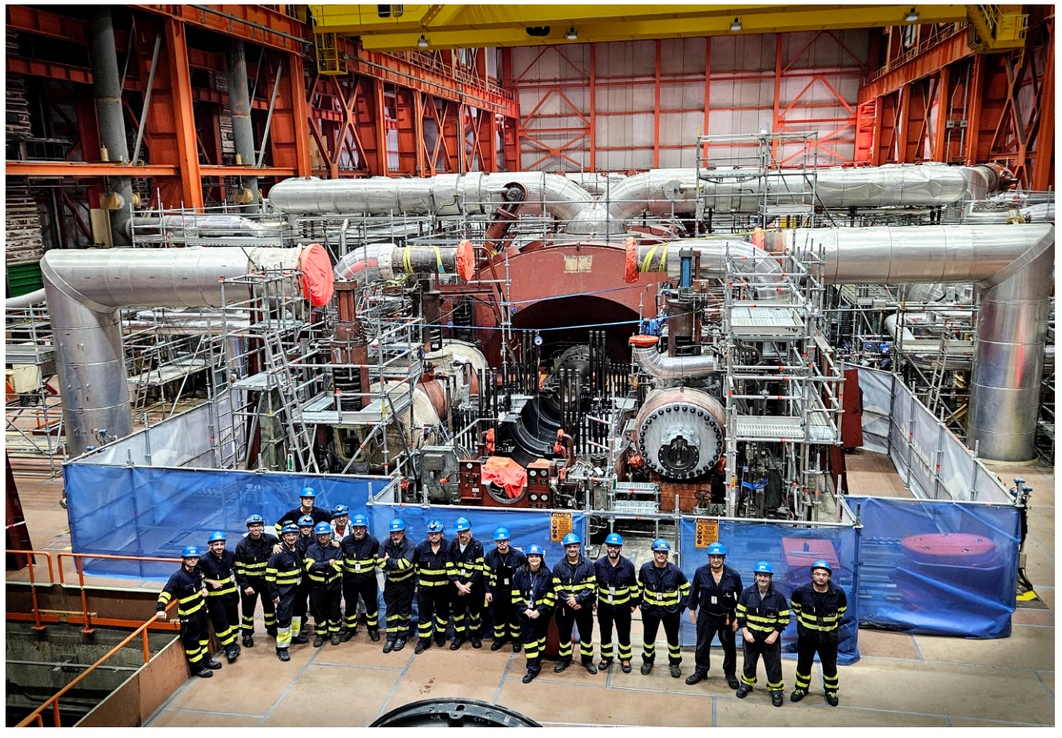
- In Spain: Nuclear Power Plants: Almaraz I & II, Cofrentes, José Cabrera, Santa María de Garoña, Trillo I, Valdecaballeros I & II, Vandellós.
- Abroad: Laguna Verde (México)

In this sector, **TAMOIN** not only works for the owners of nuclear power plants but also supplies its services to major technologists in the sector, including: Westinghouse, Tecnatom and Navantia, among others.

TAMOIN develops its services in the whole range of power generation plants, including the assembly and rehabilitation of large turbogroups in the hydroelectric sector, as well as historically participating in the assembly of turbines in numerous combined cycle and solar thermal power plants; where it continues to develop turbine maintenance services.

On an international level, **TAMOIN** has collaborated in power plant projects in Germany, Portugal, Peru, Ireland, United Kingdom, Bangladesh, Argentina and Mexico, among others.

TAMOIN has a workforce of approximately 900 highly qualified employees, with peaks of more than 1,000 people.



VIRLAB, Expertise in Vibrations and shocks. Testing Laboratory

An Urbar Ingenieros Group Company
Polígono Industrial Asteasu. Zona B, Nº 44
20159 Asteasu (Guipúzcoa, España)
Tel.: +34 943 691 500
E-mail: laboratorio@virlab.es

Turnover (2025)	3,025,000 €
% had a direct or indirect relationship with exportation	49 %
Volume of sales that comes from the nuclear sector (2025)	55,44 %
Staff	23 employees
Senior engineers (Engineers): Director, Lab Engineers & Sales Agent	14
Administrative staff / draftsmen	4
Other personnel	5

Established in 1976 within URBAR Ingenieros, a business group specialised in industrial vibration applications, **VIRLAB** is a testing laboratory accredited by ENAC since 1996 to perform vibration, according to accreditation no. 54/LE131, and is the only national laboratory authorised by the Spanish Nuclear Power Plant Owners Group to perform seismic qualification tests.

VIRLAB has the capacity to test all types of electrical and mechanical equipment, devices and instruments in a wide range of industrial sectors.

VIRLAB has its own proven test procedures, established in accordance with the requirements of international standards and the requirements of its customers.

VIRLAB is the European benchmark for vibration testing of electrical, mechanical and instrumentation equipment in sectors such as nuclear, non-nuclear seismic, railway, wind power, etc.

