

# Ericsson Cloud RAN @FCC



Paul Challoner  
VP Network Product Solutions  
Ericsson

# Ericsson Cloud RAN

Secure and trusted Open RAN solution



A network can be built in many ways.

Any  
field

Any  
site

Any  
cloud

Any  
server



# A network can be built in many ways



## Any field

### Greenfield



### Bluefield\*



### Brownfield



## Any site

### Distributed



### Centralized



### Indoor



### Enterprise



## Any cloud

### Any cloud platform



### Any server



\*Bluefield: Introducing new technology into an existing network as opposed to expanding capacity in an existing network(Brownfield) or adding new sites(Greenfield). Bluefield sites incorporate cloud technology elements into existing networks.

# The directions are simple. Possibilities endless.



Cloud  
RAN DU

Dense  
compute  
capacity

World leading  
Massive MIMO  
radios

Combined  
5G Bands

Destination:

World's  
highest capacity  
Cloud RAN

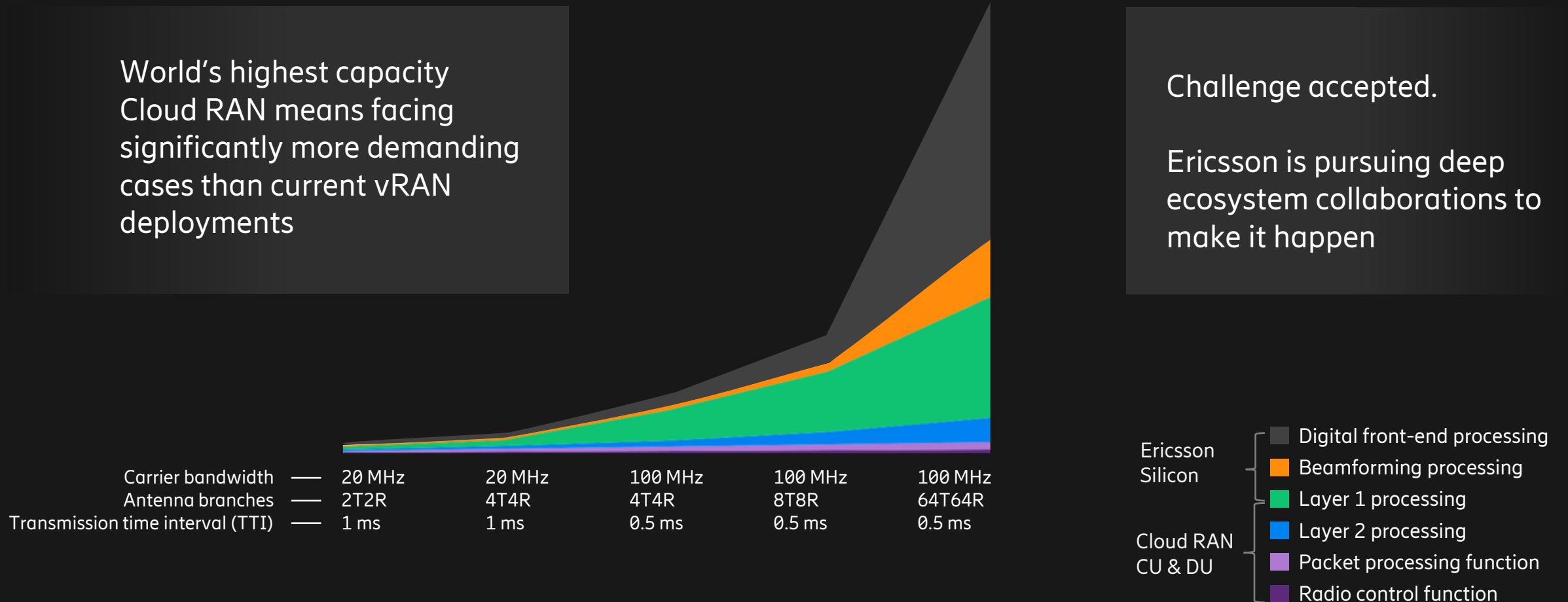
# 5G drives exponential increase in Cloud RAN processing needs



