



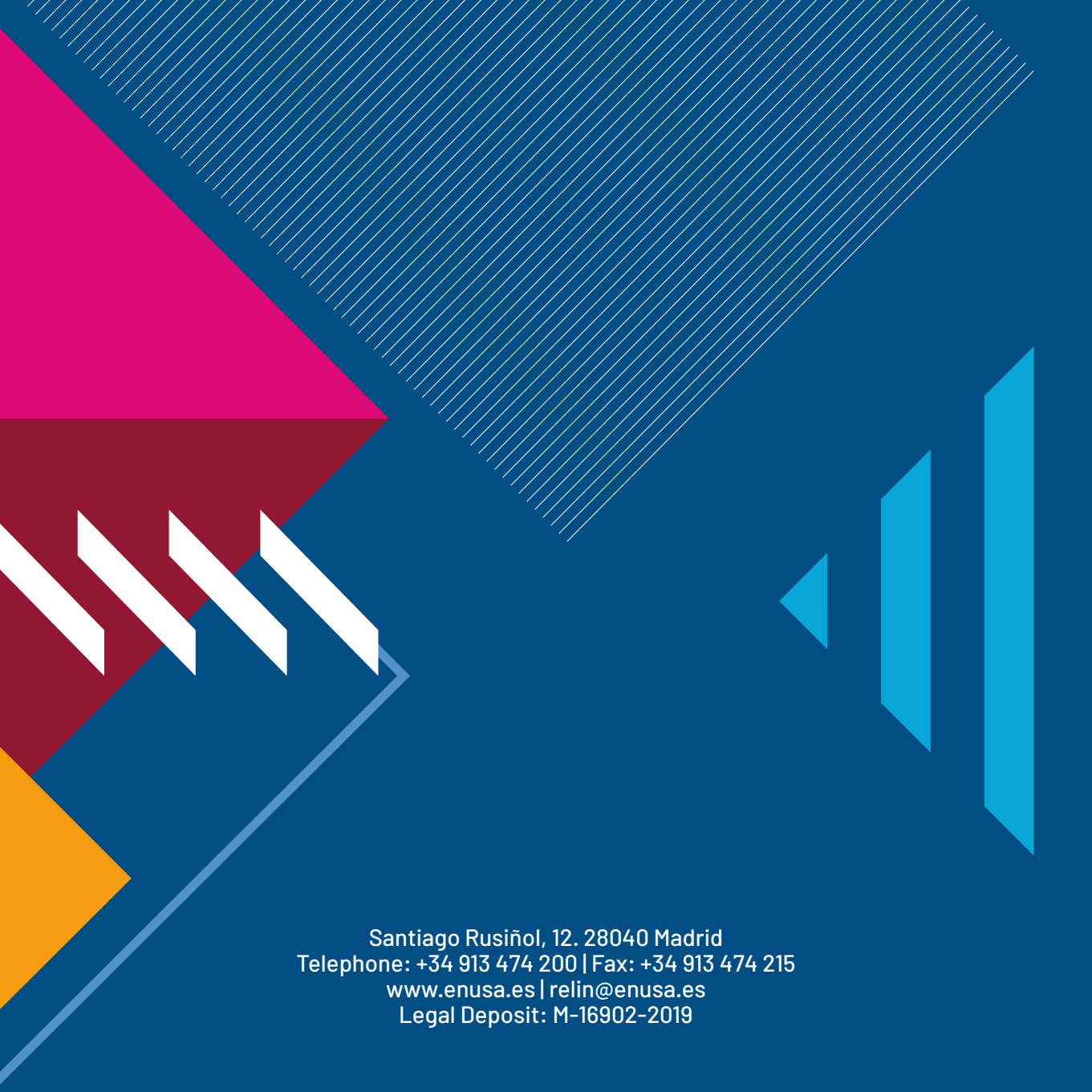
ANNUAL REPORT

SUMMARY DOCUMENT

2018



grupo  enusa



Santiago Rusiñol, 12. 28040 Madrid
Telephone: +34 913 474 200 | Fax: +34 913 474 215
www.enusa.es | relin@enusa.es
Legal Deposit: M-16902-2019



Letter from the chairman & CEO

"I am aware that the future will be sustainable and that it cannot do without Gender Equality, therefore we are working together with the Government to achieve our Sustainable Development Goals and to make the best decisions in order to improve the lives of future generations in a sustainable way."

