

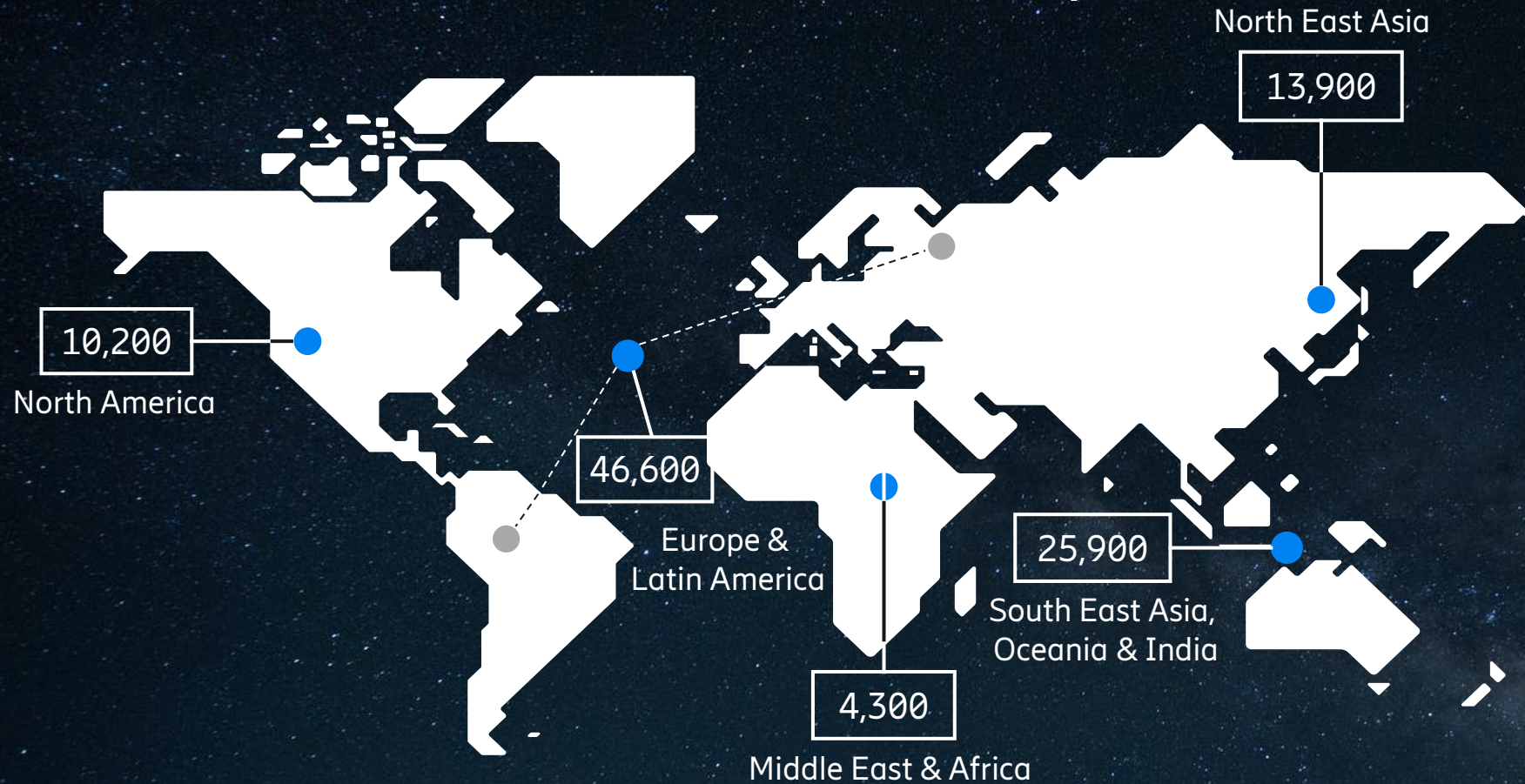
What industrial pioneers are doing with 5G



