How IOT enables digital value in industry 4.0

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Roland Uhlmann
Key Account Manager Swiss Market & IoT lead

Industry Transformation
From Silos to an ecosystem of ecosystems

M2M

IoT

Vertical Silos

Business Models

Cross-Industry

Technology Focus

Processes

Business Focus

Single-Purpose

Infrastructure

Multi-Purpose

Building the technology platform

Things	Network	Connectivity platform	Application platform	Data center & Apps
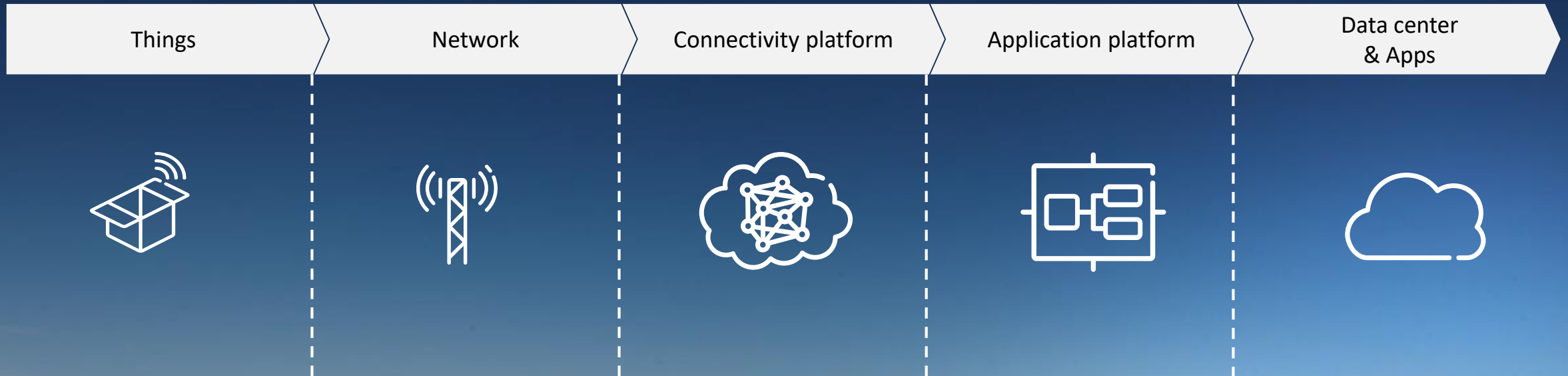
Things with e.g. **SW and sensors** that measure the surrounding

Either wireless or wired connectivity that connects 'Things' to platforms and data centers

Connected device platform **managing connectivity for 'Things'**

Application enablement **platform for Apps utilizing 'Thing' data**

Applications developed on top of the application **platform**

Digitization of the assets and things
Embedded Software

Near field
Long Range Low Po
2/3/4/5G

M2M
Device Connectivity
Platform

B2C Customer experience
B2B Decision Support
Ecosystem/Data

Digital Giants
AWS, Azure,
Google

How Ericsson help to speed up transformation

Industry specific solutions

| Telecom | Utilities | Automotive | ITS | Maritime | Public Safety |

ERICSSON IoT ACCELERATOR

- MARKETPLACE & ECOSYSTEM ENABLEMENT
- ORCHESTRATION, INTEGRATION & AUTOMATION
- DEVICE & DATA MANAGEMENT
- CONNECTIVITY MANAGEMENT

CLOUD

| On Premise | Private | Public |

NETWORK CONNECTIVITY

| Cellular IoT | Non-Cellular IoT | 5G Core System |

DEVICES

SDK Integration

Professional Services

- Consulting
- SI
- Customization
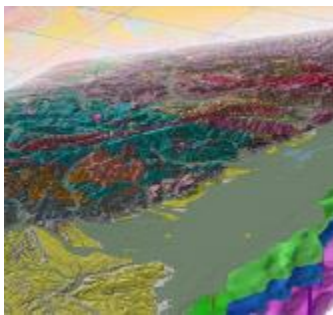- Migration
- Device & App Verification
- App Dev & Maintenance
- Operation & Field Service

How Ericsson Participates in IOT Today

MASSIVE MONITORING

ASSET MANAGEMENT AND TRACKING

REMOTE OPERATIONS AND ROBOTS

INFRASTRUCTURE MONITOR AND CONTROL
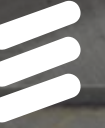
Illustrated industry 4.0 use case

RRU PRODUCTION LINE 1
RRU 生产线 1

CONNECTED FACTORY NANJING TRIAL

CONNECTED FACTORY | CHINA MOBILE WUXI SITE | INTERNET

NB-IoT
MODULE
CMCC SDK

RU+DU
e.g. RDS

vEPC

Internet

China Mobile "OneNet"
Open Lab platform

China Mobile
Open Lab platform

Ericsson
IoT Analytics

Cloud based Application

"The screwdriver story"

IoT Use cases in Connected Factory