The DONES-TCO joint venture moves forward to the second phase of the IFMIF-DONES VATIST project

The joint venture formed by Asturfeito, Empresarios Agrupados Internacional and Ingecid has successfully completed the design phase of the IFMIF-DONES VATIST project. The contract, tendered and managed by Centro para el Desarrollo Tecnológico y la Innovación (CDTI) is structured in three phases. Having completed the design phase, the consortium is now initiating the next contract phase, which includes the manufacture, assembly and testing of the equipment. The consortium also includes ESS Bilbao as a partner, providing its recognized technical expertise in large vacuum components for scientific infrastructure.

This new milestone represents significant confirmation of the work carried out by the consortium and enables a new stage of this strategic equipment for the future of fusion technology.

The VATIST project aims to develop the technology validator for the IFMIF-DONES test cell, a scientific infrastructure located in Granada and designed to support the development of nuclear fusion energy. Its purpose is to contribute to the validation of materials and technologies intended for future fusion facilities, within the framework of one of the most significant scientific developments in this field.

The scope of the project awarded to the joint venture includes the design, manufacture, assembly and testing of the validator, comprising the vacuum vessel, the lithium target, the radiation shielding, the service systems and the equipment control system. In addition, a support structure will be designed and built to support the entire validator assembly, enabling integrated testing to be carried out.

The start of this second phase marks the beginning of a new stage in the project's development and reinforces the consortium's capacity to tackle highly complex technological and industrial developments in the field of large-scale scientific infrastructure, such as fusion technology.

The contract is funded by the European Regional Development Fund (ERDF) 2021–2027.