



## THE CITY OF BENNETTSVILLE **MICROGRID**

A microgrid designed to power a city  
through natural disaster

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**PowerSecure**

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## ABOUT THE CUSTOMER

Bennettsville is a city in South Carolina and the county seat of Marlboro County. Historically significant, Bennettsville has been designated South Carolina's "first Great town."

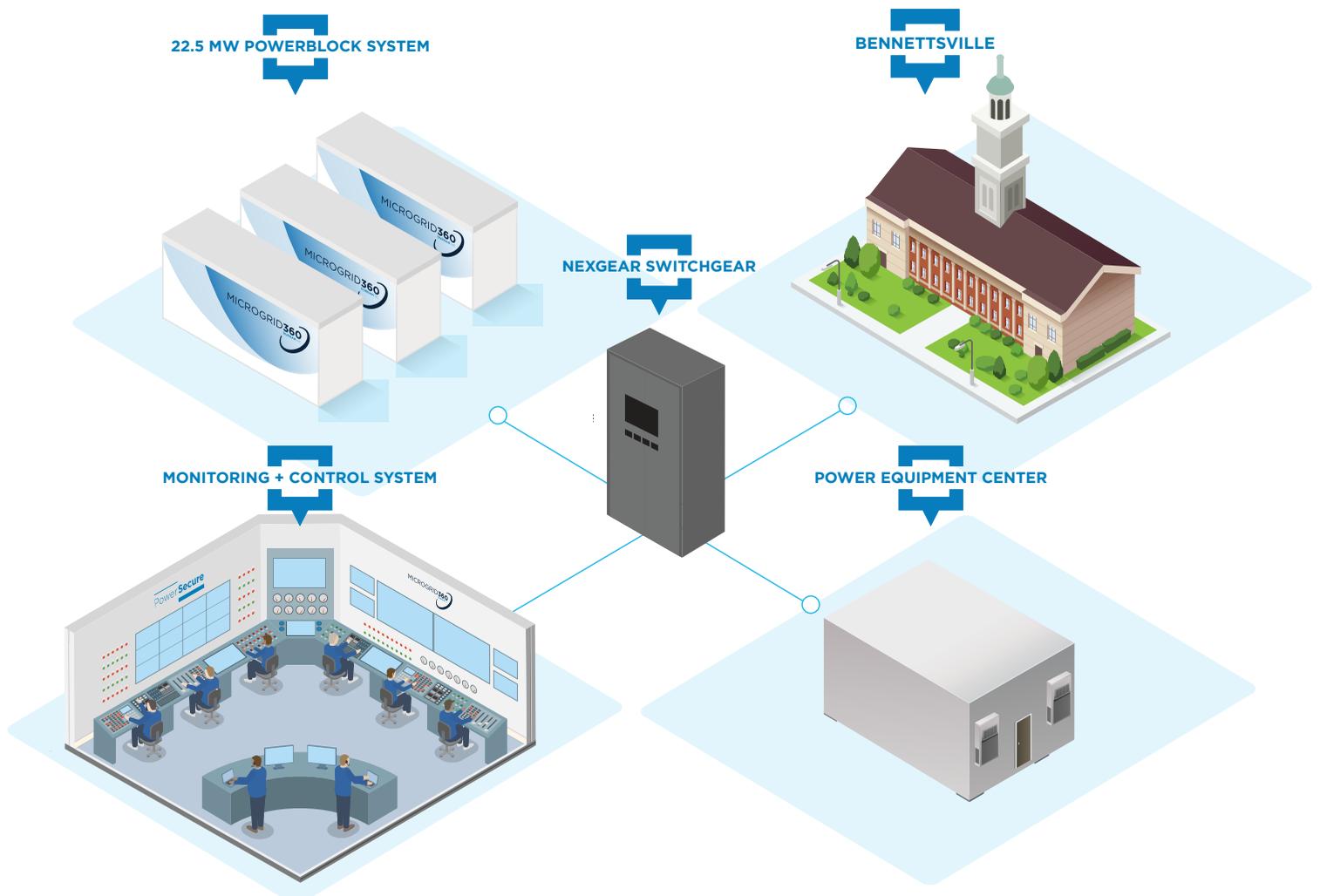
## THE PROBLEM

The City of Bennettsville required an electrical system that was capable of providing automatic stand-by to the entire city, having been affected by multiple hurricanes, while also ensuring a reduction in energy costs.

## THE SOLUTION

PowerSecure designed and engineered a 22.5 MW community microgrid capable of supporting Bennettsville's entire load.

Integrated directly into the City's substation, the microgrid supplements Bennettsville's electric services with automatic throw-over and stand-by capabilities. Moreover, the microgrid is utilized for load management in order to prevent costly peak demand tariffs, bolstered by PowerSecure's Tier 4 Final PowerBlock and NexGear switchgear.



# BENEFITS TO THE CITY OF BENNETTSVILLE

- 1** 100% standby power provided by microgrid
- 2** Constant grid monitoring by PowerSecure's 24/7 Operation Center
- 3** Dramatically increased system reliability