

# COMPLEX PROBLEMS SMART SOLUTIONS

A team of exceptionally capable engineers who are passionate about the challenges presented by the development of high impact solutions.



Project  
Management



Structural  
Engineering



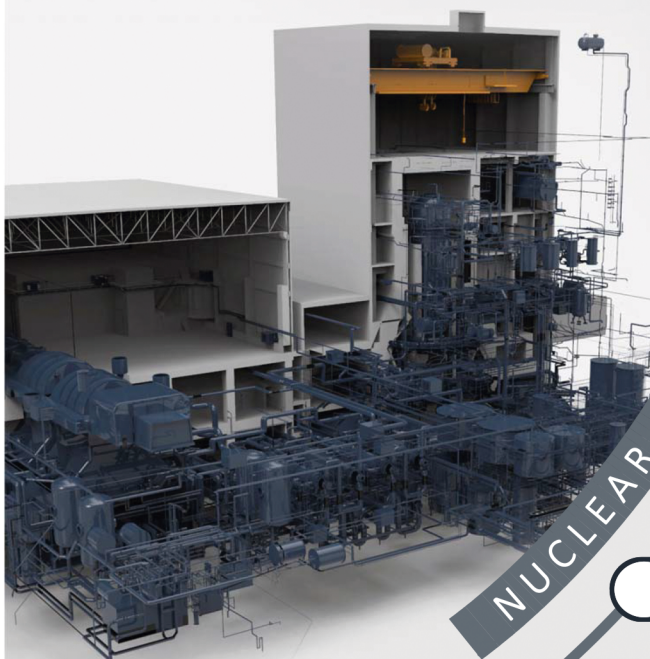
Nuclear  
Engineering



Design BIM  
Engineering



Software  
Development



NUCLEAR CAPABILITIES

DECOMMISSIONING

DIGITALIZATION

IMPLEMENTATION

LICENSING

SPECIALIZED ENG. STUDIES

DESIGN & CONSTRUCTION

PLANNING





INGECID is an **engineering company specialized in the nuclear sector** that was founded in 2009, as a spin-off of the Construction Technology Research Group in the Civil Engineer School of Santander, in the University of Cantabria (Spain).

The main business areas are focused on **Nuclear Engineering, Software Development, Design and BIM Engineering, Project Management and Structural Engineering.**

INGECID's work philosophy is based on multidisciplinary teams with the combination of knowledge from different technical areas, giving added value to all services offered.

INGECID has obtained the corresponding certificates whose scope encompasses research, development and innovation in civil engineering projects in the field of renewable energies and in the field of nuclear energy. Additionally, INGE CID has been certified according to the Standards UNE 73401:1995. The scope of the certificate is "Design and development of projects and technical reports in the fields of structural and radiological engineering". The Quality Assurance System focuses on all the safety related activities that Ingecid develops in the field of Nuclear Facilities, complying with the requirements in the NQA-1 2008/09a Standards for the development of the offered design work



## INGECID NUCLEAR SERVICES

Our services in the nuclear sector cover **from conceptual design to decommissioning of nuclear facilities**, with experience in all nuclear power plants in Spain and in different international projects both in Europe and America. The scope of services includes nuclear consultancy, design and engineering, radiological protection and waste management, decommissioning, digital transformation, BIM implementation, software development, etc.

### DECOMMISSIONING

Extensive experience in engineering tasks, **participating in the decommissioning engineering of the Santa María de Garoña Nuclear Power Plant in Spain** as well as in the development of a **new software (VIRCORE)** for decommissioning and waste management, together with a BIM model of the entire nuclear power plant, achieving a collaborative and centralized system.

### WASTE MANAGEMENT

High experience in low and medium level waste, where Ingecid has developed **waste management plans and projects for clearance of materials**; and in high level waste management where Ingecid has worked on **design projects** for spent fuel casks for internationally recognized companies as well as in the **licensing processes** for storage systems (casks) and storage facilities (ISFSI).

**VIRCORE** Ingecid has developed Vircore software to fully exploit digitalisation in nuclear power plant decommissioning and waste management. Within Vircore, new BIM methodologies can be combined with decommissioning modules such as physical inventory, radiological characterisation, etc. In addition, the software allows waste packages management and features a module called COATI to assist in spent fuel management.