Rowan Högman
Director Research Partnerships and Ecosystems
Ericsson Research



Ericsson - ICT and 5G leader present in 180 countries



180 countries
232 BSEK in sales
100,800 employees
57,000 patents

Networks

Radio, Transport and related services

Digital Services

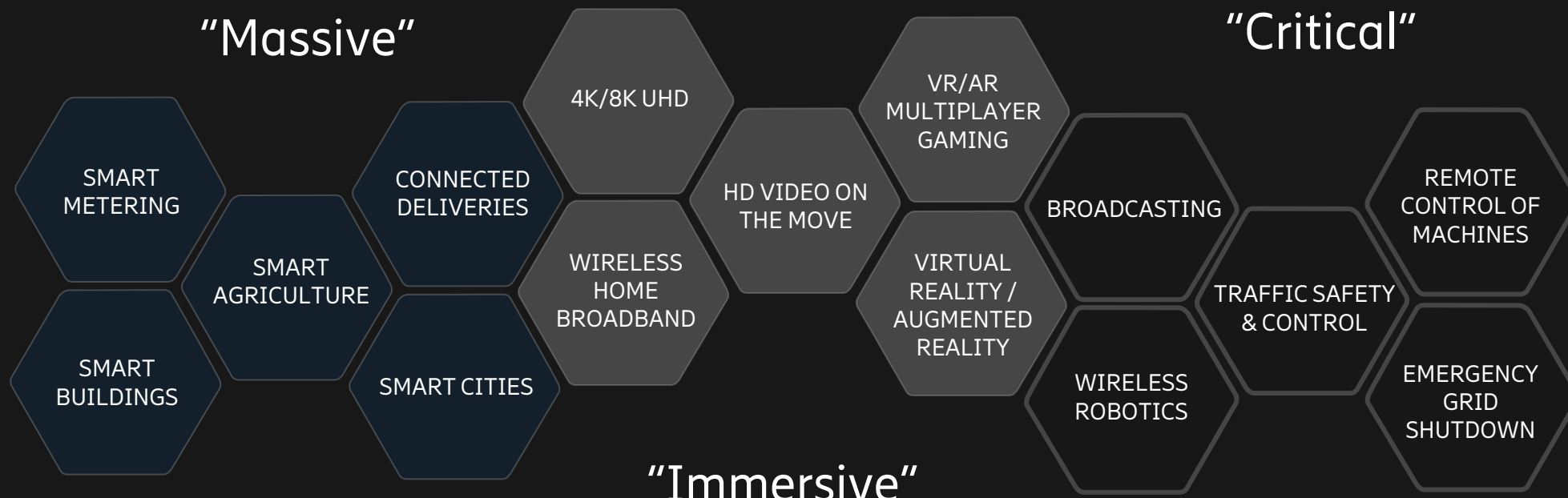
Operations & Business Support systems and Core networks

