Operational efficiency with Private Wireless

in Mining and Airport industries

Private LTE for Airports

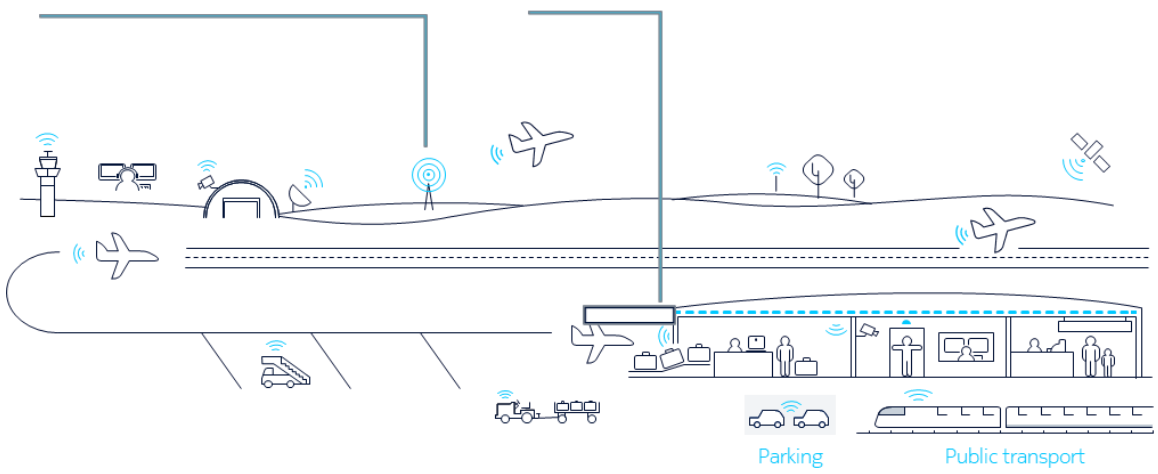
Establishing the foundation for a smart airport

WIRELESS EVERYWHERE

- Full Airfield Coverage
- Landside & Airside
- Vehicle Connectivity

DEDICATED CAPACITY

- Dedicated per Apron capacity
- Ground Handling, Airline, Refueler
- Small cells to guarantee coverage & capacity



PRIVATE & MULTISERVICE

- Reliable, predictable services
- New Revenue Models
- reduced TCO
- Investment Protection
- Evolution path to 5G
- Voice, Groups, Data, Video, IoT

USE CASES

- **Operational Critical comms**
  - Individual / Group
  - Vehicle Connectivity
- **Situational Awareness**
  - Body cams
  - Drones
- **Passenger Experience**
  - More WiFi capacity to Pax
- **Revenue**
  - Wireless commercialization

Private LTE for Mining

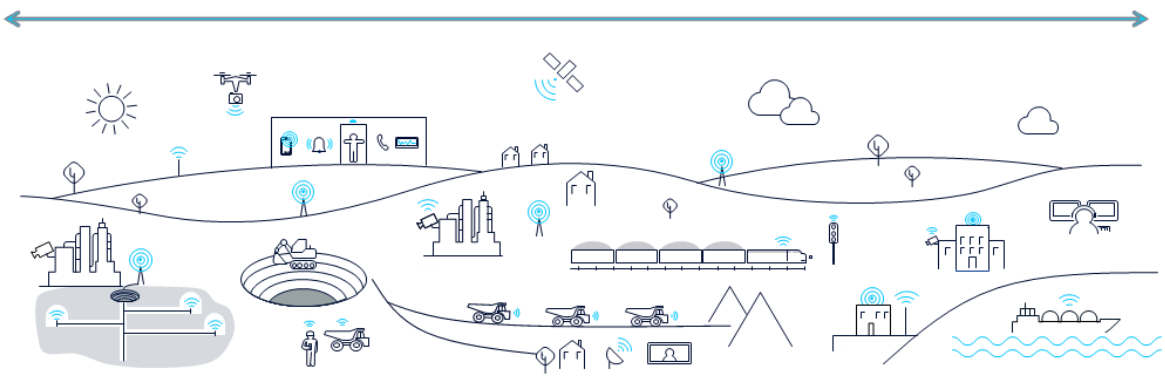
Creating safer, more efficient and productive mines

WIRELESS FROM PIT TO PORT

- Open pit & underground
- Drilling & blasting
- Loading & hauling
- Crushing & processing
- Stockpile & load out
- Rail & shiploading
- Wastewater & electricity
- CCTV, telemetry & remote control

CAPACITY & COVERAGE

- Less APs needed than Wi-Fi
- More services than PMR/LMR
- eMBB, eMTC, NB-IoT
- Low-latency, precise location
- Robust, reliable, secure



USE CASES

- **Operational Critical comms**
  - PTT/PTV
  - Remote operations
  - M2M/IOT
- **Situational Awareness**
  - People, trucks & equipment
  - Sensor networks
  - CCTV cameras
  - Drones
- **Safety & sustainability**
  - People, vehicles, machines
  - Geo-fencing
  - Health & fatigue
  - Slopes, air, water, weather
- **Extreme automation**
  - ADS & AHS
  - Remote ctrl & collaboration
  - Asset maintenance

Contact

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