

Russian Nuclear Company NIAEP Powered by Dassault Systèmes' 3DEXPERIENCE Platform

NIAEP and Dassault Systèmes Create the First 3D Digital Nuclear Plant Management Model

VELIZY-VILLACOUBLAY, France and MOSCOW, Russia — October 25, 2012 — [Dassault Systèmes](#) (Euronext Paris: #13065, DSY.PA), the 3DEXPERIENCE Company, world leader in 3D design software, 3D Digital Mock Up and Product Lifecycle Management (PLM) solutions, today announced completion of the first phase of its strategic partnership with NIAEP, the state company of Rosatom, a leading Russian nuclear power plant engineering procurement and construction company in Russia and abroad. Using 3DEXPERIENCE platform's applications (CATIA, ENOVIA and DELMIA), NIAEP developed a technology called "Multi-D", which simulates business processes and enables them to carry out detailed modeling of construction and installation processes based on 3D data. The result is reduced construction time and costs and better work efficiencies, quality and safety of NIAEP-designed plants.

"Based on Dassault Systèmes' unique platform, we developed a solution that would integrate process engineering, design and construction in a unified digital nuclear power plant model," said Valery Limarenko, JSC NIAEP Director. "Previously, there was no system that could seamlessly integrate the work of designers, process and construction engineers in the world. Now, with the 3DEXPERIENCE platform we have an integrated environment for collaboration. The CATIA application will automate engineering documentation creation and serve as the source for Multi-D's construction optimization process."

NIAEP is the first company to develop a 3D digital nuclear plant management model, which will have features for integrated design management, in particular for the creation and modification of a 3D model, construction management, field engineering, purchase and supply management, as well as facility commissioning and operation decommissioning. NIAEP is using the new platform to develop a nuclear power plant based on power units compliant with the VVER-TOI standard.

"I'm excited to see how innovators can imagine and create with our 3DEXPERIENCE platform. NIAEP's forward-looking management approach is an amazing showcase demonstrating how even complex engineering fields such as nuclear power are looking at experience strategies for their business," said Monica Menghini, Executive Vice President, Industry and Marketing, Dassault Systèmes. "NIAEP's strategy to become the world leader in nuclear plant construction coupled with our own industry focus has led Dassault Systèmes to develop a game-changing industry solution experience 'Optimized Plant Construction'. It will enable energy companies to optimize capital expenditures, accelerate time to first fuel or startup, and increase return on investment. On time, on budget. This is what I call a business experience."

About NIAEP

The Joint Company 'Open Joint Stock Society "NIAEP"/Closed Joint Stock Society "Atomstroyeksport" (CJSC ASE) was formed in March 2012 by a decision of the State Atomic Power Corporation "Rosatom". Thus, OJSC NIAEP became the managing company of CJSC ASE. The structure of the joint company is a network of offices that manage object construction projects. The network comprises, among others, the following companies:

- Design institute in Nizhny Novgorod,
- Three NPP construction management offices (Nizhny Novgorod, Moscow, St. Petersburg);
- Representative offices in 10 European and Asian countries, where projects implementation or planning are underway, namely, Bulgaria, Hungary, Vietnam, Iran, India, China, Turkey, Czech Republic, Slovakia, and Ukraine.

As of now, over 4000 employees work for the joint company, and over 7000, allowing for the affiliated enterprises. The list of the implemented projects comprises 20 constructed and developed power plants in Russia and abroad.

About Dassault Systèmes

Dassault Systèmes, the 3DEXPERIENCE Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 150,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.

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Dassault Systèmes Press Contacts

Derek Lane (NAM)	derek.lane@3ds.com	+1 (818) 673-2243
Elena Fernandez (LATAM)	elena.fernandez@3ds.com	+1 (978) 442-2790
Virginie Blindenberg (EMEA)	virginie.blindenberg@3ds.com	+33 (0) 1 61 62 84 21
Namrata Gadhok (India)	namrata.gadhok@3ds.com	+91 (124) 457 7100
Arnaud Sobrero (AP South)	arnaud.sobrero@3ds.com	+65 6511 7942
Grace Mu (China)	grace.mu@3ds.com	+86 10 6536 2288
Jahyun Ahn (Korea)	jahyun.ahn@3ds.com	+82 2 3270 7893
Yukiko Sato (Japan)	yukiko.sato@3ds.com	+81 3 5442 6445
Arnaud Malherbe (CORP/France)	arnaud.malherbe@3ds.com	+33 (0) 1 61 62 87 73