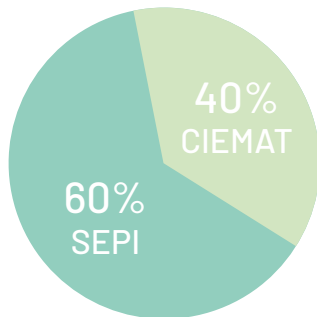
José Vte. Berlanga Arona
Chairman & CEO





Corporate Governance

The ENUSA Group consists of the parent company ENUSA INDUSTRIAS AVANZADAS, S.A., S.M.E. (hereinafter, ENUSA), and its subsidiary companies ETSA and Emgrisa.



The ENUSA Board of Directors is composed, as of 31 December 2018, of 11 members: the Chairman –the only executive member who in turn presides over the Executive Committee–and 10 board members, of which two are proprietary directors and the remaining are independent. It is composed of 5 women and 6 men.



Mission, vision and values of ENUSA

MISSION

To provide to society, on a continuous, long-term basis, first-rate, competitive and safe products that enable professional and human development, environmental protection and an adequate return.

VISION

It is based on business lines in technology and service areas developed on the basis of structural capabilities in nuclear and radioactive material treatment and management, which combine mature markets with other emerging markets with a major growth potential.

VALUES

Prioritized attention to safety, quality and the environment. Attention, confidence, understanding and respect for people. Training. Teamwork spirit. Leadership, innovation, professionalism and honesty. Perseverance in work and a desire to excel. Transparency and constructive self-criticism. Participation, commitment and communication.

The social contribution of ENUSA's business project is the product of its commitment to innovation, sustainable development and gender equality and diversity



Ethics and integrity

Integrity in an organization involves a comprehensive, ongoing effort to ensure ethical and legal behaviour. The following instruments stand out as part of integrity management within the ENUSA Group:

CODE OF CONDUCT

This is the key element that identifies the standards of conduct that the ENUSA Group wants to observe in all its company activities. This Code is the declaration of a set of principles and values of corporate conduct; it is a written reflection of a public commitment by the ENUSA Group to these principles and values. It is a more demanding standard of conduct than that defined by the applicable legislation in the different countries where it conducts its business.

MODEL FOR CRIME PREVENTION

ENUSA, Emgrisa and ETSA have in place their respective Organization, Management and Control Model for Crime Prevention and its complementary Protocols:

- ▶ Anti-corruption Protocol.
- ▶ Action Protocol in case of Detection of Irregularities.
- ▶ Reporting Channel Protocol.

The Supervisory Body is responsible for managing complaints / suggestions received by the Group through the two existing channels: channel for denunciations and channel for suggestions.



GLOBAL COMPACT

The ethical management of ENUSA Group is based on the demands of the United Nations Global Compact, of which the three companies are signatories, being ENUSA a founding partner since 2002.



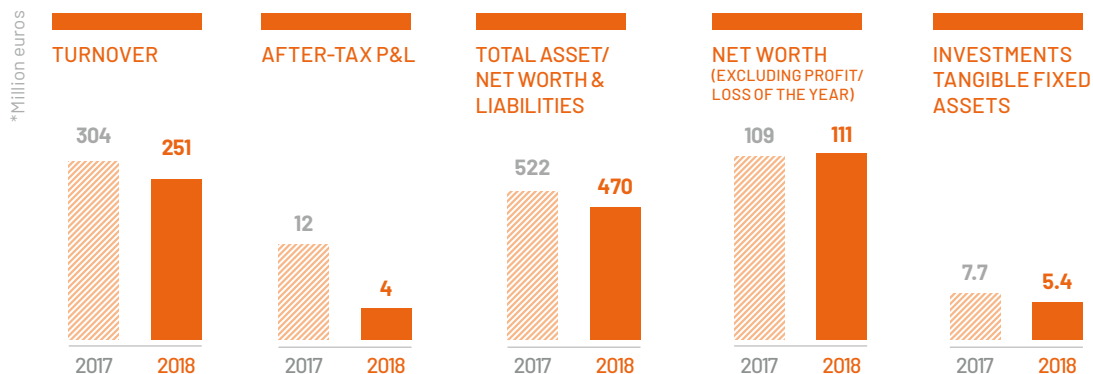
Transparency

The full enforcement of Law 19/2013 on Transparency, Access to Public Information and Good Governance marked the beginning of the transformation of the public sector towards a greater openness and accountability. The websites of the companies that make up the ENUSA Group include a section devoted to the Transparency Portal, which makes available to all interested parties information on its activities.





