

# ERICSSON UPDATE ON IOT AND 5G GLOBAL DEPLOYMENT

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## IOT & DIGITALIZATION

EVOLVING WITH WIDE RANGE OF USE CASES AND REQUIREMENTS



## **Massive MTC**



**SMART** 

**METER** 



LOGISTICS, TRACKING AND FLEET **MANAGEMENT** 



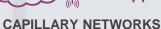


**AGRICULTURE** 









## **M2M Today**

- **Electricity meters**
- **Connected cars**
- **POS** terminals













## **Critical MTC**



CARE



**TRAFFIC SAFETY &** CONTROL



REMOTE MANUFACTURING, TRAINING, INDUSTRIAL APPLICATION **SURGERY** & CONTROL

## **Massive IoT Access**

LOW COST, LOW ENERGY **SMALL DATA VOLUMES MASSIVE NUMBERS** 

- > 400 million cellular M2M connections
- **Majority over GPRS**

## 4G Evolution & 5G

**ULTRA RELIABLE EXTREM LOW LATENCY** VERY HIGH AVAILABILITY

# INDUSTRY DIGITALIZATION HIGH EXPECTATIONS AS EVERY INDUSTRY GETS CONNECTED





10Gbps peak data rate
10Mbps-100Mbps everywhere
10x-1000x data volume
1ms latency
10 years battery lifetime
10x-100x connected devices

## FOCUSED STRATEGY

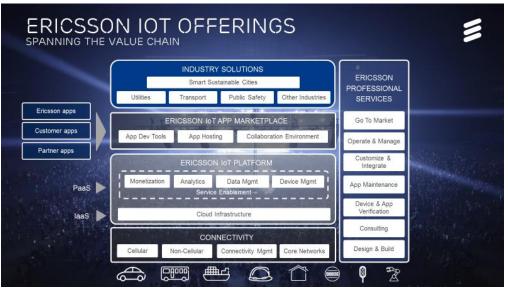
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#### IoT Innovation and Scale

- > IoT is at the heart of Ericsson's new business strategy
- Ericsson brings unrivaled E2E capabilities and industry insights
- Ericsson IoT Accelerator as the centerpiece of innovation, ecosystem collaboration and global partnerships

#### **5G Technology Leadership and Ecosystem**

- Market leader over 30 MoUs
- Technical leadership multiple world's firsts
- > Extensive industry ecosystem

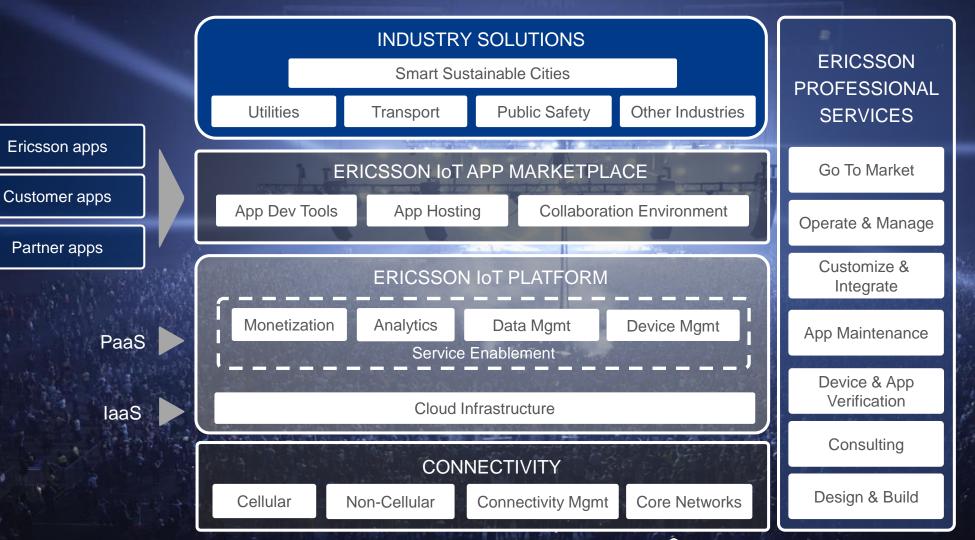




# ERICSSON IOT OFFERINGS

ADDRESS THE VALUE CHAIN E2E















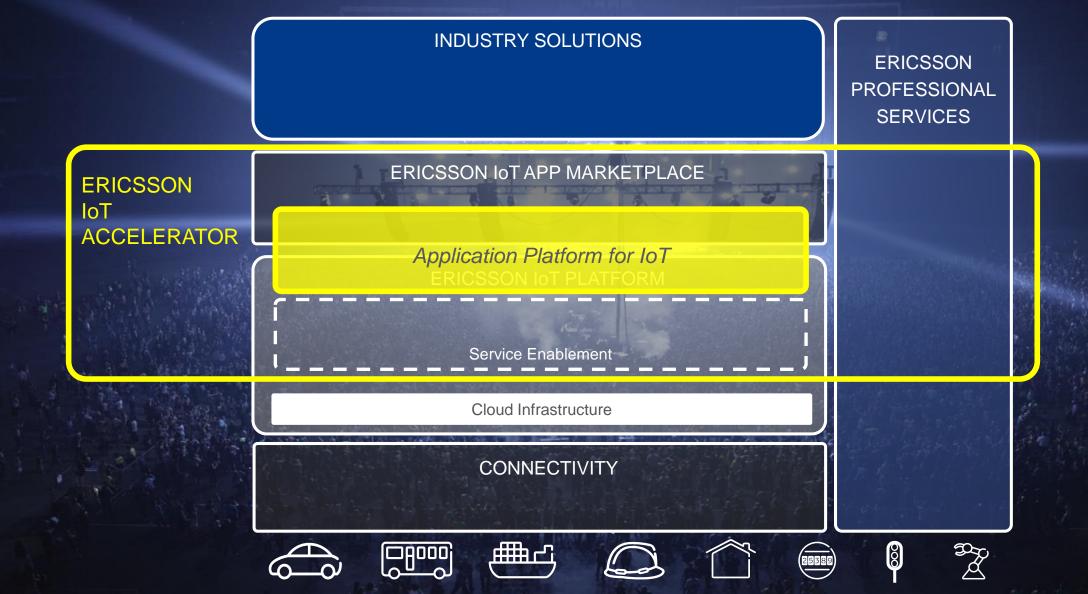




# ERICSSON IOT OFFERINGS

ADDRESSING THE VALUE CHAIN E2E





# ERICSSON APPLICATION PLATFORM FOR IOT





## 5G FOR INDUSTRIES

**EXAMPLES** 

## 5G for Port Operations Subtitle

- Evaluate 5G technology in manufacturing industry
  - Wireless communication at high bandwidth and/or low latency
  - Intelligent Transport Systems (ITS)
  - Mission critical clouds (MCC)
  - Data analytics
  - Security and safety



· Enhance port eneration



#### Cloud robotics

For industry and agriculture



- Wireless connectivity (LTE/5G) to minimize wires and enable robot mobility in plant an in field
- Coordination in cloud of operations between working areas/ground and robots
- Lean approach to manufacturing and agriculture
- Sustainability



- > Improved production/farming efficiency
- Enhance human safety in production/farming chain
- Concentrate human work to added value tasks, leaving routine to robots



 Evaluate 5G technology in manufacturing industry

- Wireless factory communication
- Industrial Internet of Things (IIoT)
   Mission critical clouds (MCC)
- Data analytics

5GEM





- · Increased flexibility
- · Excellent traceability





5G-ENABLED WORLD CLASS MANUFACTURING







**ERICSSON**