FACILITIES

- A 2,000 m² building comprising a laboratory, machining, and storage areas.
- 5 overhead cranes: 20 t overhead crane, 16 t overhead crane, 12 t overhead crane and 2 of 10 t.
- A hydraulic power unit driven by 2 motors of 40 HP and 4 motors of 50 HP, capable of delivering pressure of up 250 bar (210 bar, nominal pressure) and flow rates up to 640 l/min.
- A complete set of electrical, pneumatic, hydraulic and power supply installations so that the equipment can be tested under real operating conditions.

TESTING PLATFORMS

Biaxial oil hydraulic EDB 250

- Area of use: 2500x2500mm
- Actuators: 2x150kN
- Amplitude: ±125mm
- Maximum speed: 800mm/s
- Maximum acceleration: 6g (Horizontal)
- Frequency range: 0.1 to 200Hz

Biaxial oil hydraulic EDB 120

- Area of use: 1200x1200mm
- Actuators: 2x100 kN
- Amplitude: ±125 mm
- Maximum speed: 1,000mm/s
- Maximum acceleration: 10g
- Frequency range: 0.5 to 150Hz

Monoaxial electrodynamic, LDS 824 LS

- Area of use: 750x750mm
- Actuators: 27kN
- Amplitude: ±19mm
- Maximum speed: 1,500mm/s
  1,780mm/s (choque)
- Maximum acceleration: 60g
- Frequency range: 1 to 3,200Hz.

Horizontal Uniaxial Oleo-hydraulic EDH 400

- Area of use: 4,000x3,000 mm
- Actuator: 910 kN
- Amplitude: ±25 mm
- Maximum speed: 1,100 mm/s
  1,400 mm/s (choque)
- Maximum acceleration:10 g
- Frequency range: 1 hasta 200 Hz

Vertical Uniaxial Oleo-hydraulic EDV 400

- Area of use: 4,000x3,000 mm
- Actuator: 910 kN
- Amplitude: ±25 mm
- Maximum speed: 1,100 mm/s
  1,400 mm/s (choque)
- Maximum acceleration:10 g
- Frequency range: 0,1 hasta 200 Hz

INSTRUMENTATION

VIRLAB has data acquisition systems and associated measuring elements that alow it to analyse all types of variables: accelerations, displacements, deformations, stresses, etc. The instrumentation available in the laboratory is shown below.

Vibration controllers

For tests with up to 64 channels of type:
- Sinusoidal
- Random
- Shock
- Others

Signal monitoring:

- 2 Discontinuity Detectors
- 12 channels, (0.5-20 ms)
- 3 Data acquisition and data processing systems up to 200 kHz
- 3 Galvanic isolators up to 12 channels

Signal recorders

- 1 recorder of 32 input channels and 32 output channels
- 1 recorder of 24 input channels and 12 output channels

Vibration sensors

- 16 IEPE uniaxial accelerometers
- 20 IEPE triaxial accelerometers
- 32 piezoelectric accelerometers
- 1 laser sensor ±50 mm

Manometers

Pressure gauges:
- 1 Glycerin pressure gauge (0 - 250 bar)
- 1 digital manometer of 6.9 bar
- 2 40 bar digital pressure gauges

Current clamps
- 1 600 Aac/1000Adc clamp-3 300A clamps
- 2 clamps of 30Aac/30Adc i30

Pressure transmitters
Temperature transmitters
Digital tachometer

Others

- Automatic accelerometer calibration system
- 8.5 digit digital multimeter
- 6.5 digits digital multimeter
- 1000W/17A/200V-1500W/10A/150 V-1500W/5A/300V-0-35V/0.8A or 0-60V/0.5A dc power supplies

ACCREDITATIONS AND HOMOLOGATIONS

Our laboratory is accredited by the Spanish National Accreditation Body (ENAC) according to the criteria of the UNE-EN ISO/IEC 17025:2005 standard.

This accreditation is recognised in all the countries of the European Union. It is also applicable in the other countries belonging to the European Cooperation for Accreditation (EA) and in the signatory countries of the International Laboratory Accreditation Cooperation (ILAC).

TESTING STANDARDS

Accredited tests

- IEC/IEEE 60068-2-6: Vibration tests with sinusoidal excitation
- IEC/IEC 60980-344: Seismic testing for the qualification of safety-relevant equipment safety
- IEC/IEEE 60068-2-27: Shock tests
- IEC/IEEE 60068-2-64: Vibration test with random excitation
- IEC/IEEE 60068-2-57: Excitation tests by accelerogram method
- IEC/IEEE 60068-3-3: Seismic testing methods

Other tests

- IEEE 382: IEEE Standard for Qualification of Safety-Related Actuators for nuclear power plants and other nuclear facilities
- NT 100727 00 0111: TECHNICAL NOTE ECS project methodology for seismic qualification of Areva's equipment
- CRT91.C.112.00: Seismic resistance of equipment. Generic provisions for biaxial tests by means of EDF accelerograms.
- STD 7426E: TEST METHODS SISMIOUES for Areva equipment

RADIOACTIVE WASTE MANAGEMENT AND DECOMMISSIONING

Enresa

Radioactive waste management and decommisioning of nuclear instalations in Spain has adquired international prestige.

