

Solution for Nuclear Power Facilities Design and Construction

Nizhny Novgorod Engineering Company Atomenergoproekt (NIAEP), a leading Russian nuclear power plant engineering, design and construction company, and Intergraph will jointly develop a specialised solution for nuclear power facilities design and construction management. The new technology for nuclear power will provide a full spectrum of 3D engineering and design capabilities combined with opportunities for construction management (including work duration), work force and logistics during the construction phase of the nuclear power facilities (Engineering Design (3D) + Materials (4D) + Schedule (5D) and Resources (6D) in a single project management model).

This will allow NIAEP to reduce the construction intervals, while increasing the company's productivity, quality and safety. Additionally, this new technology will allow Intergraph customers to improve project execution quality, optimize project execution terms and perform construction management more flexibly.

NIAEP currently uses Intergraph's SmartPlant Enterprise solution to design the nuclear power units of Rostov NPP and plans to use SmartPlant Construction and SmartPlant Review to build new units. As an Intergraph Premier Partner, NIAEP will use the existing technologies SmartPlant 3D, SmartPlant Foundation, SmartPlant Materials, SmartPlant Construction and SmartPlant Review to design, build and manage complex project scheduling capabilities and to create a new technology, which fulfills the unique demands of nuclear power facilities.

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