Managed Services

Design, Deploy, Operate and Manage telecom and IT networks

Technology & New Businesses

IoT Solutions for Industries and New Businesses

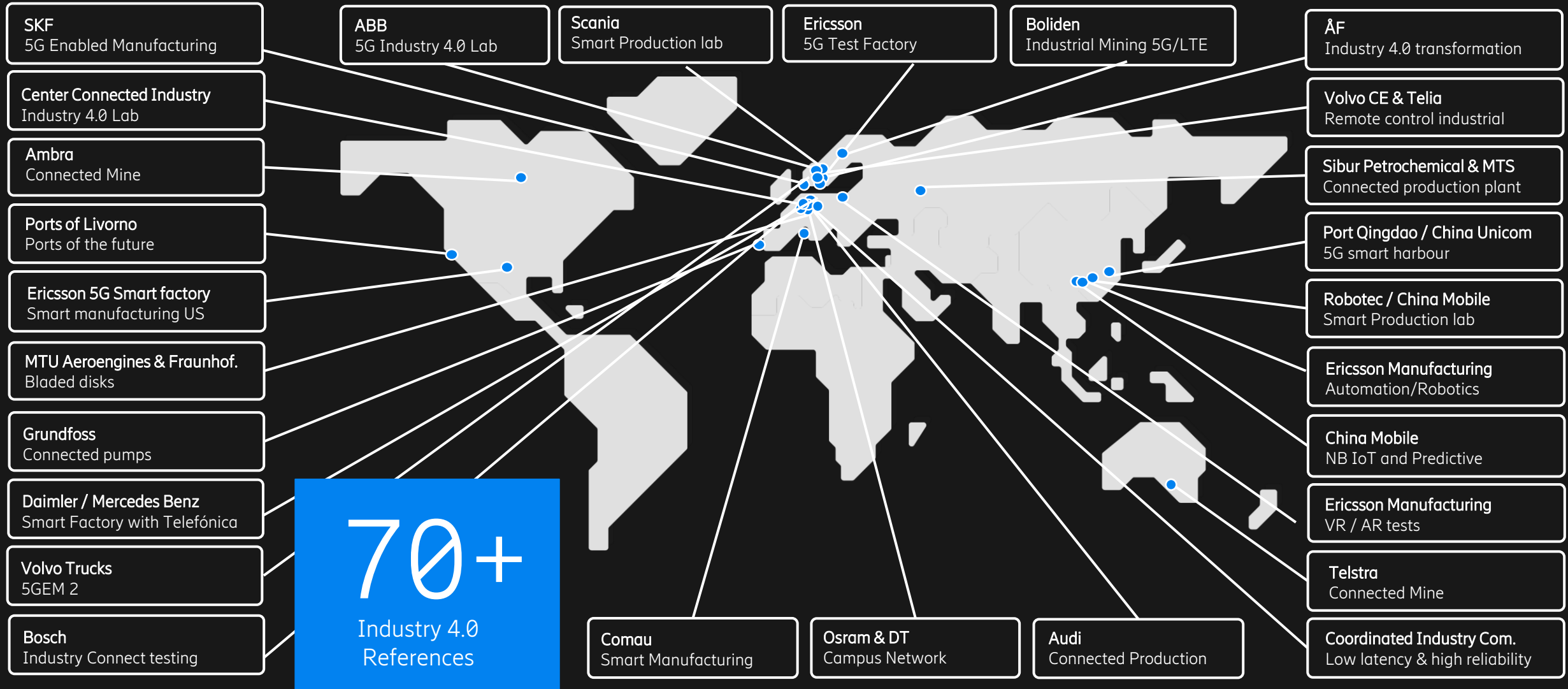


5x Network energy efficiency	10x Lower cost per bit	1,000x Mobile data volumes	Safety Increased	10x Positioning precision
100x More devices	Low Cost devices	10-100x End-user data rates	Security Increased	5x Lower delay

5G - One Network to serve varying needs...

