5G
Network Slicing
Edge
Automation/AI/ML

Balaji Ethirajulu

5G is use case driven

Massive MTC

Critical MTC

Enhanced MBB

Fixed Wireless Access

Ericsson 5G platform

Ericsson Digital BSS

Ericsson Management & Orchestration

Ericsson Radio System

5G Access

5G Transport

Ericsson Cloud Core

Ericsson Cloud Communication

Ericsson Cloud Infrastructure
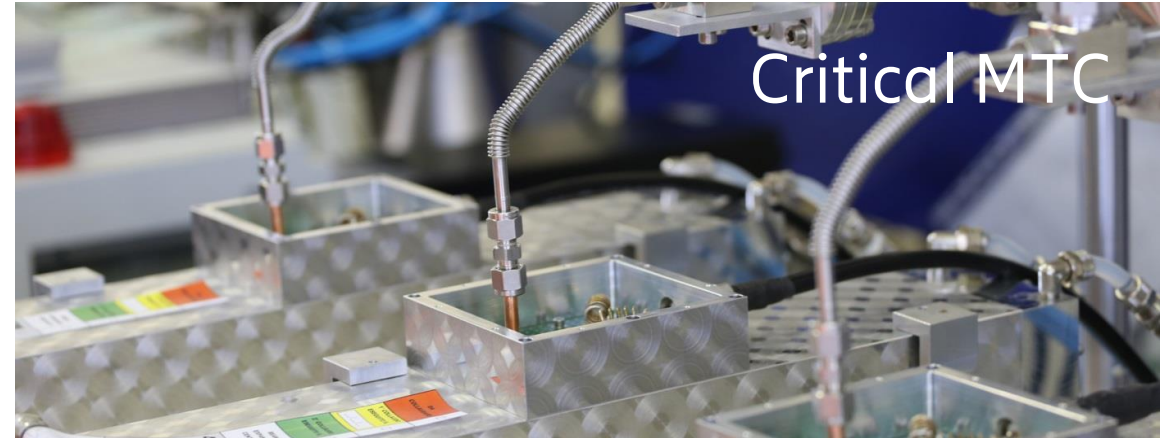
Ericsson Network Services
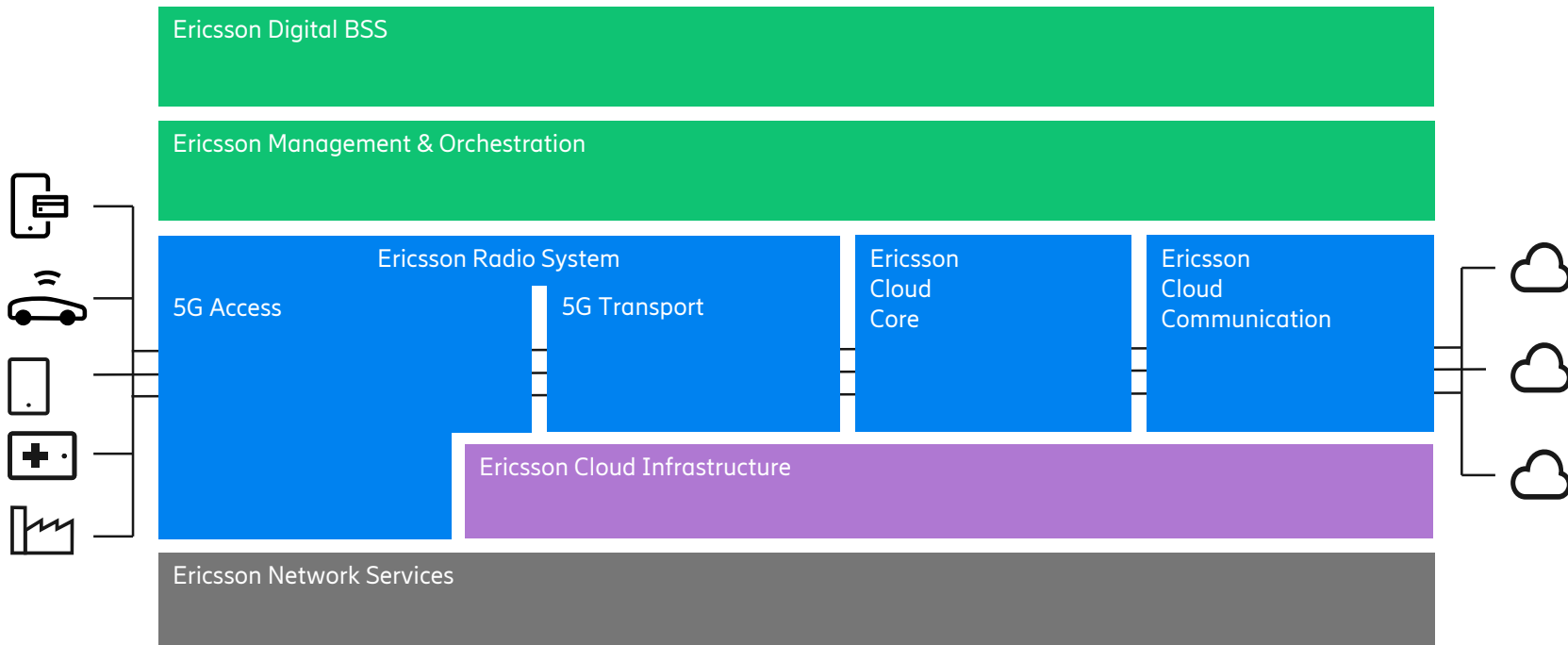
Smooth network evolution and deployment at scale

5G

New 5G services require network slicing & distributed cloud

Orchestration
(automated application placement, lifecycle management & networking)

Access Clouds / On Prem (1000+)

Aggregation Clouds (100+)

Central Clouds (10+)

Public safety

Automotive

FWA

Factory

Video streaming

Metering

APP
VNF

VNF

APP
VNF

APP
VNF

APP

VNF APP

APP
VNF

VNF

Access sites

Aggregation sites

Central datacenters

Global clouds

— New 5G services will vary in terms of required QoS

— Therefore, Applications and VNFs will need to be deployed in different sites across the network

— The complexity this brings will require an Orchestration solution for efficient management

APP   3PP Application

VNF   Telco Application