Main economic quantities



ADDING VALUE TO OUR COMMUNITIES

ENUSA has a close relationship with the province of Salamanca since two of its work centres are located there: the Juzbado fuel assembly factory and the Saelices El Chico Centre.

The ENUSA Group develops activities focused on generating value and positive influence

Through its operations, ENUSA provides added value to the region's economy:

	2018
SUPPLIERS	5,172,789
CUSTOMS	842,037
TAXES & OTHER EXPENSES	289,749
VISIT EXPENSES	49,345
PAYROLL & SS	20,751,556
TOTAL	27,105,476



Business areas

NUCLEAR BUSINESS

Activities relating to the nuclear cycle that are marketed both nationally and internationally:

SERVICES:

- ▶ Uranium Supply.
- ▶ Design and Engineering.
- ▶ Spent fuel.
- ▶ Manufacturing of fuel assemblies.
- ▶ On-site fuel services.
- ▶ Transport through the subsidiary ETSA.

PRODUCTS:

- ▶ Fuel assemblies PWR (for pressurized water reactors) and BWR (for boiling water reactors).
- ▶ Fresh and irradiated fuel manufacturing and inspection equipment.

ENVIRONMENTAL BUSINESS

Services for preserving the environment and ensuring an efficient use of energy. Emgrisa is the environmental brand of the ENUSA Group.

- ▶ Waste treatment and management.
 - Hazardous and Non-Hazardous.
 - Municipal Solid.
 - Agricultural, Livestock and Agro-industrial.
- ▶ Characterization and treatment of contaminated soils and groundwater.
- ▶ Engineering and environmental consultancy.
- ▶ Radiological studies.
- ▶ Reclamation of former mining installations.