5G for industries

Established 2015





Connected mines



Connected
manufacturing
facilities



Connected Logistics



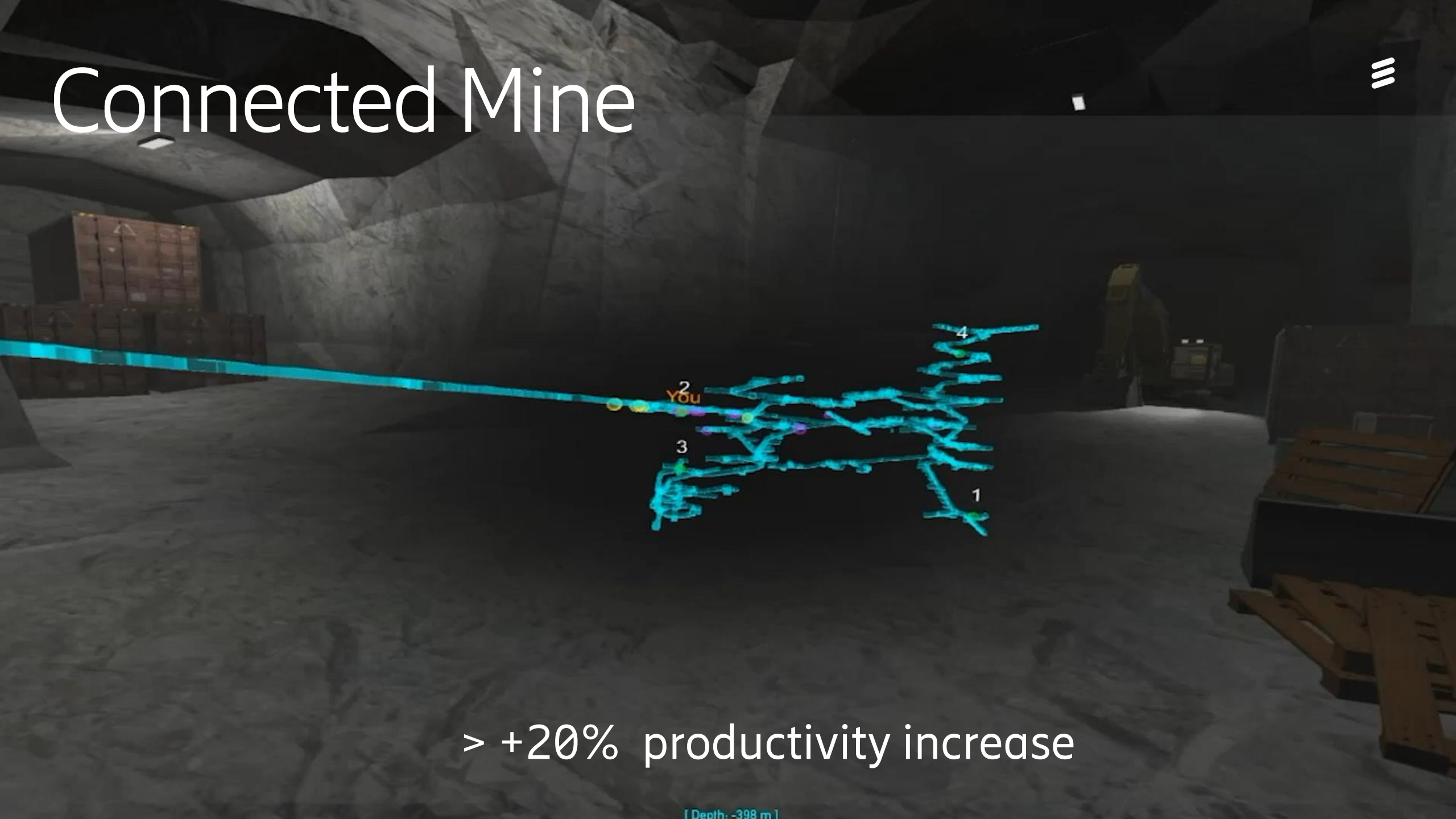
Connected products



Connected mines



Connected Mine



> +20% productivity increase

[Depth: -398 m]

