



FORT BELVOIR, FAIRFAX, VA **MICROGRID**

Bolstering the nation's defense with
an integrated microgrid solution

Power**Secure**



ABOUT THE CUSTOMER

Fort Belvoir is a military hub, home to the Army Cyber Command, the Intelligence & Security Command, as well as 10 different Army major commands, 19 different agencies of the Department of the Army, eight elements of the Army Reserve and the Army National Guard, and 26 Department of Defense agencies. Also located here are a Navy construction battalion, a Marine Corps detachment, a U.S. Air Force activity, and an agency from the Department of the Treasury.

THE PROBLEM

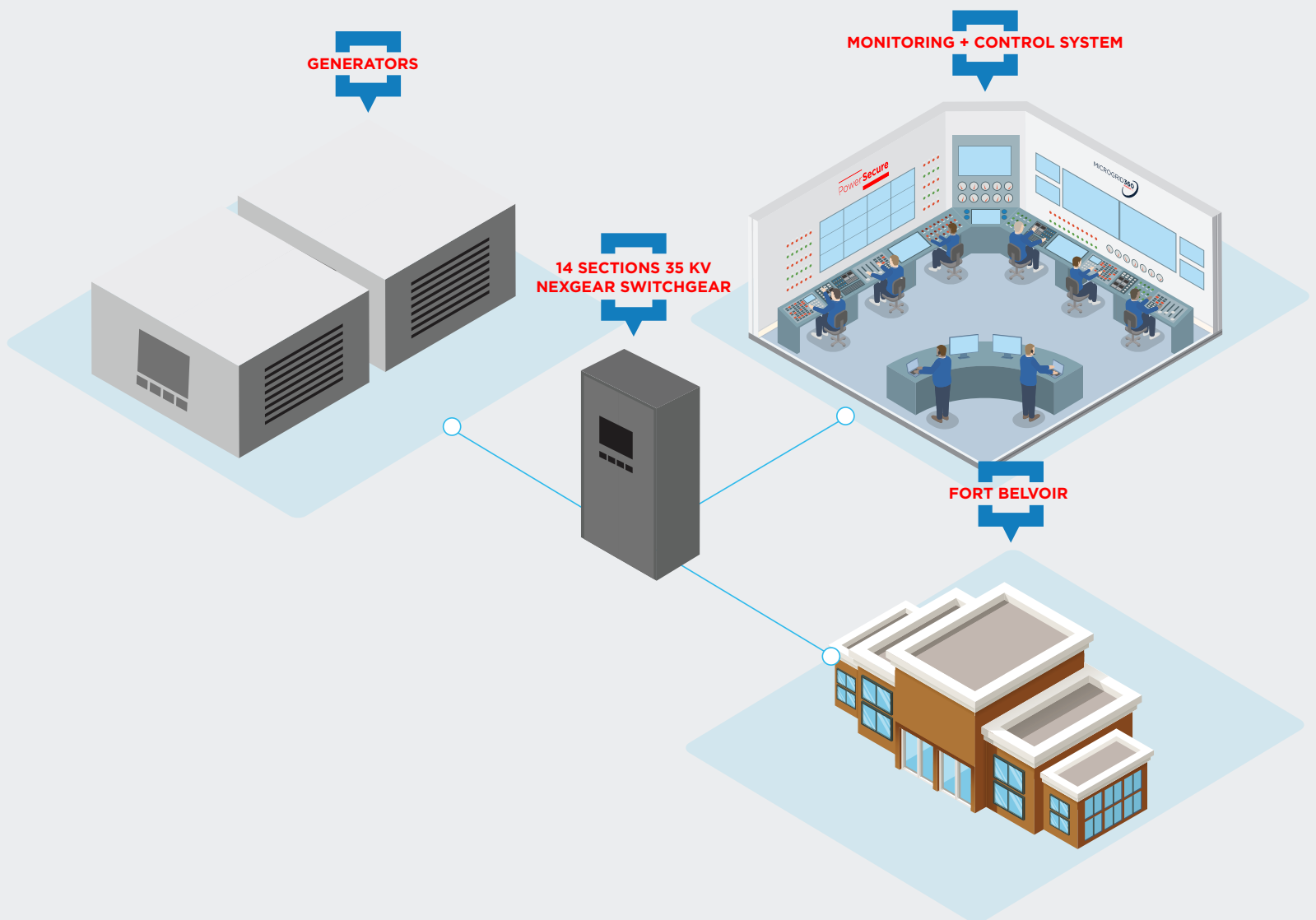
As a major defense and intelligence hub, reliable power is critical to performing important missions and tasks.

In the event of utility loss of power, Fort Belvoir was in need of a solution that would allow it to continue to operate.

THE SOLUTION

PowerSecure designed, engineered, constructed and installed a microgrid solution that took the fort's existing 9,750 kW backup generation and coupled it with 14 sections of 35 kV fully integrated NexGear paralleling switchgear and controls.

These reliability assets afford Fort Belvoir the flexibility to add future generation capabilities, protection schemes, 24/7 monitoring and demand management/peak shaving.



BENEFITS TO FORT BELVOIR

With a comprehensive, full-service approach to standby power and demand response, the PowerSecure solution affords Fort Belvoir:

- 1 Greater reliability with standby mode when the system senses loss of utility power
- 2 Future generation capabilities
- 3 Protection schemes
- 4 365/24/7 monitoring
- 5 Cost-saving with demand management/peak shaving
- 6 Remote system operation