

Dassault Systèmes to Partner with Korean Thought Leader Philosophia for Nuclear Systems Digitization and Simulation

***3DEXPERIENCE Platform Combined with Domain Expertise and Services
Will Create Innovative Virtual Universes Allowing for Safer Nuclear Plants
Design, Construction, Operation and Maintenance.***

SEOUL, Korea – October 11, 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, and Philosophia, an avant-garde Information Technology entrepreneur, today announced an agreement under which Philosophia will use Dassault Systèmes' 3DEXPERIENCE platform to develop advanced scientific virtual universes for digitization and simulation of nuclear power plants. Such advanced simulation will include multidimensional multiphysics, multiscale phenomena, construction and training.

As part of this agreement, Philosophia and Dassault Systèmes will jointly develop solutions and practices for digitization of existing assets, 3D experiences for multiphysics simulation of complex nuclear operation processes, and create a comprehensive education program targeting students in the nuclear power industry. These university-level education programs will train students how to use their acquired theoretical knowledge in various fields of nuclear power generation via virtual universes that incorporate practical engineering tools, such as Dassault Systèmes' 3D design, simulation, analysis and programming applications.

Not only will students be trained in specialized virtual reality experiences, but Dassault Systèmes' 3DEXPERIENCE platform will allow the digitization of real world nuclear engineering process and facilities into the virtual world for better simulation, training and maintenance process development.

“Philosophia has been using Dassault Systèmes' modeling, construction planning, and various serious gaming applications on multiple real scale projects in Korea for a long time. With this agreement, Philosophia will move to Dassault Systèmes' 3DEXPERIENCE platform and leverage its energy, process and utility industry solution experiences,” said Professor Kune Suh, CEO, Philosophia. “This allows us to concentrate on the scenarios that our customers want us to model. In addition, new developments let us anticipate more realistic rendering, including probabilistic approaches that will lead to a better estimation of aging evolution of nuclear plants.”

Most nuclear power facilities in the world, as well as many other types of power generation and other large facilities, are not built exactly as the old paper blue print

designs. The blueprints are the “As Designed” plan for construction, but they inevitably are changed in small, and sometimes large, ways during construction to accommodate unanticipated issues during the construction process. The end-result is called the “As Built” facility and it is these “As Built” models that EPC and Owner/Operators need to develop virtual safety, training, and maintenance experiences. Digitization of a plant from legacy data to create an “As Built” model is the first step in the process for any existing facility. The digitized data then become the unique knowledge center of the plant to be accessed by all stakeholders, including the owner/operator, EPC, and equipment suppliers.

“Dassault Systèmes believes in the power of the virtual world to improve the real world. Combining Philosophia’s deep knowledge about nuclear systems technology with our 3DEXPERIENCE platform will create unparalleled value for our joint customers,” said Monica Menghini, Executive Vice President, Industry and Marketing, Dassault Systèmes. “Our common goal with Philosophia is to enable customers to create a digital reference of their physical asset as a platform and precursor for high value 3D experiences. With this, all stakeholders can access necessary information in context, understand, and run what-if scenarios in a harmless virtual environment. Given the current mistrust about safety of nuclear power plants in particular, such an innovative approach will deliver significant business value and work to positively transform the perception of nuclear plants.”

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About Philosophia

Philosophia, the avant-garde engineering venture, is home to 4⁺D TechnologySM powering holo idea live omni simulation, optimization, picturization, harmonization, integration and animation. Its engineering philosophy LUX (Lifelike Universe Express) lends itself to engineering solutions ESSE (Engineering Super Simulation Emulation) and PLUS (Powering Lifelike Universal Solution) for engineering services D³ (Designs Detail Digitization), P³ (Physics Power Picturization) and S³ (Systems Super Simulation). Welcome to www.4plusD.com.

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