CASE STUDY PICKERING NUCLEAR GENERATING STATION

Securing Connectivity at Pickering Nuclear

Pickering, ON | Industry: Energy

Description

Pickering Nuclear Generating Station (PNGS) is a cornerstone of Canadian energy and a high-security landmark of Canadian infrastructure. Providing approximately 14% of Ontario's electricity, the facility is a massive environment where operational safety and reliable communication are non-negotiable. To maintain its status as a world-class energy hub, the station requires hardened, mission-critical connectivity that can withstand the rigors of a nuclear environment.

Linkwave provided the robust network backbone necessary for seamless site-wide communication, supporting both daily operations and the stringent public safety protocols required to power two million homes and businesses. By integrating advanced HSPA, LTE, and 5G technologies with robust Public Safety Radio, Linkwave provides the reliable infrastructure.

Project Specifications

Type	Details
Solution	Public Safety Radio
System Type	Indoor Coverage (DAS)
Industry	Energy
Technology	Cellular: • HSPA, LTE & 5G Public Safety • Public Safety Radio
Operators/Carriers	Bell, Telus, Durham Police, Ontario Power Generation
Solution Architecture	Hybrid Fiber/Coax DAS

About Pickering Nuclear Generating Station

- Constructed in stages between 1965 and 1986, PNGS is one of the oldest nuclear power stations in the world and third largest in Canada
- Powers 1.5 Million Homes Annually
- Avoids equivalent emission of 643,000 gas-powered cars