What industrial pioneers are doing with 5G

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Ericsson - ICT and 5G leader present in 180 countries

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

- North America: 10,200 employees
- Europe & Latin America: 46,600 employees
- North East Asia: 13,900 employees
- South East Asia, Oceania & India: 25,900 employees
- Middle East & Africa: 4,300 employees

180 countries
232 BSEK in sales
100,800 employees
57,000 patents
5G - One Network to serve varying needs...

"Massive"
- 5x Network energy efficiency
- 10x Lower cost per bit
- 100x More devices

"Critical"
- 1,000x Mobile data volumes
- Safety Increased
- 10x Positioning precision

"Immersive"
- 10-100x End-user data rates
- Security Increased
- 5x Lower delay

Applications:
- Smart Metering
- Connected Deliveries
- Wireless Home Broadband
- Wireless Robotics
- Broadcasting
- Traffic Safety & Control
- Emergency Grid Shutdown
- Remote control of machines
- SMART Agriculture
- Wired Buildings
- Smart Cities
- VR/AR Multiplayer Gaming
- Virtual Reality
- Augmented Reality
- 4K/8K UHD
- HD Video on the Move
5G for industries
Established 2015

References
- SKF 5G Enabled Manufacturing
- ABB 5G Industry 4.0 Lab
- Scania Smart Production lab
- Ericsson 5G Test Factory
- Boliden Industrial Mining 5G/LTE
- Center Connected Industry Industry 4.0 Lab
- Ambra Connected Mine
- Ports of Livorno Ports of the future
- Ericsson 5G Smart factory Smart manufacturing US
- MTU Aeroengines & Fraunhofer Bladed disks
- Grundfoss Connected pumps
- Daimler / Mercedes Benz Smart Factory with Telefónica
- Volvo Trucks 5GEM 2
- Bosch Industry Connect testing
- Comau Smart Manufacturing
- Osram & DT Campus Network
- Audi Connected Production
- AF Industry 4.0 transformation
- Volvo CE & Tella Remote control industrial
- Silur Petrochemical & MTS Connected production plant
- Port Qingdao / China Unicom 5G smart harbour
- Robotec / China Mobile Smart Production lab
- Ericsson Manufacturing Automation/Robotics
- China Mobile NB IoT and Predictive
- Ericsson Manufacturing VR / AR tests
- Telstra Connected Mine
- Coordinated Industry Com. Low latency & high reliability
Connected mines
Connected manufacturing facilities
Connected Logistics
Connected products
Connected mines
Connected Mine

> +20% productivity increase
Connected manufacturing facilities
Data showering
Automated Mobile Robots
Augmented Reality

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

Connected manufacturing facilities

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

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