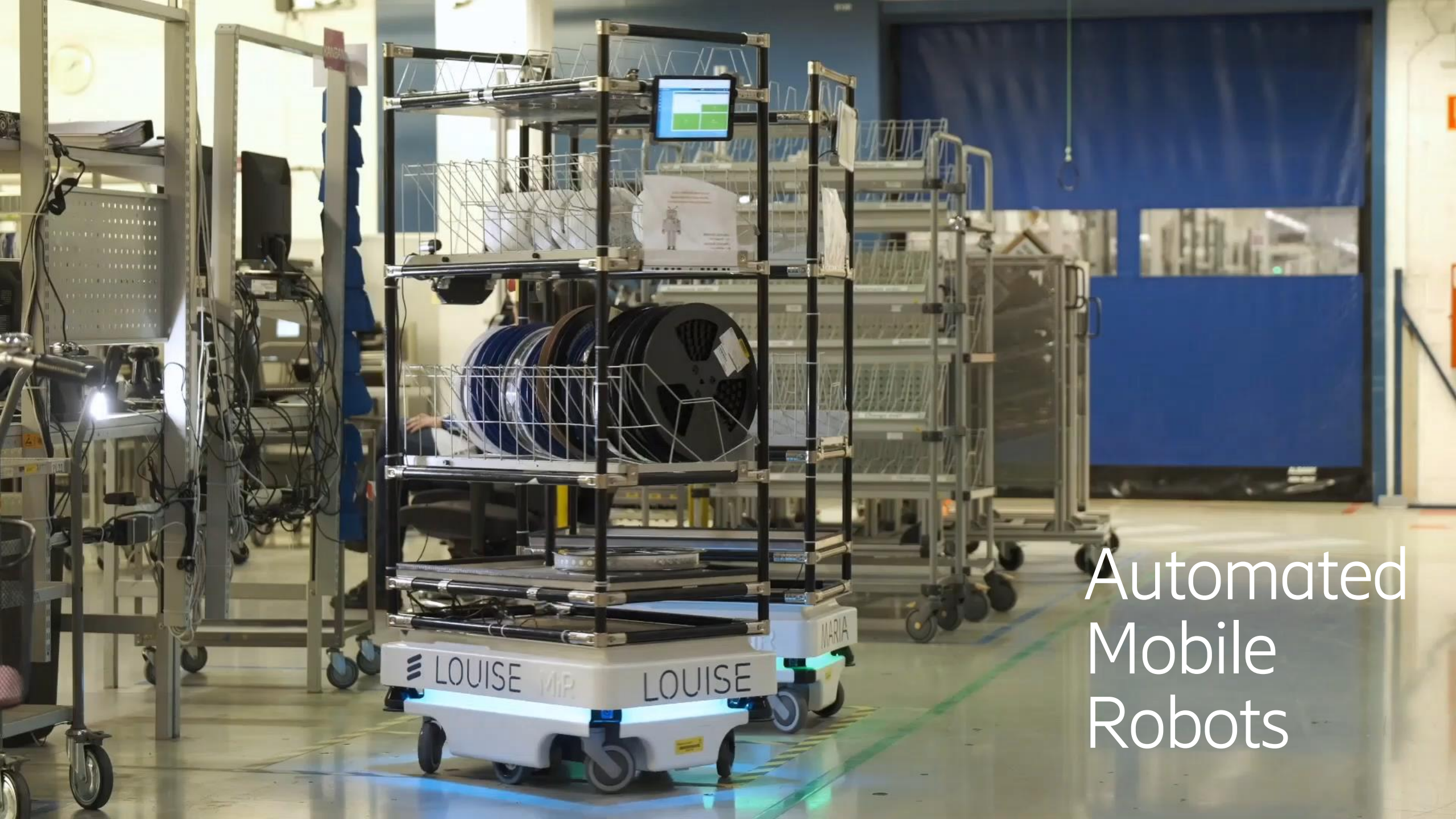


Connected
manufacturing
facilities



Data showering





Automated
Mobile
Robots

Augmented Reality

A technician in a white lab coat and safety glasses is seated at a workstation in a laboratory, using a tablet to view augmented reality data. The workstation is equipped with multiple monitors displaying technical data, a microscope, and various electronic equipment. Another technician is partially visible in the background.

Troubleshooting time reduced 15%.



