

Siemens and Bentley Systems Strengthen Strategic Alliance



Building on the strategic alliance between Siemens and Bentley Systems that was made public in November 2016, Siemens' Energy Management Division and Bentley Systems have announced an agreement to jointly develop solutions to accelerate digitalisation of planning, design and operations for power utilities and industrial power customers.

Bentley Systems is a global leader in software solutions for advancing the design, construction, and operations of infrastructure. The first of the new offerings will integrate Bentley Systems' utility design and geographic information systems (GIS) capabilities with Siemens' Power System Simulation (PSS) Suite, with specific solutions for power transmission, power distribution, and industrial facilities. Combining these two platforms provides customers with Bentley's expertise in 3D infrastructure asset modelling and GIS

with Siemens' knowledge and renowned experience in energy system planning and simulation.

Decentralisation

The energy industry trend toward decentralisation represents a significant challenge as well as a great opportunity for power producers and consumers alike, and the strategic alliance with Bentley Systems will help customers better leverage this changing landscape through the combination of Siemens' powerful solutions, said Ralf Christian, CEO of the Siemens Energy Management Division. Siemens and Bentley share a commitment to openness, interoperability, and the common goal of helping their customers drive the digital enterprise across their supply chains, he added.

Bentley Systems chief product officer Bhupinder Singh said he is excited to collaborate with Siemens to help the power utilities users advance in 'going digital.' Siemens' expertise in electrical power systems planning and simulation are the perfect complement to Bentley's GIS and infrastructure engineering solutions, Singh added.

Data environment

Distributed energy resources (DER), like microgrids and their off-grid on-grid mode, require more advanced planning approaches to ensure system reliability and stability. Bentley's OpenUtilities solution for utility power grid design and GIS will be integrated with Siemens' PSS Suite for power system planning to provide seamless workflows and data integration, while supporting optimal network design for both operational and economic performance. Through a connected data environment, utility engineers will now have the added benefit of sharing critical design information to reduce design time and construction costs to deliver optimal and comprehensive utility network updates.

In addition, the Siemens Bentley initiative will provide intelligent Siemens components for easy placement into Bentley's Substation application for 3D modelling, while intelligent electrical symbols will provide necessary details for comprehensive reports in a substation's 2D schematic layout capabilities. Bentley users will have access to a comprehensive Siemens' components catalogue through Bentley's cloud services.