



BOROUGH OF BERLIN, PA **MICROGRID**

An integrated solution for reliability and cost-savings
to beat extreme weather and rising energy costs

PowerSecure



ABOUT THE CUSTOMER

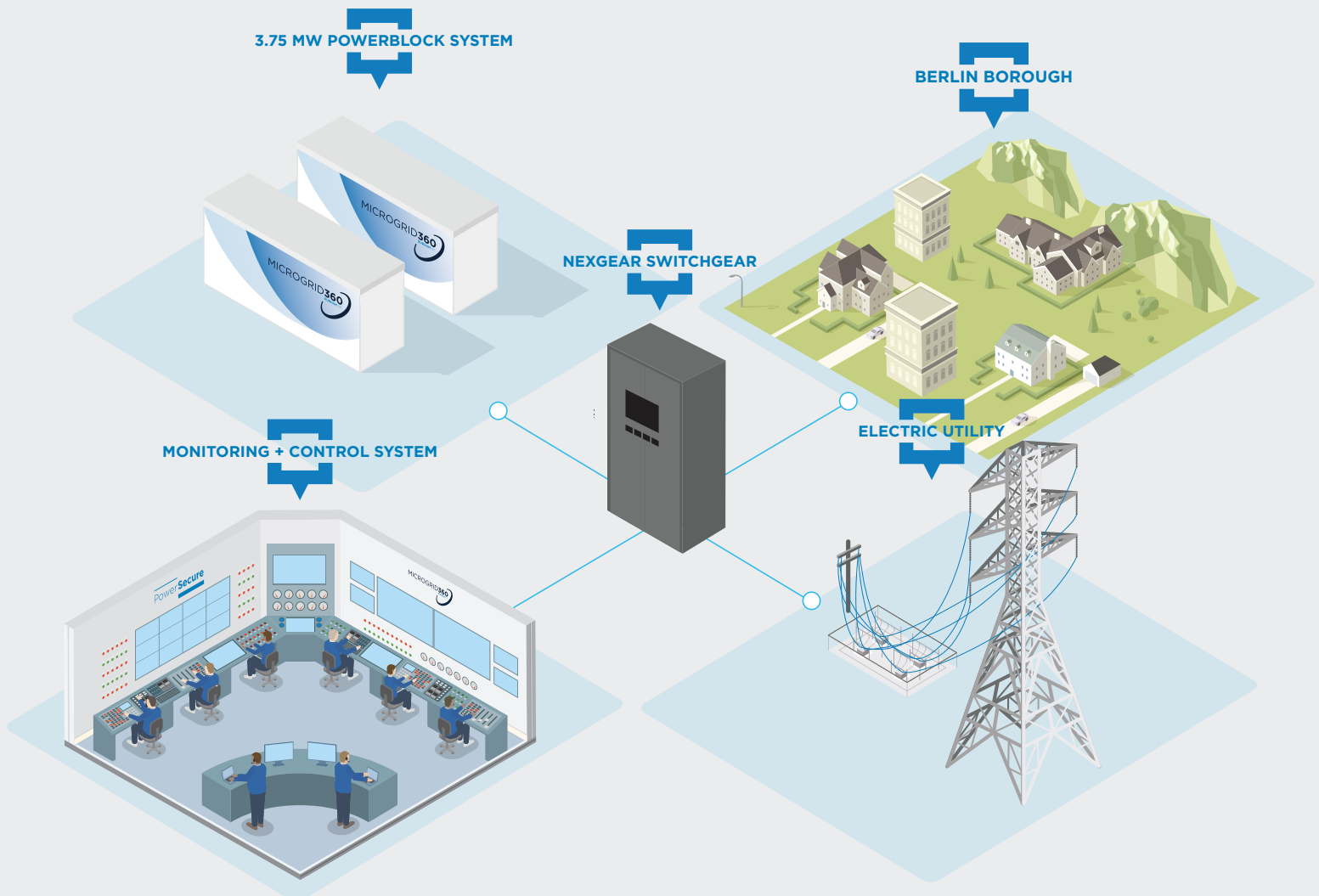
The Borough of Berlin, Pennsylvania, is a small town, located in the mountains, serving approximately 1,150 electric customers. It buys wholesale power from American Municipal Power of Ohio and then distributes it to its customers.

THE PROBLEM

The Borough of Berlin often experiences extreme weather, resulting in frequent power outages. At the same time, wholesale electricity rates were rising. Frequent weather-related outages and rising electricity costs led Berlin to seek a highly reliable and affordable alternative energy solution.

THE SOLUTION

In seeking a reliable energy solution, Berlin selected PowerSecure to engineer, construct and install a fully integrated 3.75 MW diesel-powered Tier 4 Final PowerBlock generation system that incorporates proprietary NexGear switchgear and controls, provides 100% backup power and enables peak shaving and demand response operation.



BENEFITS TO BERLIN BOROUGH

- 1 Greater system reliability
- 2 High economic value with peak shaving and demand management
- 3 Lower electric costs for customers
- 4 Expected net annual savings from generators is approximately \$300,000
- 5 PowerSecure monitors the system's assets 24/7 and is ready to respond immediately to an outage event

"The savings Berlin expects to realize from utilizing the generators during times of peak usage will enable our customers to continue to realize the lowest kilowatt-hour rate of any of the 35 Pennsylvania Municipal Electric Systems and of those charged by most Investor-Owned Utilities."

- Tom Jones, Berlin Borough executive secretary