

NEW SOLUTIONS MORE EFFICIENT IN THE DESIGN OF NUCLEAR FUEL CONTAINERS THROUGH COMPOSITE MATERIALS (SOLECOM) (RTC-2016-5637-3)

The Project Solecom is funded by the Spanish Ministry of Economy, Industry and Competitiveness:



And the European Fund for Regional Development, whose objective is “to promote the technological development, innovation and quality research”



PRESENTATION

The Project “New solutions more efficient in the design of nuclear fuel containers through composite materials (SOLECOM), is funded by the Ministry of Economy and Competitiveness and the European Fund for Regional Development (FEDER).

The Company ENSA, Nuclear Equipment in Spanish, in the light of its internal strategic projects has the aim to develop a storage system of concrete containers for used fuel of nuclear power plants.

Taking as starting point the work developed by ENSA, and in collaboration with INGENIC and UNICAN, the general objective of the Project is the development, up to detail level design, of a system for the storage of fuel with high burn degree coming from nuclear power plants in concrete containers, what will provide the nuclear industry of a more efficient solution that improves the storage safety in the long term, with Spanish technology and with competitive costs with the existing solutions.

PARTNERS



EQUIPOS NUCLEARES, S.A. (NUCLEAR EQUIPMENT Ltd.) was created in 1973 to provide with the main equipment of the primary circuit of energy generation systems of nuclear origin, independently from the type of plant or system chosen. ENSA has huge experience in the field of used and fresh fuels.

From 1985 has provided containers with multiple technologies, including own designs, giving their clients a full service from the conceptual design to the operation and load in plant.



INGECID Investigación y desarrollo de proyectos S.L. comes up as a spin-off from the Construction Technology Research Group (UNICAN), from the Engineering School of the University of Cantabria. Within the mentioned group of R+D+i a team of professionals has come up along the last years, with a multidisciplinary concept. INGECID is a Construction Engineering Company offering a full service, from the definition of innovative construction processes to the structural design of detail or the Project management and whose corporative values focus on the constant innovation, commitment to quality and service to clients.



The **group GITECO** is part of the **Department of Transports and Technology of Projects and Processes** of the University of Cantabria. The capacity and research potential of the group not only is supported by their team but also by the experience and results shown in the last years, mainly obtained through projects in collaboration with companies.

These projects have made the realization of a wide transfer of technology possible mainly through national and international patents, industrial designs, utility models, manuals, processes improvement, etc., all of them in collaboration with companies.

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