Connected Ports



70% savings in labour costs
100 KUSD savings per hour in port

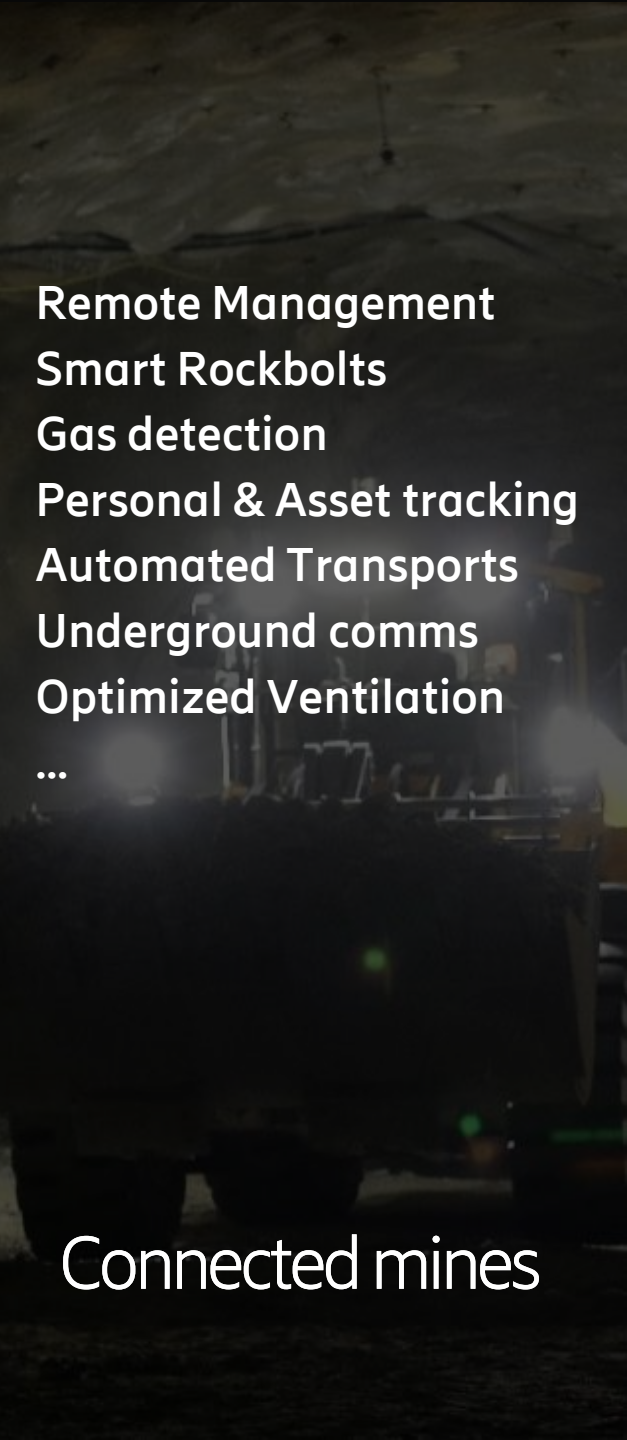




Connected products

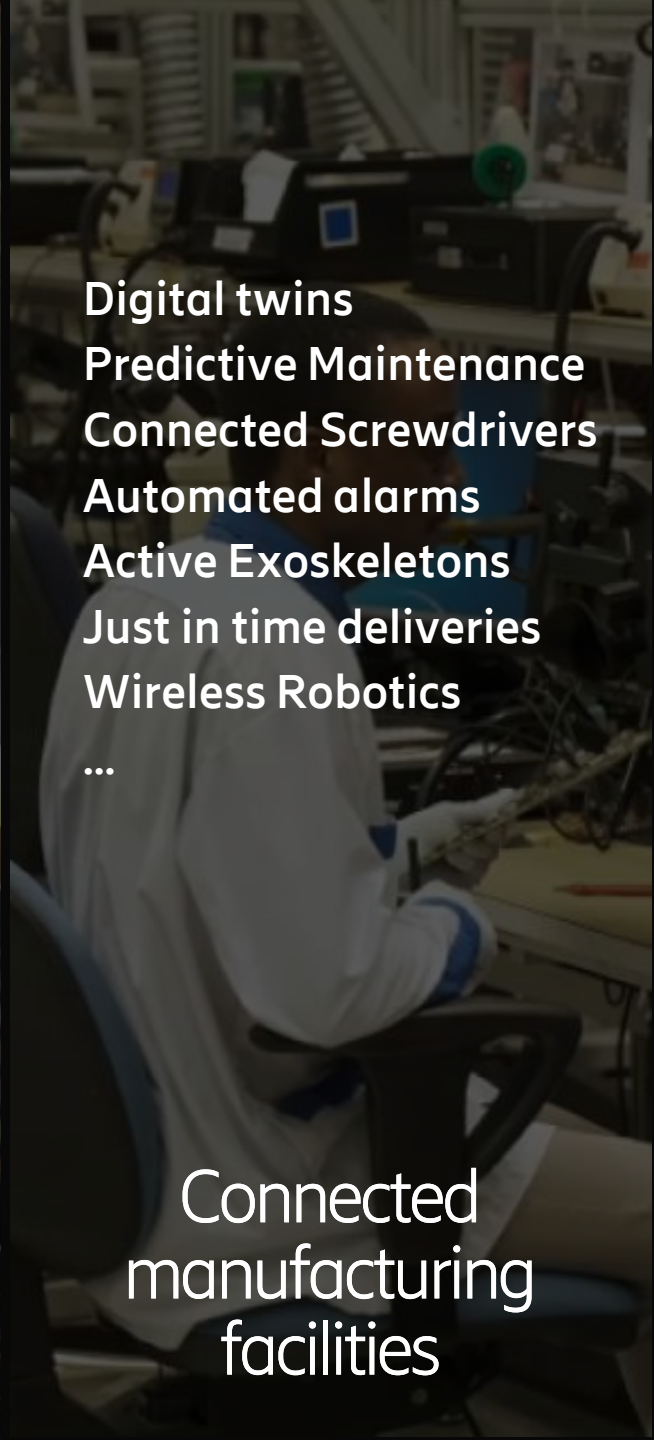
