

THE PLANT

Ensa operates a modern facility specifically designed to manufacture and ship the largest components required by the Nuclear Plant owners.

The plant started operations at the end of 1976 and is located at Maliaño (Cantabria), on the northern coast of Spain. All the machinery and equipments have been revamped with the most up dated technology of the market. The plant covers 150,000 sq. m. and its location allows shipping on ocean-going vessels from Ensa's private dock, with a handling capacity of 1300 t.

The three production bays cover an area of almost 22,000 sq. m. They are connected by two sets of rails with three auxiliary buildings: Stress Relieving Furnace, Shotblasting Chamber and the Linear Accelerator. The rails also provide connection within the three bays of the Factory.



EQUIPOS NUCLEARES

Head Office:

José Ortega y Gasset 20-5º
28006 Madrid, Spain

Phone: +34 91 555 36 17

Fax: +34 91 556 31 49
commercial@ensa.es

Facility:

Avda. Juan Carlos I, 8
39600 Maliaño, Cantabria, Spain

Phone: +34 942 20 01 01

Fax: +34 942 20 01 48
commercial@ensa.es

www.ensa.es



NUCLEAR EQUIPMENT & SERVICES

EQUIPOS NUCLEARES

THE COMPANY

Ensa, Equipos Nucleares S.A., was created in 1973 to design, build and operate an industrial plant to undertake the manufacturing of primary components of Nuclear Steam Supply Systems of any type of reactors.

The latest Design, Manufacturing Codes, Quality Assurance, HuP, Safety, Environmental, Customers requirements and expectations are guides to manage the Company and to indoctrinate and train the staff, to guarantee the improvement of technology and process applications to supply the high quality of the products.

Over the years Ensa has delivered different heavy components (reactor pressure vessels, steam generators, pressurizers, core structures) in collaboration with the main international reactor vendors for nuclear power plants all over the world.

Ensa is also supplying owned and other designs of spent fuel storage and transportation systems as racks and casks. A Services Division was launched in 1980 to offer special capacities in the areas of maintenance, site repairs, modifications, retrofits, installation works, waste treatment, conditioning area and high experience in the new market of decommissioning and dismantling nuclear and radioactive facilities.

Passion for
improvement

PRODUCT LINES

Ensa main product lines is specialized in manufacturing high quality components of the Nuclear Steam Supply System of Nuclear Plants. Other product lines include smaller items for nuclear reactors, components for storage and transport of spent fuel assemblies and the design, supply and installation of equipment for radioactive waste management.

In the field of services, Ensa offers special capacities to the Plants in the areas of site repairs, modifications, retrofits, installation work, maintenance, waste treatment and the market of decommissioning and dismantling nuclear and radioactive facilities.

The Advanced Technology Center (ATC) is leading Ensa technological capacity with a permanent plan of improvements and R&D+i programs with significant implementation of latest techniques on welding, robotic, automatic and advanced control systems to guarantee processes, quality and schedules.

The ATC is also offering to the market services on metrology and calibration of equipment and machines, metallurgy, metallography and mechanical tests, chemical analysis, NDE examinations and different solutions in the area of robotics and automation.

Nuclear Components:

Reactor pressure vessels, steam generators, pressurizers, core structures, main coolant piping, supports, tanks of different types, fuel element hardware, etc.

Elements for spent fuel storage and/or transport:

Owned tailor-made design and license solutions for high density racks for wet storage, spent fuel transport and storage casks, spent fuel storage canister and overpacks, handling casks systems at site.

Other products:

Components for research centers and development programs.

Technology Services:

Analytical engineering, special projects, robotic applications, laboratory services.

SERVICES AREA

Plant Maintenance:

Nuclear and conventional plant maintenance.

Radwaste Treatment-Conditioning and Decommissioning of nuclear and radioactive installations:

Supply of equipment and services, cutting and disassembly of equipments, decontamination, treatment and conditioning of waste.

