



UKAEA expertise applied to Ignalina Nuclear Power Plant (INPP) in Lithuania

UKAEA Ltd recently completed the first stage of a £5 million contract with the State Enterprise Ignalina Nuclear Power Plant (INPP) in Lithuania. This EU funded contract involves the development of the decommissioning strategy and the production of engineering designs and other safety/environmental documents, necessary to obtain regulatory approvals for the implementation of this flagship decommissioning project.

More specifically, these plans and supporting documentation address the decontamination and dismantling activities in the Turbine Hall of reactor Unit One, which has been closed since December 2004. The turbine hall, large enough to fit two football pitches, contains around 17,500 tonnes of plant and equipment some of which contains internal radioactive contamination.



UKAEA has used its unique knowledge of nuclear plant dismantling and decontamination techniques, gained over the past 15 years, to develop safe, robust, cost effective decommissioning and waste management proposals. UKAEA also brings a wealth of project management experience, providing the authority to lead a complex team combining key local organisations with international expertise. When regulatory approval has been obtained, UKAEA will continue to provide assistance to the client during the procurement and implementation phases of the decommissioning works.

This is a landmark project at the world's largest RBMK reactor, and represents a major achievement for UKAEA on the international stage. As part of this, UKAEA is leading a multi-partner consortium of international and local organisations, within which UKAEA's Engineering Services Group and Technical Services Group have taken the lead on the design work, and overall project management has been supplied by UKAEA's Project Services Group.

KEY FACTS:

- The Turbine Hall contain 17,500 tonnes of plant and equipment
- The total volume of equipment to be removed is equivalent to around 336 fully laden Boeing 737-500's