

## MG90 5G for Industrial/Manufacturing—Increasing Flexibility and Efficiency

### Meet Cory

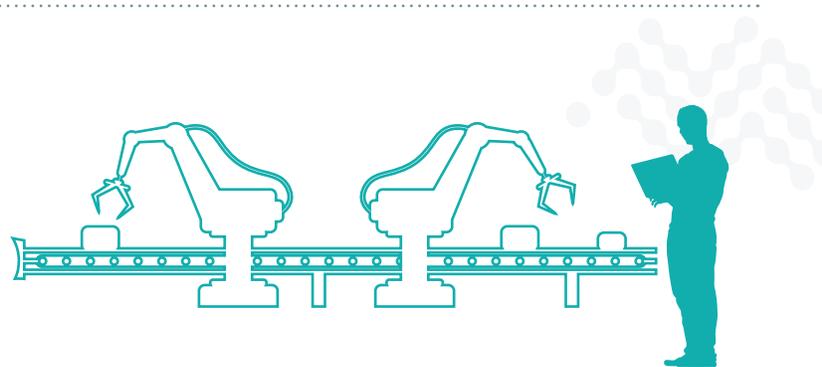


Cory is a Sr. Manufacturing Engineer for a large manufacturing company. He is responsible for improving plant process controls.

### THE CHALLENGE

#### TEST THE FEASIBILITY OF 5G ON THE MANUFACTURING FLOOR

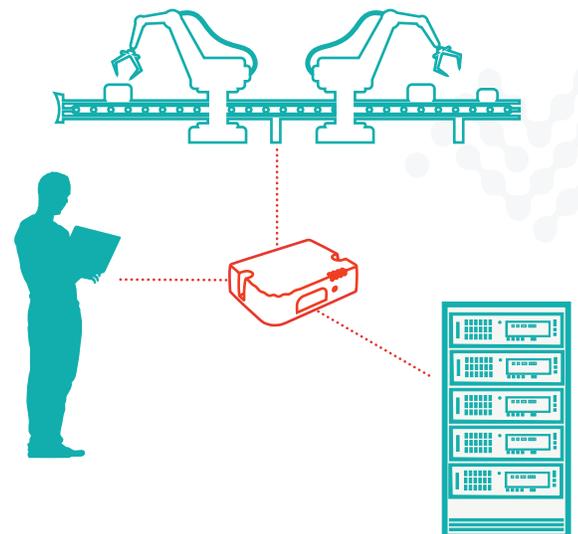
Cory's company has decided to develop trial use cases to see how 5G can work on the manufacturing floor. The company thinks that the higher bandwidth, lower latency, and increased reliability and security of 5G can help improve operations.



### THE SOLUTION

#### USE AIRLINK MG90 5G TO IMPLEMENT 5G MANUFACTURING CELLS

Cory installed an AirLink MG90 5G router in an experimental area of the plant. Cory uses the MG90 5G to communicate with cloud-based programmable logic controllers (PLCs). These cloud-based PLCs deliver real-time control for robotics and machinery without the need for ethernet connections or hardware-based PLCs. This greatly reduces factory costs and increases flexibility. Cory will use MG90 5G to collect streaming manufacturing data in real time and connect live feed cameras to various places in the test cell feeding live video analytics to flag issues that affect production.



### THE RESULTS

#### 5G WILL REVOLUTIONIZE MANUFACTURING

Cory's testbed results with the AirLink MG90 5G will validate processes that can be rolled out onto the main manufacturing floor. This will ultimately result in lower costs, higher quality and improved manufacturing flexibility.