Digital transformation and R&D&I, fundamental axes of the ENUSA Group business

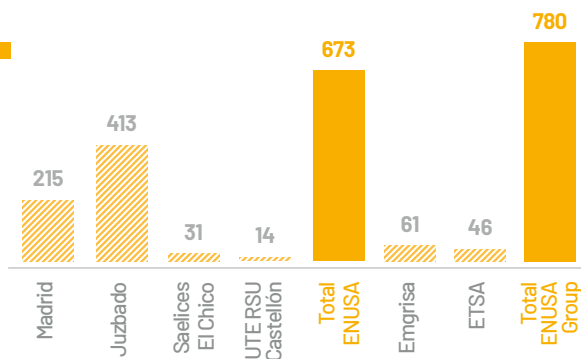




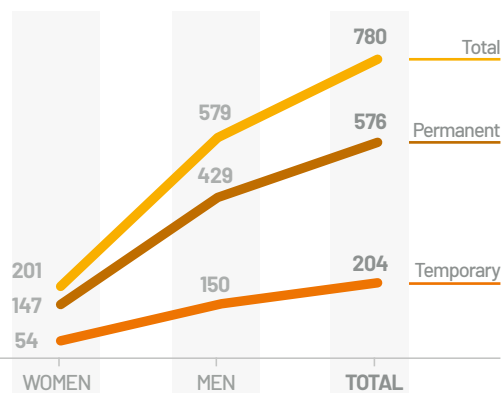
Human capital & training

The ENUSA Group
employs 748
professionals

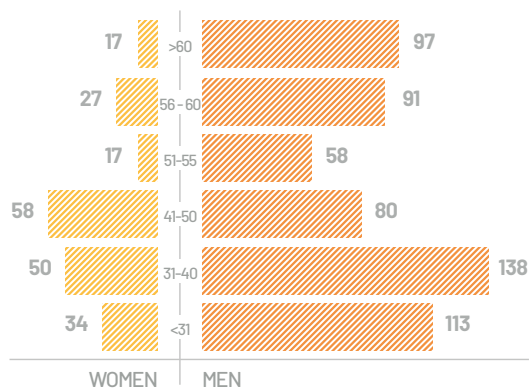
ENUSA GROUP
STAFF



ENUSA GROUP STAFF ACCORDING TO
LABOUR CONTRACT AND SEX

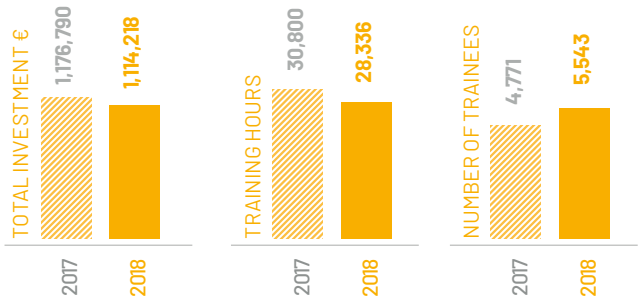


ENUSA GROUP STAFF ACCORDING TO
AGE GROUPS AND SEX

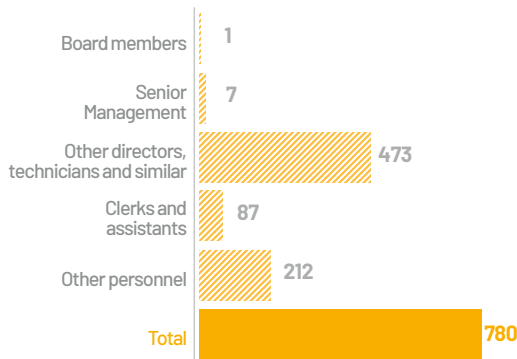


The ENUSA Group has invested more than €1M in training

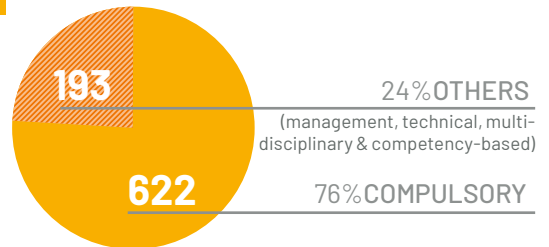
ENUSA GROUP TRAINING



ENUSA GROUP STAFF ACCORDING TO PROFESSIONAL GROUPS



NUMBER OF COURSES BY TRAINING PLANS



Data at 31 december 2018. The information referring to the UTE RSU Castellón is reflected only for accounting consolidation, since its personnel is contracted directly by the UTE and not by ENUSA.

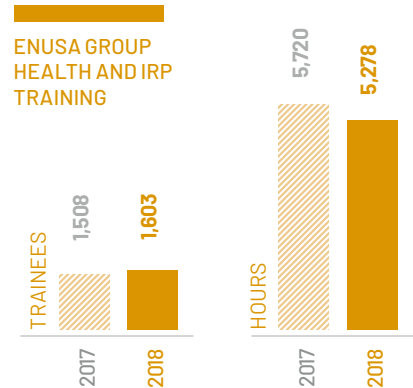


Occupational health and safety

Safety is our priority

Worker health and safety is an absolute priority for the ENUSA Group. Training, information, prevention and development of new processes will always result in less exposure of workers to the risks inherent in their job posts.

The ENUSA Group monitors the health of its employees on a preventive basis and strives toward zero accidents through its Industrial Risk Prevention Plan. Although the accident rates in ENUSA are low in comparison to the industry, the measures aimed at minimizing them have been strengthened.





IN 2018:

- ▶ 82 people in training and use of cardiopulmonary resuscitation techniques and automatic external defibrillators.
- ▶ A total of 7,035 consultations have been tended.

SAFETY CULTURE AND HUMAN FACTORS

To meet the demanding requirements, it is essential to ensure the absence of incidents or accidents that affect Nuclear Safety, Physical and Radiation Protection and Industrial Risk Prevention. Some of the most important milestones achieved in 2018, as part of the actions defined within the Organization and Human Factors Programme are the activities in the Work Management area, reinforcing the Supervisor's role in the running of facility activities through sessions with the Supervisor group, Head of Safety Management, Head of Licensing and Self-evaluation of Operations.

Since the end of 2016, ENUSA has been certified as a Healthy Company – Healthy Integrated Management System (SGIS)



Quality

For the ENUSA Group, quality is a strategic factor and basic mainstay in all its activities, and it adopts a proactive role in the implementation and development of management and continuous improvement systems.

The company is very strict about quality and continuous improvement, especially taking into consideration the features of the products and services it provides, since 100% of them are subject to exhaustive regulations and procedures in force to comply with the requirements of the Regulatory Bodies.

