Assembly Line Blues: How DAS is Helping Build The Cars of the Future

The Situation

The cars of the future will be built far more efficiently than the cars of today. Robotics and the Internet of Things will streamline production, boosting efficiency and profit margins. But before that happens, you need seamless connectivity. A large car manufacturer came to us looking for an indoor coverage solution. They needed to leverage an IoT manufacturing application for delivering high volume auto parts. The lack of connectivity was causing the production line to operate at a fraction of its capable speed, potentially costing the company millions in lost revenues.

The Challenge

How do you create coverage for an indoor auto manufacturing plant that totals 5 million square feet when the plant is located in a remote location and the current cellular signal strength isn't nearly strong enough?

The Solution

AT&T designed a comprehensive DAS system that provides robust cellular connectivity throughout the entire plant. Using a variety of routers connected to small cells, AT&T was able to boost signal strength, enabling the IoT application and the production line to function at maximum capacity.

The Benefits

With a newly functional, custom-built DAS, the auto plant is now able to commit to production schedules and predict volume, based on enhanced production line capabilities. What does that mean? It means new car shipments go out on time and more cars are available for purchase, while revenues and customer satisfaction is on the rise.