Connected products





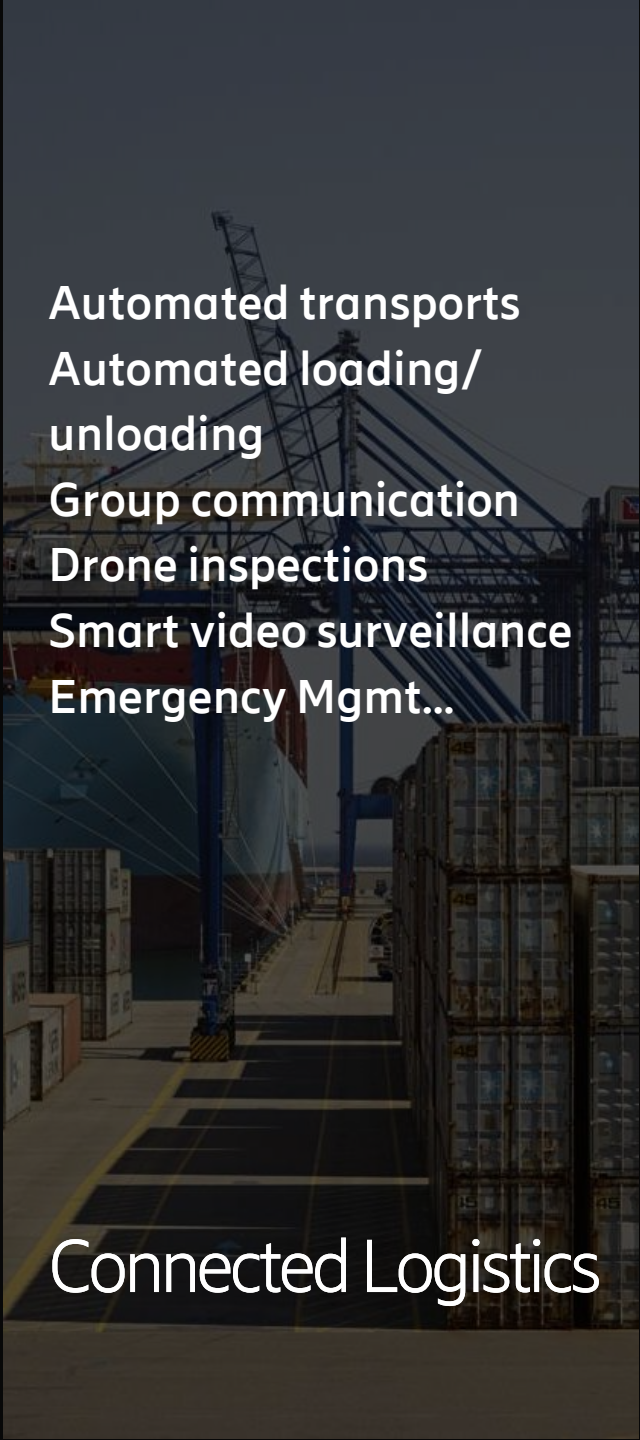
Remote Management
Smart Rockbolts
Gas detection
Personal & Asset tracking
Automated Transports
Underground comms
Optimized Ventilation
...

