

CASE STUDY TOYOTA MANUFACTURING PLANT

Precision Signal, Driven Performance

Cambridge, ON | Industry: Manufacturing

Description

Linkwave deployed an **Indoor Radio Distributed Antenna System (DAS)** at Toyota's Cambridge assembly plant to ensure seamless, plant-wide connectivity. Utilizing a **Hybrid Fiber/Coax** architecture, the solution delivers reliable **Operations Radio** coverage across the massive facility. This high-performance wireless infrastructure eliminates dead zones caused by industrial shielding, enabling the real-time communication.

By integrating this scalable DAS solution, Linkwave provided Toyota with the robust signal backbone required for site-wide safety and operational efficiency. The hybrid design ensures low-latency data and voice transmission, allowing the facility to maintain its world-class manufacturing pace.

Project Specifications

| Type | Details |
|-----------------------|-----------------------|
| Solution | Indoor Radio |
| System Type | Indoor Coverage (DAS) |
| Industry | Manufacturing |
| Technology | Operations Radio |
| Operators/Carriers | • Toyota |
| Solution Architecture | Hybrid Fiber/Coax |

About Toyota Manufacturing Plant

- Toyota Manufacturing Canada is recognized as the world's most awarded automotive manufacturing plant
- Toyota Manufacturing Canada has the capacity to build over 500,000 vehicles a year – roughly one car every minute
- This plant sends zero waste to landfills annually and captures heat from manufacturing to power an on-site greenhouse