ENRESA

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Tel.: +34 915 668 100
E-mail: registro@enresa.es

The **National Radwaste Company, ENRESA,** is a public Company, stablished in 1984 with state capital, that plays an essential public service. Its mission is to collect, condition and store all the radwaste that is produced in Spain.

ENRESA is also in charge of dismantling the nuclear power plants whose activity has come to an end and of the environmental restoration of mines and uranium related installations, when so required by the authorities.

At present, **ENRESA** has a definitive radioactive waste disposal sit for very low, low and average activity, in El Cabril, with an expansion project underway, located in the town of Hornachuelos in Córdoba.

In relation to high-level waste, as at 31 December 2025 there were six Individualised temporary storage in operation and four in the process of building in different Spanish nuclear power plants.

Regarding the dismantling and decommissioning projects, in July 2023 **ENRESA** took over the ownership of the Santa María de Garoña Nuclear Power Plant (Burgos) to undertake phase 1 of its dismantling and decommissioning project.

In addition, the public company performs the final restoration phase of the dismantling of the José Cabrera Nuclear Power Plant (Guadalajara) and manages the Vandellós I nuclear installation (Tarragona), dismantled at level 2 and, currently, in a dormancy period.

EL CABRIL STORAGE CENTRE

Ctra. A-447 Km 17,8 (dirección Fuente Obejuna-Cazalla de la Sierra)
14740 Hornachuelos (Córdoba)
Tel.: +34 957 575 100 Fax.: +34 957 575 130

2024 data	
Total waste managed	2,442 m^3
Low and medium activity waste:	340 m^3
Very low activity waste	2,102 m^3
From hospitals, research centres and industry	54 m^3
From nuclear sites	2,384 m^3
From incidents	4
Number of expeditions	280
ENRESA staff	121 employees

DISMANTLING

José Cabrera Nuclear Power Plant
19118 Almonacid de Zorita (Guadalajara)
Tel.: +34 949 750 489
E-mail: prensa@enresa.es

Vandellós I Nuclear Power Plant
Ctra. N-340, Km 1123,7
43890 L'Hospitalet de L'Infant (Tarragona)
Tel.: +34 977 818 500 Fax.: +34 977 818 527
E-mail: cevisva@enresa.es

Santa María de Garoña Nuclear Power Plant
Ctra. BU-530, Km 16-17
09212 Santa María de Garoña
Valle de Tobalina (Burgos)
Tel.: +34 947 349 400
E-mail: visitas.garona@enresa.es

Nuclear Power Plant Data	Vandellós I	José Cabrera	Santa María de Garoña
Type of reactor and power	Graphite-Natural Uranium. 480 MWe	PWR. 160 MWe	BWR. 466 MWe
Reactor shutdown	1989	2006	2012
Years of operation	17	38	41
Total materials managed	96,630 Tn	140,024 t	754 t
* Conventional materials	84,894 Tn	22,132 t	382 t
* Declassidfied materials	9,973 Tn	96,848 t	0
* Radwaste	1,763 Tn	21,043 t	374 t
Dismantling period	1998-2003	2010-2027	Phase 1: 2023-2027
Current dismantling status	Latency	Execution of restoration plan	Execution Phase 1
Average workforce in dismantling	323 employees	218 employees	243 employees
ENRESA workforce	12 employees	9 employees	30 employees

*Accumulated until December 31, 2025

WEB DIRECTORY

A

Almaraz I and II Nuclear Power Plant	www.cnat.es
Amphos 21	www.amphos21.com
Ascó Nuclear Power Plant	www.anav.es

C

CEN Solutions	www.censolutions.es
Cofrentes Nuclear Power Plant	www.cncofrentes.es
Coapsa Control, S.L.	www.coapsa.com

E

EDP	www.edpenergia.es
Empresarios Agrupados - GHESA	www.empresariosagrupados.es
Endesa	www.endesa.com
Enresa	www.enresa.es
ENUSA, Industrias Avanzadas S.A., S.M.E.	www.enusa.es
Enwesa Operaciones, S.A.	www.enwesa.com
Equipos Nucleares, S.A., S.M.E.	www.ensa.es
Eulen - Proinsa	www.eulen.com

G

GD Energy Services	www.gdes.com
GE Vernova Hitachi Nuclear Energy	www.gevernova.com

I

Iberdrola	www.iberdrola.es
IDOM Consulting, Engineering, Architecture, S.A.U.	www.idom.com
Ingecid	www.ingecid.es

K

Konecranes	www.konecranes.com

M

Marsein	www.marsein.com

N

Naturgy	www.naturgy.com
Newtesol, S.L.	www.newtesol.com
Nfq	www.nfq.es
Nusim, S.A.	www.nusim.com

S

Samson Ringo	www.sansonringo.com
Spanish Nuclear Industry Forum	www.foronuclear.org

T

Tamoin	www.tamoin.com
Trillo Nuclear Power Plant	www.cnat.es

V

Vandellós II Nuclear Power Plant	www.anav.es
VIRLAB, Expertise in Vibrations and shocks. Testing Laboratory	www.virlab.es

W

Westinghouse Electric Spain	www.westinghousenuclear.com