

The INNO4GRAPH project will hold its international symposium to present innovative tools for the dismantling of graphite reactors

After more than three years of intense work, the INNO4GRAPH project will hold its final symposium on 19 October 2023 at the EDF Industrial Demonstrator in Beaumont-en-Véron, France. The project, funded under the Euratom Research and Training Programme and coordinated by EDF, developed and demonstrated a set of physical and digital tools and methods for dismantling graphite-moderated nuclear reactors.

More than 120 experts of the graphite nuclear sector from around the world are attending the event to learn about the project results and exchange knowledge on graphite nuclear deconstruction. The first part of the symposium will be dedicated to the presentation of the EDF Industrial Demonstrator and provide an overview of dismantling strategies from the perspective of the European Commission and different countries participating in the consortium (France, Spain, Italy, Lithuania, Japan). Participants will then be guided through an exhibition where the INNO4GRAPH partners will introduce and demonstrate the key project outputs in six stands:

1. **Graphite Reactors Knowledge** – Definition of graphite reactors and the common challenges faced by all operators.
2. **Graphite Mock-up and Retrieval Tests** – Demonstration in a dedicated testing cell.
3. **Remote Tool Deployment System** – Virtual reality demonstration of Graphitech's deployment system.
4. **DEMplus Digital Simulations** – 3D Models of graphite core reactor used for retrieval scenarios simulations.
5. **Laser Stand** – Feasibility of graphite laser cutting, presentation of the digital educational platform.
6. **Graphite Knowledge** – Description of various tools developed during the project to help gaining information on graphite material and its properties (crack detection, coating painting, non-destructive characterisation...)

Two other research projects related to nuclear decommissioning – [CLEANDEM](#) and [LD-SAFE](#) – will also be present and showcase their results using a poster.

For further information about the INNO4GRAPH International Symposium, please visit our public website (<https://www.inno4graph.eu/international-symposium/>) or contact the project office (inno4graph-contact@eurtd.com)

