

CASE STUDY: **Deka®** Batteries Help Energy Company Reduce Maintenance, Saving on Time and Cost.

Power outages can have serious consequences to the end user. Extreme weather and adverse conditions can extend these outages making situations even worse. In the event of a power failure or interruption with your utility, a fast and reliable supply of electricity is imperative to ensure data networks continue to operate.

The data networks that power these communities use lead battery power as their immediate resource during critical situations where energy must be restored quickly. Large scale battery systems are indispensable as they provide that vital behind-the-scenes role in continuing essential services during a utility outage. This back-up power must have fast response time, be a safe technology, and have minimal maintenance.

THE CHALLENGE

A leading electric and gas company in Minnesota needed a better solution than their existing flooded lead battery system, specifically one that would reduce maintenance in order to save on time and cost. Existing time for maintenance requirements on the flooded cells exceeded what the company was capable of staffing. In addition, the customer needed to find a solution that would allow for more power, without increasing the footprint size of the existing system.



Deka® Unigy® II batteries saved the customer over \$28,500 compared to a flooded system, which included reduced maintenance, spill containment, and 78% less floor space.



THE CLEAR SOLUTION

Once performance data and cost savings were analyzed, the customer's choice for powering their Central Energy Data Center was 4 strings of Deka Unigy II valve regulated lead-acid (VRLA) batteries. These minimal-maintenance design batteries are engineered and tested to deliver backup power specifically for critical UPS applications with significantly more power in a smaller footprint than the previous flooded cells.

THE RESULTS

The Deka Unigy II VRLA batteries were a great solution for this project. The spill-proof, space saving design of these batteries has saved the customer a grand total of \$28,500 for their entire system. (This included savings of \$16,000 on spill containment, \$7,200 on maintenance, and over \$5,300 in floor space costs*, reducing the system footprint by 78%.)

Deka® Unigy® II

THE PERFECT COMBINATION

- Performance
- Cost Savings
- Reliability
- Sustainability

THE CONCLUSION

The Deka Unigy II batteries were the clear solution for this application. Saving costs, reducing maintenance, and saving needed space made all the difference for this leading electric and natural gas energy company in Minnesota. It has also proven to be the right critical power solution for many other backup utility power needs. Deka VRLA batteries will help you keep your data center running while meeting all of your performance, sustainability, and cost optimizing goals.

**Based on 125 ft.² Source www.jll.com*



East Penn Manufacturing Co.

Lyon Station, PA 19536-0147

Phone: 610-682-3263

Fax: 610-682-4781

www.dekabatteries.com

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e-mail: reservepowersales@dekabatteries.com



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