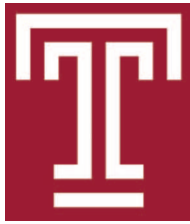


DVL Helps Temple University Save 365,000 kWh Of Electrical Energy



Temple University – Philadelphia, PA
Public Research University
3,000+ Employees
35,000+ Students

Founded in 1884 by Russell Conwell, Temple University is a comprehensive public research university and the 26th largest university in the United States. It is among the nation's largest providers of professional education – law, medicine, podiatry, pharmacy, dentistry and architecture – and prepares the largest body of professional practitioners in Pennsylvania. Temple University offers over 300 academic degree programs at nine campuses and sites in Pennsylvania, as well as through its international programs in Rome, Tokyo, Singapore and London.



Temple University is one of Pennsylvania's state-related universities, which are institutions that receive state funds but are independently operated.

SUMMARY

DVL Group made a company commitment to help 12 data centers in the Philadelphia area to save at least 1,000,000 watts of electrical power.

The top three winners received the Less Watts Award and a donation of \$1,000 to the Delaware Valley Green Building Council (DVGBC) written in their name. The purpose of the Less Watts competition is to promote data center efficiency and sustainability, as well as highlight the attention data center operators have given to saving energy.

The winner of the third category in the Less Watts competition, composed of data centers between 1,000 and 5,000 sq. ft., was Temple University.



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CHALLENGE

The driving forces for the university's partnership with DVL was their interest in upgrading a legacy data center filled with outdated equipment; and using the opportunity to significantly improve their energy efficiency.

Replacing cooling equipment that had been installed 25 years ago seems like an easy decision. However, in working with DVL representatives, Temple University learned about the advantages of using variable cooling technology to drastically improve operating efficiency, as well as their eligibility for potential utility rebates. The choice to upgrade to variable speed technology then became even easier.

SOLUTION

DVL presented Temple with an energy study that documented the benefits of replacing the legacy equipment with new Liebert cooling units. Making use of variable speed fan technology and optimized iCom controls, DVL was able to prove a significant energy savings.

The fan technology allows the airflow rate to vary based on the room temperature, and the iCom controls ensures balanced operation across the six units.

The ability of the units to work in a connected teamwork mode optimizes the operation. Should any unit fail or be shut down for service, the remaining units will automatically adjust their cooling output to match the load.

RESULTS

Temple University's energy savings were calculated as **365,000 kWh per year**. The university expects to save at least **\$65,000 in energy per year**.

Temple is currently considering plans to retrofit an additional 12 units in another data center that is expected to save **1.1 million kWh**, which translates to **\$109,000 per year**. At those numbers, they will achieve a return on investment in just one year.

FEEDBACK

The Temple University Computer Services team was very thankful to DVL for recognizing their dedicated efforts in energy efficiency.



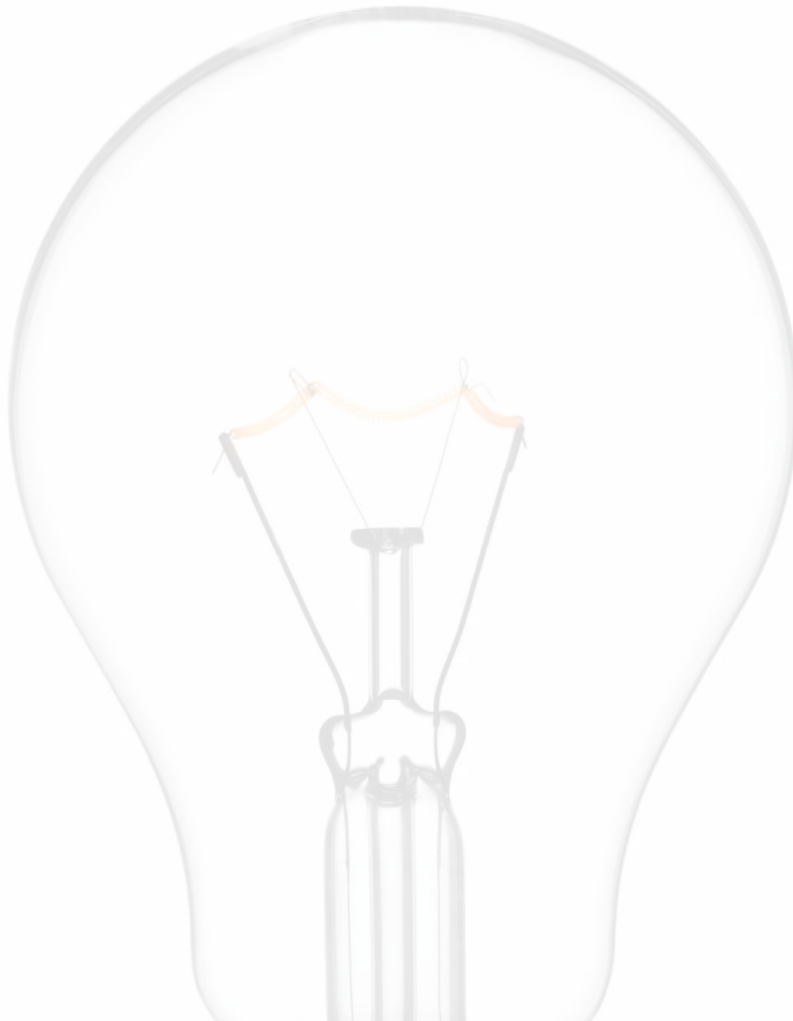
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Timothy O'Rourke, vice president and CIO of Computer and Financial Services at Temple University, expresses his team's passion for sustainability:

"As an urban institution with deep ties to the surrounding community and a strong influential presence worldwide, Temple University's commitment to sustainability has a profound impact."

O'Rourke also acknowledged DVL's part in their sustainability success:

"DVL not only took the time to understand our requirements to help us design best-fit strategy, but they also provided reliable, hands-on technical support throughout the implementation process."



About DVL

DVL, Inc. is the exclusive representative for Emerson Network Power in eastern Pennsylvania, southern New Jersey and northern Delaware. Our subsidiary Total Support Systems, based in Harrisburg, PA covers central Pennsylvania. DVL is strategically focused on mission critical air, power, and IT product and service solutions from the data center to the edge of the network. Please visit www.dvlnet.com for more information.