

## MG90 5G for Utilities — Increasing Flexibility and Grid Safety

### Meet Zach



Zach is a Sr. Operations Engineer for a large utility cooperative. Zach is responsible for integrating renewable energy from wind and solar panels and improving the performance of the local power grid.

### THE CHALLENGE

#### MANAGING THE INCREASE IN RENEWABLE ENERGY COMING INTO THE GRID AND INCREASING GRID SAFETY

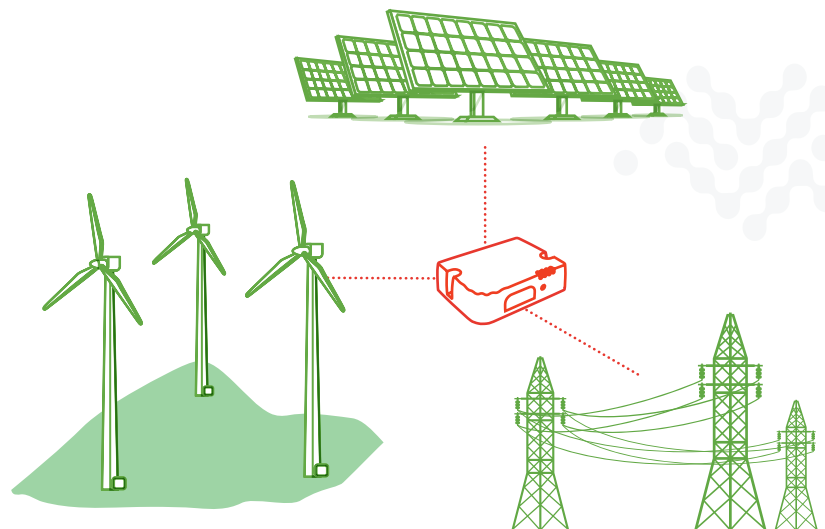
Zach needs to improve the utility's Feeder Automation (FA) systems which integrates renewable energy into the power grid. He is also looking to implement faster, more accurate, power grid controls to quickly isolate faults and improve the performance of applications including distribution automation and automated grid switching. Running separate hardwired or fiber optic cables to all these different locations is expensive and time consuming to set up. Zach is looking for a way to do this via wireless technology that is fast, reliable and secure.



### THE SOLUTION

#### USE AIRLINK MG90 5G TO DELIVER FAST, RELIABLE AND SECURE GRID CONTROL

The AirLink MG90 5G delivers Gigahertz communications speeds and very low latency. Using 5G network slicing, these communications can be fast and secure, and help isolate faults within milliseconds. Using 5G wireless communications for these systems saves cost over implementing copper or fiber lines and can be set up in a fraction of the time.



### THE RESULTS

#### BETTER RENEWABLE ENERGY INTEGRATION AND IMPROVED UTILITY RELIABILITY AND SAFETY

Using the AirLink MG90 5G, Zach can quickly integrate new renewable energy sources into the grid. It also help reduce utility downtime and better isolate downed circuits to reduce the impact on homes and businesses.