

# SIEMENS



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## **SIEMENS and BOEING Strategic Alliance Secures DOD Contract**

*Energy-efficient technologies to be installed at DOD site*

**ATLANTA, Feb. 27, 2012** The strategic alliance between Siemens and Boeing today announced that the alliance and a team of partners has been awarded a funded project by the U.S. Department of Defense (DOD) Environmental Security Technology Certification Program (ESTCP). Using Siemens and Boeing's leading cyber-secure energy savings technology, the DOD will realize up to 40 percent savings in energy costs at this one installation. This is the alliance's first awarded contract.

The team, which also includes the University of California at Berkeley and KEMA Services Inc., will implement intelligent energy-management solutions that include integrated controls for cooling and heating systems, lighting, ventilation and plug loads. The upgrades will ensure the ESTCP meets its mandate to improve DOD infrastructure energy security and reduce its facility energy costs.

"This project is a great example of the innovative ways in which Siemens and Boeing are working together to provide the best energy-management solutions to our government customers," said Judy Marks, president and CEO of Siemens Government Technologies Inc. "Addressing the DOD's security protocols in this demonstration project will provide a model for implementing intelligent energy-management technology at other DOD sites."

Intelligent energy-management solutions will achieve the targeted savings by eliminating energy waste from unoccupied spaces and from uncoordinated load control,

energy storage and on-site generation resources. Through dynamic demand response, which uses technology to manage energy consumption, the facility will achieve peak load shedding capability of approximately 30 percent. The intelligent energy-management technology will be deployed by Siemens Corporate Research and Technology and use the Siemens APOGEE Building Automation System. The technology brought to the DOD site will interoperate with the existing building automation systems, enabling maximum energy efficiency and demand management. Boeing's services-oriented architecture will provide protected operation between all energy management systems to achieve an integrated, central microgrid energy management solution.

“Our services-oriented architecture provides scalability, interoperability and high availability by pushing intelligence across the network,” said Tim Noonan, vice president of Boeing Energy. “Boeing's service-oriented architecture and Siemens building automation technology will remove bottlenecks in the communications, data-flow and decision-making process, resulting in a highly scalable and manageable system.”

The University of California team will be responsible for developing local gateways for managing the electricity usage of common office equipment such as printers, computers and monitors while KEMA Services will provide dynamic building energy modeling, retro-commissioning services, and energy optimization and balancing.

Of the 575 projects submitted to the ESTCP program, 27 were selected.

Siemens and Boeing previously announced [a strategic alliance for DOD energy modernization](#) that will jointly develop and market “smart grid” technologies to improve energy surety and security for U.S. military installations, including next-generation, secure energy infrastructures that lower operational costs and increase energy efficiency.

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