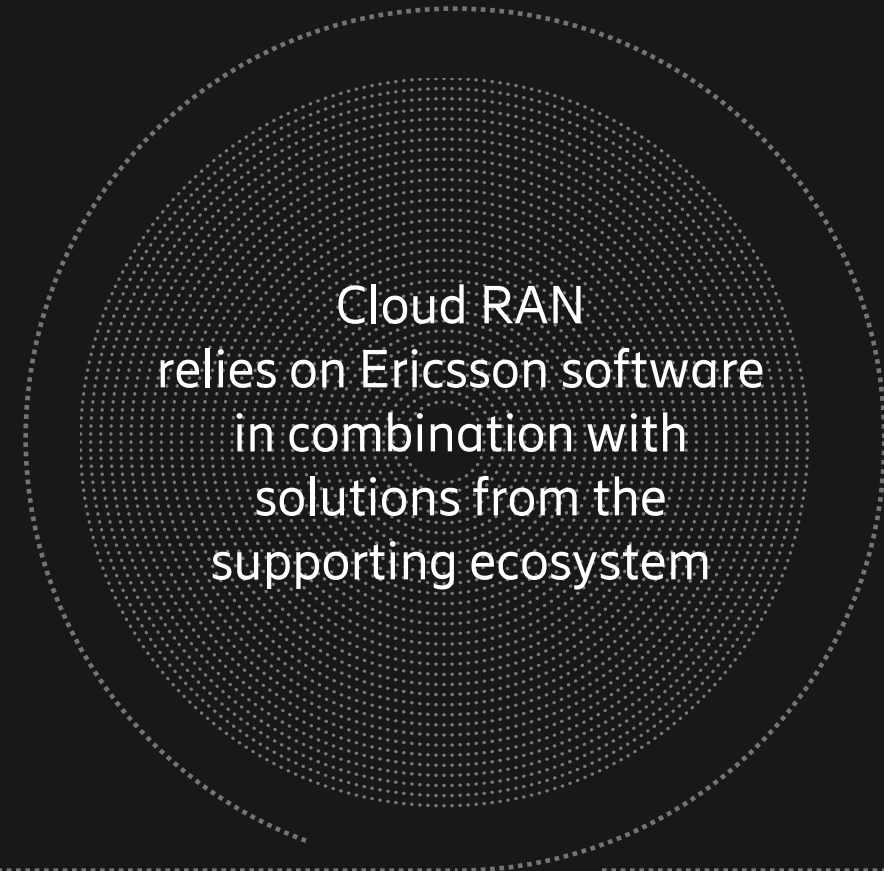
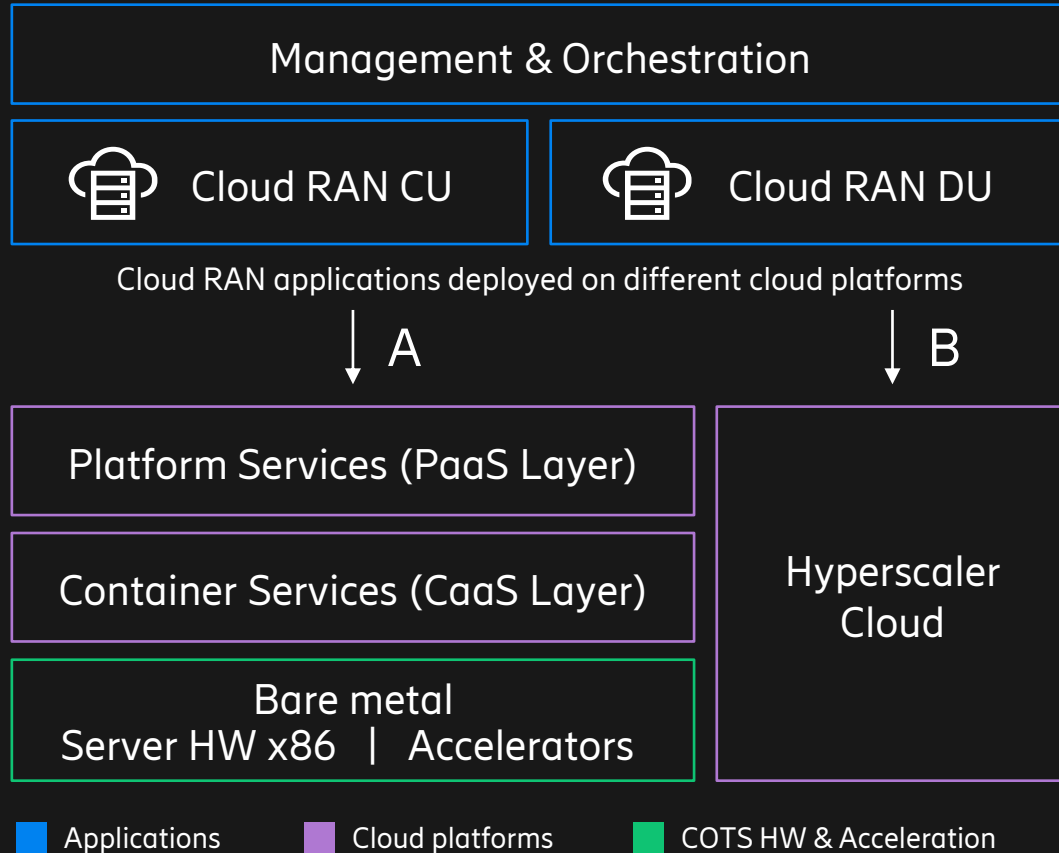
World's highest capacity Cloud RAN means facing significantly more demanding cases than current vRAN deployments

Challenge accepted.

