

Investment Projects and Business Development Department Integrity and Technical Engineering Division



NPP COMPONENT MODERNIZATION AND REFURBISHMENT

Temelin NPP hermetic closures inspections and modernization

Value for customers

- Complexity of the services offered from the concept and structural design to complete realization, delivery and installation
- Based on design knowledge and processed 3D models, we design and qualify repairs, replacements, modernizations and improvements
- We specialize in containment, containment prestressing systems, spent fuel pools, hermetic doors and cables

Applications

- From providing wide variety of tests and qualifications of materials, components and production units through technical support during testing implementation to testing equipment supplies
- We work with operators to review operational documentation and create supporting documentation
- During the implementation of the work, we closely cooperate with the general designer

Contact details

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What we offer

- Development, concept and structural designs, manufacturing and installation at the NPP site
- Design work with detailed knowledge of the original design
- Designing closely linked to modeling in 3D graphics software
- We transfer our experience from our own equipment maintenance to the operator's technical support to increase the reliability and safety of the equipment being operated
- Containment calculation models for assessing its condition and residual life

Our references

- Production of calibration, validation and testing equipment for prestressing tendons system at Temelin NPP, Czech Republic
- Improvement of the original assembly, replacement and prestressing project for prestressing tendons at Temelin NPP, Czech Republic
- Spent fuel pools tightness, Dukovany and Temelin NPP, Czech Republic
- Renewal and modernization of prestress, deformation and containment temperature measurement systems, Temelin NPP, Czech Republic
- Finding emergency opening of hermetic closures in case of their potential failure - increasing safety and finding a solution for timely rescue of people, Temelin NPP, Czech Republic
- Qualification tests of rubber sealing profiles, adhesives and drives of hermetic seals, Temelin NPP, Czech Republic



Temelin NPP refueling bridge replacement (from design to installation)