Connected mines



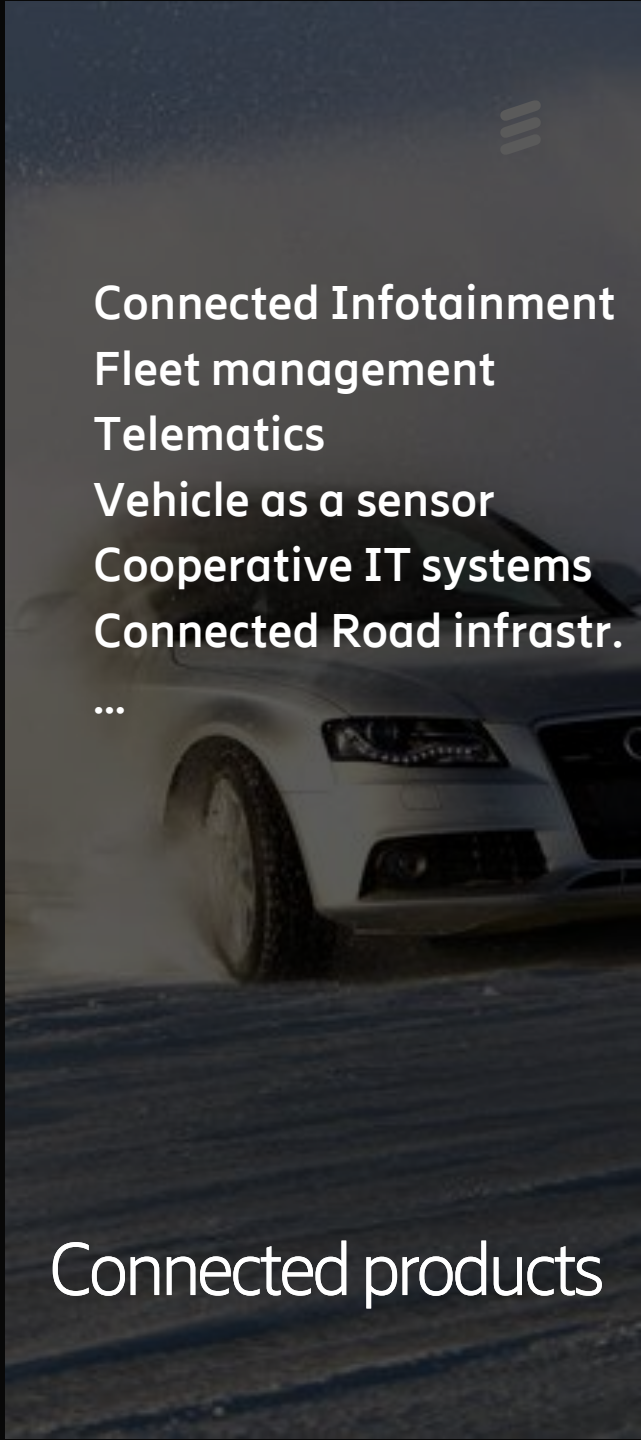
Digital twins
Predictive Maintenance
Connected Screwdrivers
Automated alarms
Active Exoskeletons
Just in time deliveries
Wireless Robotics
...

Connected
manufacturing
facilities



Automated transports
Automated loading/
unloading
Group communication
Drone inspections
Smart video surveillance
Emergency Mgmt...

Connected Logistics



Connected Infotainment
Fleet management
Telematics
Vehicle as a sensor
Cooperative IT systems
Connected Road infrastr.
...

Connected products



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