



## Pentagon Decides on Square D PowerLink For Major Renovation Program



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The Pentagon, headquarters of the United States Department of Defense, is moving forward with the Pentagon Renovation Program (PENREN), a seven-phase, 20-year, \$1.2 billion project. Square D, a division of Schneider Electric, was awarded many of the more than 300 individual contracts required for this massive renovation project.

A National Historic Landmark, the Pentagon has not undergone major renovation in its entire 58-year history. Renovation will ensure compliance with current health, fire and life safety codes and provide efficient and reliable systems and services. The Pentagon's office space includes more than 26,000 military and civilian defense personnel as well as 3,000 non-defense support personnel.

One portion of Square D's involvement included providing a consistent, reliable, lighting control system. The Powerlink system was chosen as it provided a very robust system that could be easily retrofitted and controlled from the Johnson Controls furnished Metasys building system. The Powerlink system communicates directly to the Metasys system using N2 protocol. The Metasys system provides scheduling and monitoring while wall mounted low voltage switches, directly connected to the Powerlink panels, are used as local overrides to control area lighting. The system works flawlessly, giving occupants lighting when they need it, yet saving thousands of dollars in wasted energy use, by switching lights off during non-occupancy periods.

Square D was also awarded contracts to upgrade the facilities power distribution equipment and power monitoring systems. As renovation to Wedges 2 through 5 proceed, the company will continue to be a major solutions provider in several realms.

"We are enormously pleased with the work that has been accomplished thus far," said Lee Evey, Program Manager, Pentagon Renovation Program. "We've assembled a highly professional and dedicated team of designers, engineers, contractors and support staff for this historic and comprehensive renovation of the Pentagon, and Wedge 1 exemplifies their extraordinary efforts."

The Square D Powerlink System enabled the Pentagon to have:

- Individual branch circuit control, easily reconfigured to meet changing floor plans
- Full integration with facility building automation system
- Compliance with latest building, safety, and energy codes

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