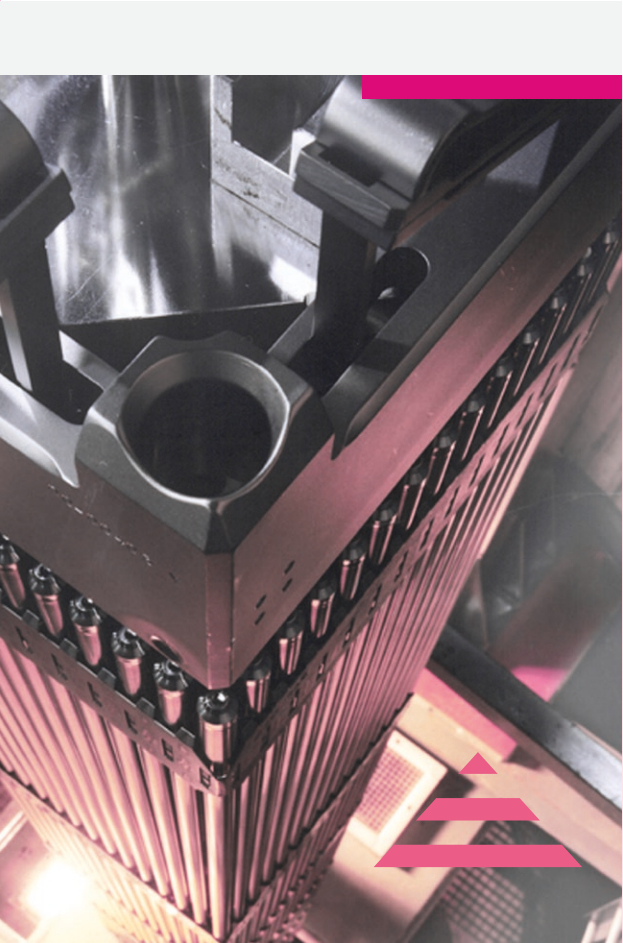
Improvement Plans have been developed in the main processes: manufacturing, on-site fuel services, design, supplies, information systems.

AUDITS

INTERNAL AUDITS PERFORMED	10 Quality Management
	1 Environmental Management
	8 Management
EXTERNAL AUDITS RECEIVED	9 Quality Management
	3 Environmental Management
SUPPLIER AUDITS	10

In 2018, a total of 11 Quality Operating Groups have been launched

174 suppliers have adhered to the Code of Conduct for Suppliers and Subcontractors, committing to basic principles of ethics and professional conduct



SUPPLY CHAIN

ENUSA carries out a rigorous procedure of evaluation and qualification of supplier goods and services that affect the product quality and/or the safety of the facility.

ACCREDITATIONS AND CERTIFICATIONS

ENUSA	ISO 9001:2015
	ISO 14001:2015
	European Regulation EMAS III
	ISO 17025:2005
Emgrisa	ISO 17020:2012
	ISO 9001:2015
	ISO 14001:2015
	ISO 5001:2018
ETSA	ISO 9001:2015
	ISO 14001:2015



Environmental management

2019 ENVIRONMENTAL OBJECTIVES

- ▶ Fine-tuning of the gamma spectrometer for declassification.
- ▶ Assembly of the activity control system in effluents (isokinetic probes) of UO₂ area.
- ▶ Shipment of packages of plastic bags to SFL for recycling.
- ▶ Generating 1,000 MWhe of renewable energy from biogas from ENUSA's biodigestion plant in Juzbado for discharge into the distribution network.
- ▶ UTE RSU Castellón: Preparing the Base Soil Report.

The ENUSA Group strictly controls the impact that its industrial activities have on the environment

ENUSA'S GREENHOUSE GAS EMISSIONS (t CO₂)

	2017	2018
Direct	608.06	608.61
Indirect	4,071.58	3,794.33
Electric power consumption	3,207.5	2,867.26
Transport of personnel, goods and services	864.08	927.07
TOTAL	4,679.64	4,402.94

WASTES MANAGED BY ENUSA GROUP (kg)

	2017	2018
Hazardous	74,061.31	39,663
Inert	496,322	363,520
Recyclable urban-assimilable	44,756,5	32,790.5
Solid Urban Wastes	23,348,2	21,566.8
Leachates	3,038,050	1,170,890

ENUSA'S ENVIRONMENTAL EXPENSES AND INVESTMENTS (€)

	2017	2018
	4,820,374	5,821,802



Communication and stakeholders

- ▶ Design of logos and a promotional catalogue for the Equipment Development Area
- ▶ Publishing of an informative video about the manufacturing process carried out in the Juzbado plant
- ▶ Reorganization of the Communication Area in order to apply the technological transformation to our processes and channels.

