

Tech Vault, Inc.

delivers high-efficiency data center for clients

Tech Vault, a provider of collocation services based in Vermont, has designed and developed a data center that is now recognized as one of the most efficient in all of New England. Clients include hospitals, healthcare providers, and software companies among others.

According to Bob Stewart, vice president of IT for Tech Vault, "Environmentally conscious companies in our region seek a secure, clean, energy-efficient facility with unlimited power and cooling capabilities."

The Schneider Electric team of experts was essential to the project. "They really brought the face of Schneider Electric to us, and we acquired a first-class education on the value of row-based cooling, remote power modules, even how power is distributed from one process to the next," said Stewart.

Integrated solution to optimize energy management

The driving force behind Tech Vault's environmentally conscious data center is a Schneider Electric design and implementation approach called EcoStruxure™. This holistic solution integrates key data center subsystems including facility power, IT room power and cooling, process and machine controls, building automation, and security. At the core of EcoStruxure is a management system that allows for increased energy efficiency, simplified operational processes, and reduced costs.



Power usage effectiveness (PUE) measurement is designed into the system, allowing Tech Vault to monitor PUE for any given time range including hourly, daily, weekly, and monthly. The Tech Vault data center managers can now fine-tune energy efficiency and optimize power and cooling system performance.

The quest for LEED gold certification

LEED® is an internationally recognized green building certification system. LEED certification is a difficult undertaking. "We had to deal with making a 20-year-old building compliant, as well as the data center," said Stewart.

"Our goal was to bring the first next generation, LEED-certified data center to the state of Vermont by incorporating the newest technological advancements available in the industry," said Stewart. "We believe strongly that we achieved that mission with the Tech Vault data center."



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Learn more about energy management solutions. Download our new EcoStruxure brochure.

1. Go to www.apc.com/promo
2. Enter key code from the blue box on the back cover
3. Click "EcoStruxure brochure"