



**EMERGENCY**

## WELLSPAN YORK HOSPITAL **MICROGRID**

Providing better care and saving lives with  
100% standby power

---

Power**Secure**

---



## ABOUT THE CUSTOMER

WellSpan York Hospital is a leading trauma center and specialty hospital in York, Pennsylvania.

## THE PROBLEM

As a leading trauma center, WellSpan York treats over 2,000 trauma patients per year. Any unanticipated power outage could have devastating effects on doctors' ability to provide the best possible care.

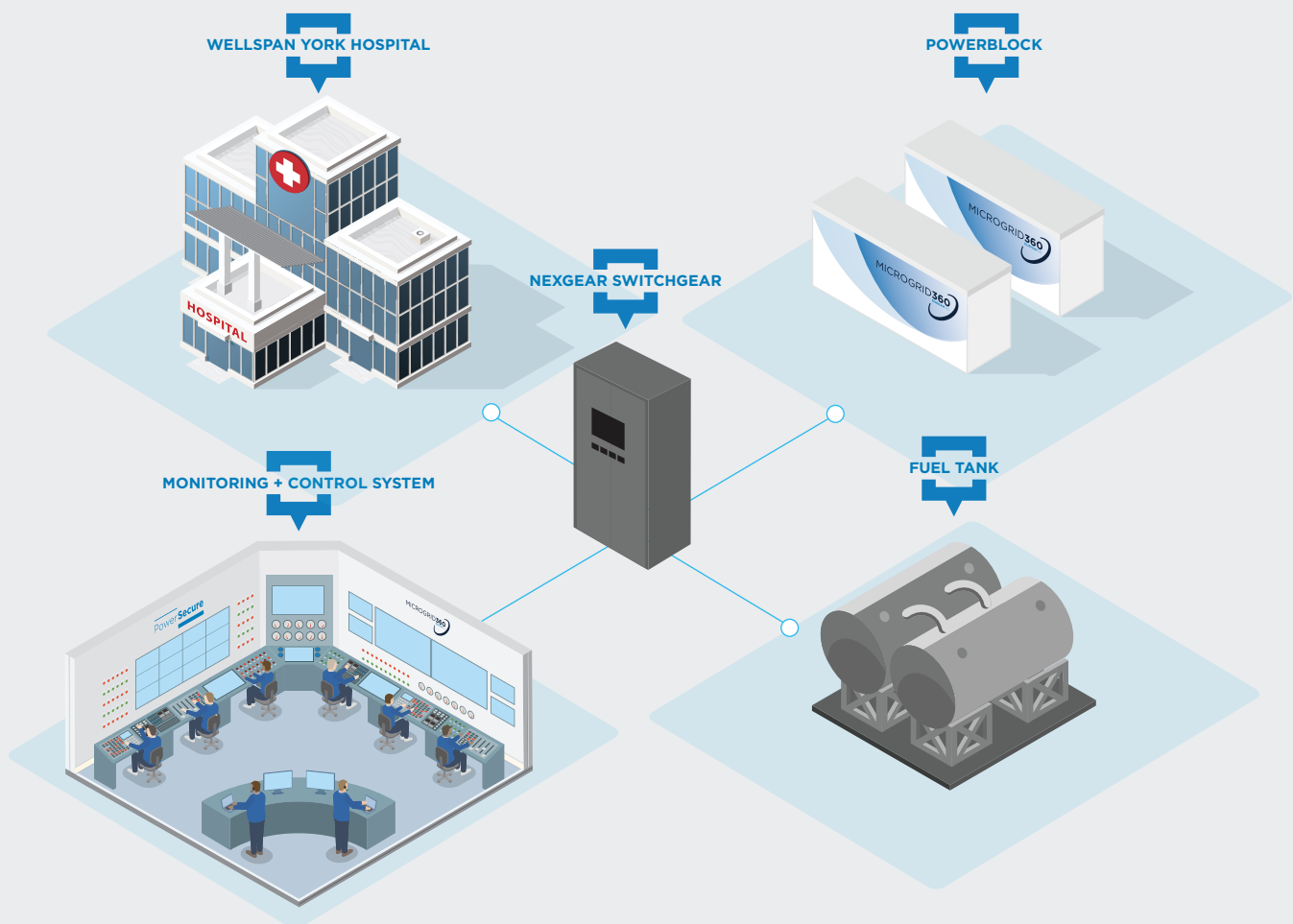
WellSpan York Hospital needed to ensure power would not be disrupted in the event of any unplanned outages.

## THE SOLUTION

PowerSecure created full-service approach to enhance on-site generation with 100% standby power and provide the hospital energy cost savings through PJM's demand response.

PowerSecure built a comprehensive microgrid system with three 2500 kW PowerBlock generators; two Main Essential System 13.2 KV; 2000A M-T-M Switchgear ineups, automatic transfer switches; fuel tank with fuel polishing; and controls for NFPA 110 Level 1 Compliance and Joint Commission Compliance Reporting System.

PowerSecure Services monitors these assets 24/7 and is ready to respond immediately to an outage event. Additionally, PowerSecure dispatches the system to ensure proper operation in response to PJM demand response signals.





# BENEFITS TO WELLSPAN YORK

With PowerSecure's industry-leading reliability, PowerSecure's distributed generation solution provided:

- 1 Rewarding load management capabilities
- 2 Three-year project payback
- 3 Industry-leading reliability
- 4 Seamless paralleling
- 5 365/24/7 monitoring
- 6 Ongoing savings — the 7,500 kW low-emissions generation solution was provided in conjunction with the Constellation New Energy/PJM demand-response agreement.

PowerSecure monitors and dispatches the system to assure proper operation in response to PJM demand-response signals

***“PowerSecure’s microgrid approach to Hospital Standby Power Generation enabled York Hospital to install 100% backup power with N+2 Redundancy and save over \$2M compared to bids we received on traditional Standby Power Systems”***

- George Baker, director of engineering,  
WellSpan Hospital