

Value Chain Expansion in Nuclear Power Industry

Service

The Integrated Company rendered services for the following nuclear power plants: Paks, Temelin, Bohunice, and Tianwan.



Hungary. Paks NPP, Generating Units 1 to 4

Project description. The Company performs work within execution of the long-term framework contract concluded with CJSC Paks NPP for supply of equipment and components to provide operation of Paks NPP units 1 to 4. The current framework contract is in force from 2011 to 2014.

2012 results. In 2012 the Company fulfilled obligations in accordance with the contract. The scope of work performed amounted to 20.55 million rubles. The annual work plan was fulfilled 100 percent.

2013 arrangements. Plans for 2013 include rendering of consultation services under the executed contracts.

Czech. Temelin NPP, Generating Units 1 and 2

Project description. The work is carried out on the basis of three indefinite-term contracts for rendering of engineering and consultation services during NPP operation concluded with CEZ a.s.

2012 results. In 2012 the Company fulfilled obligations in accordance with the contract. The scope of work performed amounted to 5.89 million rubles. The 2012 annual work plan was fulfilled at

100%.



2013 arrangements. Plans for 2013 include rendering of consultation services under the executed contracts.

Slovakia. Bohunice NPP, Generating Units 3 and 4

Project description. The Company performed work on modernization of the Bohunice NPP within the guarantee obligations. Service operations under the project started in 2002. The scope of responsibility of the Company included replacement of NFCE systems, and in the period from 2008 to 2012 work within the guarantee obligations.

2012 results. The Company performed obligations in accordance with the concluded contracts. 2012 the guarantee obligations under the project were completely fulfilled.

2013 arrangements. Work under the project is completed; no plans are scheduled for 2013.

China. Tianwan NPP, Generating Units 1 and 2



Project description. The facility was commissioned in 2007. In 2011 the contract was concluded on substantiation of opportunity to increase the time between overhaul of the equipment, systems and pipelines of Tianwan NPP units 1 and 2 during transition to an 18-month fuel cycle from a 12-month one. The work completion time is 2013. In addition, in 2011 JNPC and the Company signed the contract on extraction of surveillance specimen from the reactor body by means of MP394 manipulator with attraction of specialists of OJSC NIKIMT-Atomstroy.

2012 results. In 2012 the Company performed obligations in accordance with the concluded contracts.

2013 arrangements. Plans for 2013 include contract completion and provision of a rational for change-over on 18-month-long cycle and also rendering of consultation services under the executed contracts.

Decommissioning

In 2012 the Integrated Company carried out work on 2 projects in 2 countries (see Table 3.2) within rendering of decommissioning services.

Table 3.2. Projects on Decommissioning of Nuclear Industry Facilities as of February 20, 2012



Table 3.2. Projects on Decommissioning of Nuclear Industry Facilities as of February 20, 2012

Country	Project
Ukraine	Second-stage construction of new ventilation pipe and auxiliary systems of the Chernobyl NPP
Bulgaria	Supply of LRW reprocessing plant for the Kozloduy NPP

Ukraine. Second-Stage Construction of New Ventilation Pipe and Auxiliary Systems of the Chernobyl NPP

Project description. The project is executed within operations on Object Shelter (sarcophagus) of the Chernobyl NPP. For participation in the tender on performance of work within this project the Shelter consortium was established (ASE, being the leader, and PJSC Ukrenergomontazh). Conclusion of a design contract between the Shelter consortium and the state specialized enterprise Chernobyl NPP is scheduled for 2014. The customer of the project was the International Fund Shelter. Work under the project was launched in July 2010; completion of work is scheduled for September 2013. The total cost of the project amounts to USD 9,361,382.



2012 results. Work on construction of vent pipe was completed. We also proceeded with mounting of radiation control systems and auxiliary systems at the Chernobyl NPP.

Further plans under the project include completion of work, signing of work completion certificate; and later on fulfillment of obligations within the guarantee period.

Bulgaria. Supply of LRW Reprocessing Plant for the Kozloduy NPP



Project description. The project is executed within the frames of international program on decommissioning of units 1, 2, 3 and 4 of the Kozloduy NPP, Bulgaria. The project is aimed at treatment of water discharged to Danube and formed during decommissioning of the generating units. In 2004 the contract was signed within the tender of the European Bank for Reconstruction and Development, in 2005 project plan was elaborated, and supply of the equipment was completed in 2009.

2012 results. Test operations regarding the project are finished. The liquid radioactive waste reprocessing plant is commissioned.

Further plans under the project include fulfillment of obligations within the guarantee term (guarantee term expires in 2014).



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