Ericsson is pursuing deep ecosystem collaborations to make it happen



# An Open Cloud RAN ecosystem



# Open US ecosystem united towards the world's highest capacity Cloud RAN



**Hewlett Packard**  
Enterprise

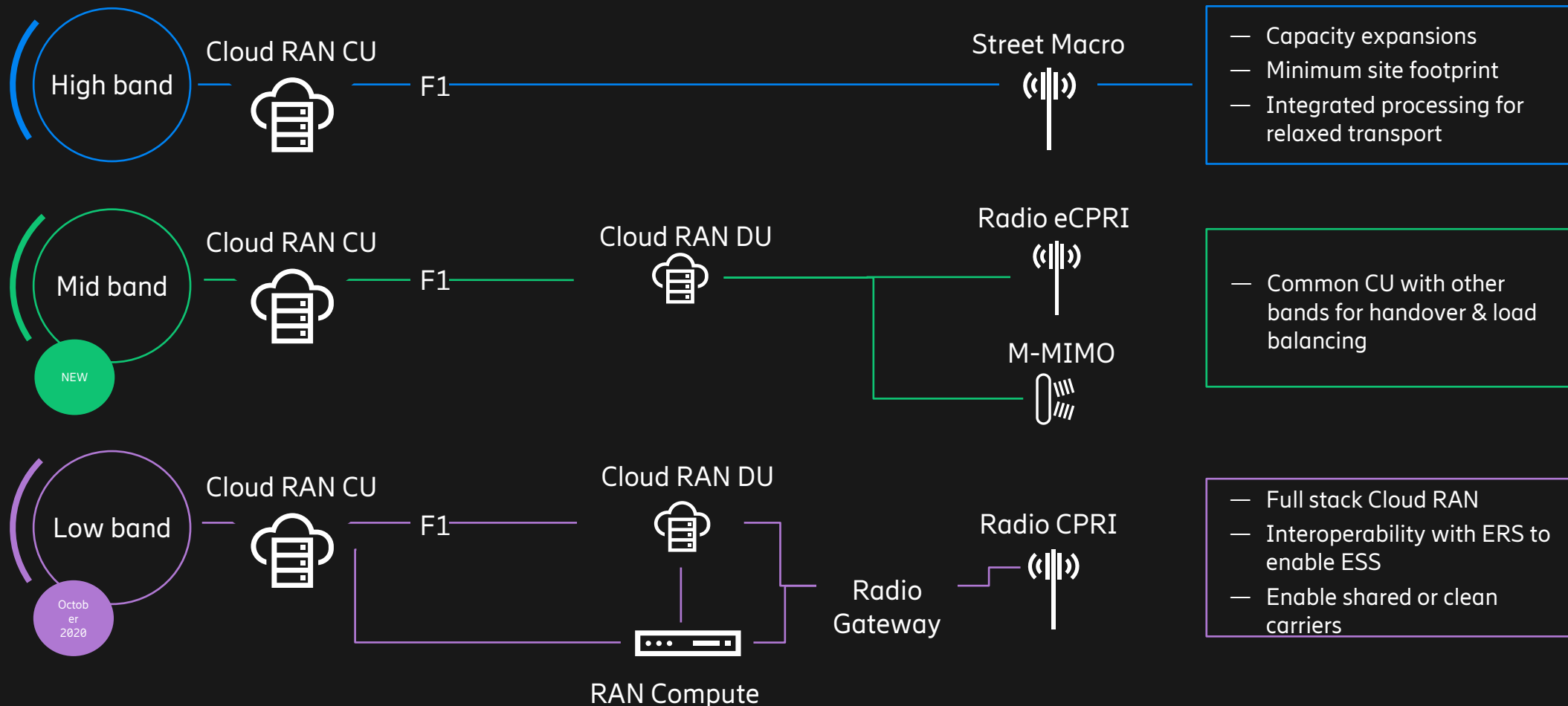
Delivering a truly cloud agnostic platform  
Embracing more open architectures

Leading the journey towards  
Cloud RAN Virtually Everywhere

# Cloud RAN supporting all 5G bands



## Service Management and Orchestration(SMO) framework (R-App platform)





# Join the Cloud RAN journey

## Secure and trusted Open RAN solution



### Globally deployed networks

7 million 5G ready and cloud enabled radios in field

Leverage installed base of RAN Compute for the Bluefield advantage

### Mid-band leadership

Industry leading Massive MIMO radios

Uplink Booster

Ericsson lower layer split



### SMO Framework

Automation

Orchestration

AI/ML

### Cloud native software

Centralized Unit for any deployment

High performing Distributed Unit