



Keep Your Robots Better Connected

# Innovative Connectivity for Robotics

Achieve new levels of efficiency, effectiveness and safety.

In 1954, the first industrial robot, Unimate, was used to stack hot metal on a New Jersey assembly line. Today, robots have evolved to learn, adapt, and make real-time decisions. They are equipped with AI and machine learning algorithms that allow them to improve their performance over time. This capability to 'learn' and 'adapt' is disrupting the status quo in sectors like manufacturing, healthcare, logistics, and more.

In manufacturing, robots speed up production while enhancing precision and reducing waste. They take on tasks deemed too dangerous or tedious for humans, improving safety and efficiency.

In warehouses, Autonomous Mobile Robots (AMR) provide the flexibility to automate tasks and scale operations. AMRs can be designed and programmed to perform a variety of material movement tasks such as receiving, inventory control, storage, picking, and sorting to improve efficiency.

For physical security, autonomous robots enhance facility safety with multi-spectrum cameras, two-way audio devices, and other sensor packages. In combination with AI and analytics, security



teams have increased situational awareness from a mobile platform that is deployed where it is needed when it is needed. Security robots can patrol 24/7, reduce risks to humans, and extend facilities' zone of awareness while simultaneously reducing the workload on individual security officers.

The progress in robotics presents a myriad of opportunities and challenges. As we continue integrating robots into various aspects of our lives, the need for reliable and robust systems to support these advanced machines becomes increasingly crucial.

Trilogy NextGen is committed to fostering the growth of robotics by providing advanced solutions designed to meet these unique needs. We understand the significance of reliable systems for the optimal performance of these machines.



**Leverage the reliable connectivity of end-to-end wireless networks and improve your efficiency, safety and uptime.**



## Enhance Your Robotics with Trilogy NextGen



### Increased Efficiency

Reliable connectivity allows robots to communicate with each other and central control systems making them more efficient and effective.



### Improved Safety

Through real-time monitoring, potential safety hazards can be discovered and resolved before an accident occurs.



### Maximize Uptime

Reduce downtime and stay operational by maintaining and servicing robots in real-time.

## Smarter Security with Better Connectivity

With Trilogy NextGen's expertise in building purpose-built Private LTE/5G and CBRS networks, organizations can be confident that their robotic tools are connected to a secure, reliable network supporting these advanced capabilities. By leveraging the power of robotics connectivity, organizations can achieve a new level of efficiency and safety in multiple settings and situations.

Trilogy NextGen designs, builds and manages high-speed networks that provide superior broadband speed, security, reliability and simplicity for private enterprises, educational institutions, smart cities, industrial plants and government agencies. Building on unique expertise spanning Broadband, Broadcast and Cloud, Trilogy NextGen delivers scalable connectivity solutions customized for any wireless network using private LTE/5G, Wi-Fi and ATSC 3.0 technologies.



## Fluent in Connectivity

Simplify your network with robust solutions that are reliable across every application and into every corner of your network.