

European Spallation Source Chose Dassault Systèmes' 3DEXPERIENCE Platform to Develop the World's Leading Neutron Research Center

ESS Has Selected the Industry Solution Experience "Integrated Plant Engineering" to Unify ESS European Partner Countries

VELIZY-VILLACOUBLAY, France — May 3, 2016 — [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 that [European Spallation Source ERIC \(ESS\)](#), a research infrastructure project funded and operated by a partnership of European countries, is using the 3DEXPERIENCE platform to construct the world's leading neutron research facility in Lund, Sweden. The "[Integrated Plant Engineering](#)" industry solution experience delivers powerful digital design and collaboration applications for compliance and project management in a unified environment connecting thousands of engineers, designers and manufacturers across Europe.

Once completed, ESS will provide a more efficient approach to existing neutron scattering research and enable opportunities for sustainable innovations in, for example, clean energy, structural engineering, food technologies, pharmaceuticals, medical devices, IT and transportation. Its design includes the world's most powerful linear proton accelerator, 22 state-of-the-art instruments, a suite of laboratories and a supercomputing data management and software development center that will be used for decades by thousands of researchers.

ESS has had a close partnership with Dassault Systèmes since 2012, developing the necessary functionalities. The "Integrated Plant Engineering" industry solution experience provides ESS with a collaborative environment for design control and design data consolidation throughout the duration of the project. Its applications integrate civil and mechanical engineering for a full and up-to-date overview of design, allowing ESS to ensure compliance with requirements. Users can optimize the facility's technical design, streamline construction processes and ensure that critical decisions are made, based on constantly updated and accessible information.

"With the 3DEXPERIENCE platform and guidance from Dassault Systèmes' local team and its partner TechniaTranscat, everyone involved in the ESS project can create, update and reuse information related to designing and building the neutron research facility in a controlled and traceable manner," said Peter Rådahl, Head of Engineering & Integration Support Division, ESS. "ESS is a long-term initiative for society's future and we need the best tools available to make it a reality."

“ESS is one of today’s largest science and technology infrastructure projects and open pathways to important discoveries,” said Monica Menghini, Executive Vice President, Chief Strategy Officer, Dassault Systèmes. “The 3DEXPERIENCE platform helps to securely link and simplify stakeholder relationships in this international collaboration. Users like ESS benefit from capabilities to deliver technically challenging plants on time, meet budgets and specifications, minimize waste and maximize process efficiencies.”

For more information on Dassault Systèmes’ industry solution experiences for the Energy, Process and Utilities Industry, visit <http://www.3ds.com/industries/energy-process-utilities/>

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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 210,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.

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