In 2018 we continued to use our usual channels of communication as well as some recently implemented ones:

- ▶ "ENUSA Nuclear Fuel" news bulletin.
- ▶ Welcome manual.
- ▶ Corporate intranet.
- ▶ ENU-Agenda.
- ▶ relin@enusa.es Email.
- ▶ "Comunicación Interna" Email.
- ▶ Corporate communications and information to our internal and external stakeholders.
- ▶ Corporate Website.
- ▶ B2B customer portal.
- ▶ Twitter, YouTube, and Google +.

The ENUSA Group is committed to a transversal, interactive and digital approach to communication as a cultural lever of our digital transformation process

REGULATORY BODIES

PUBLIC ADMIN.

HUMAN RESOURCES
Staff Worker's Committees

PARTNERS
Technological Business

CUSTOMERS

SHAREHOLDERS



SUPPLIERS

COMMUNICATION MEDIA

ACADEMIC INSTITUTIONS

SOCIETY
Local Communities
Workers' Committees
NGOs and Civil Organizations

PROFESSIONAL ORGANIZATIONS AND ASSOCIATIONS



Milestones 2018

In 2018, ENUSA has signed the largest contract for the supply of fuel and associated services since its creation, by scope and number of refuellings



NUCLEAR BUSINESS

- ▶ ENUSA continues to meet its procurement objectives in time and form.
- ▶ There has been a change in trend in the prices of the uranium market.
- ▶ Extension of the GENUSA agreement and the license with GEH/GNF until 31/12/2024.
- ▶ Signing of the agreements with the 5 PWRs (Ascó I and II, Almaraz I and II and Vandellós II) for the supply of fuel and associated services until 2027.
- ▶ Signing of the contract to supply fuel to Olkiluoto Nuclear Power Plant in Finland until 2038.
- ▶ Signing of the collaboration agreement with Westinghouse for the development of ATF fuel (Accident Tolerant Fuel) and execution of the first projects.
- ▶ Signing of the contract with Vattenfall to supply fuel to Forsmark 1 and 2 for the period 2020-2023.



JUZBADO FUEL ASSEMBLY FACTORY

276,347 tons of enriched uranium (tU) produced:

- 69% earmarked for export to France, Belgium and Germany.

615 fuel assemblies manufactured:

- 557 for pressurized water reactors (PWR).
- 58 for boiling water reactors (BWR).

- ▶ The requirements of the Complementary Technical Instructions and the commitments acquired with the Nuclear Safety Council (NSC) were fulfilled in due time and form as a result of the renewal of the Permits for Manufacture, Exploitation and Physical Protection granted in 2016 by the MINETAD.
- ▶ 62 plant inspections carried out by the NSC, 22 for the basic plan and 40 under the strengthened inspection plan.
- ▶ Investment in the plant: 3.339 €M.

ETSA

- ▶ Shipments in relation to nuclear medicine and other radioactive products: 51,785 (more than 144,000 radioactive loads).
- ▶ Shipments in relation to nuclear industry: 576.
- ▶ Chemical products in tanks: 2,345.

ENVIRONMENTAL BUSINESS

Emgrisa:

- ▶ Promotion of the strategic plan 2018-2020, with the integral environmental project as focus of the activity.
- ▶ Company's drive towards internationalization. New subsidiary in Chile. 12% of the total turnover was abroad.
- ▶ Extension of new services: biogas management, water management and expansion of Autonomous Communities customers.
- ▶ Increase in waste management by 14,354 Tm compared to 2017.

Biogas Plant, Juzbado:

- ▶ 9,142 tons of waste treated.
- ▶ 1,033,194 kWh of energy sold.
- ▶ 2,283,909 kWh of energy supplied to the Juzbado Factory.
- ▶ 7,271 tons of liquid digestate used as liqued fertilizer digestate (t/a).
- ▶ 2,852 hours of operation.

Cervera del Maestre Municipal Waste Treatment Plant:

- ▶ 86,269 tons managed:
 - 9,443 tons recovered as revalorized material.
 - 2,114 tons of bio-stabilized material.
- ▶ Incorporation of new populations (large producers of Benicarló, Vilanova d'Alcolea, Benlloch, Coves de Vinromà and La Torre d'en Doménec) to the selective collection of organic matter.

Saelices el Chico Centre:

- ▶ The dismantling activities of the Saelices el Chico mine continue as well as the work toward environmental restoration and the disposal of acid waters through the Tekura project.