





# Cloud RAN

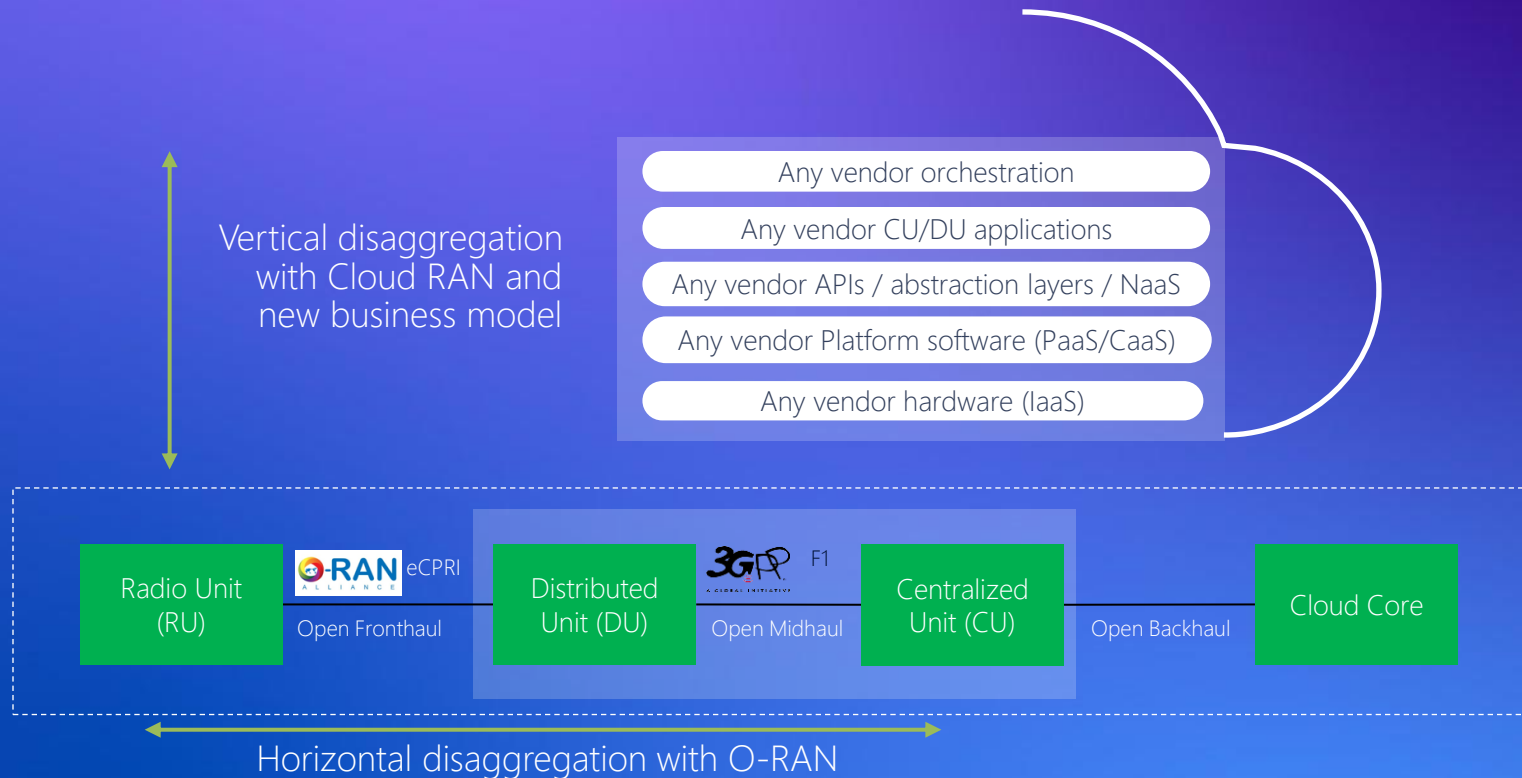
## Accelerate the digitalization

*Judicael Vivien Monde*

*Nokia: HoT/CTO Mobile Broadband, North & West Africa*

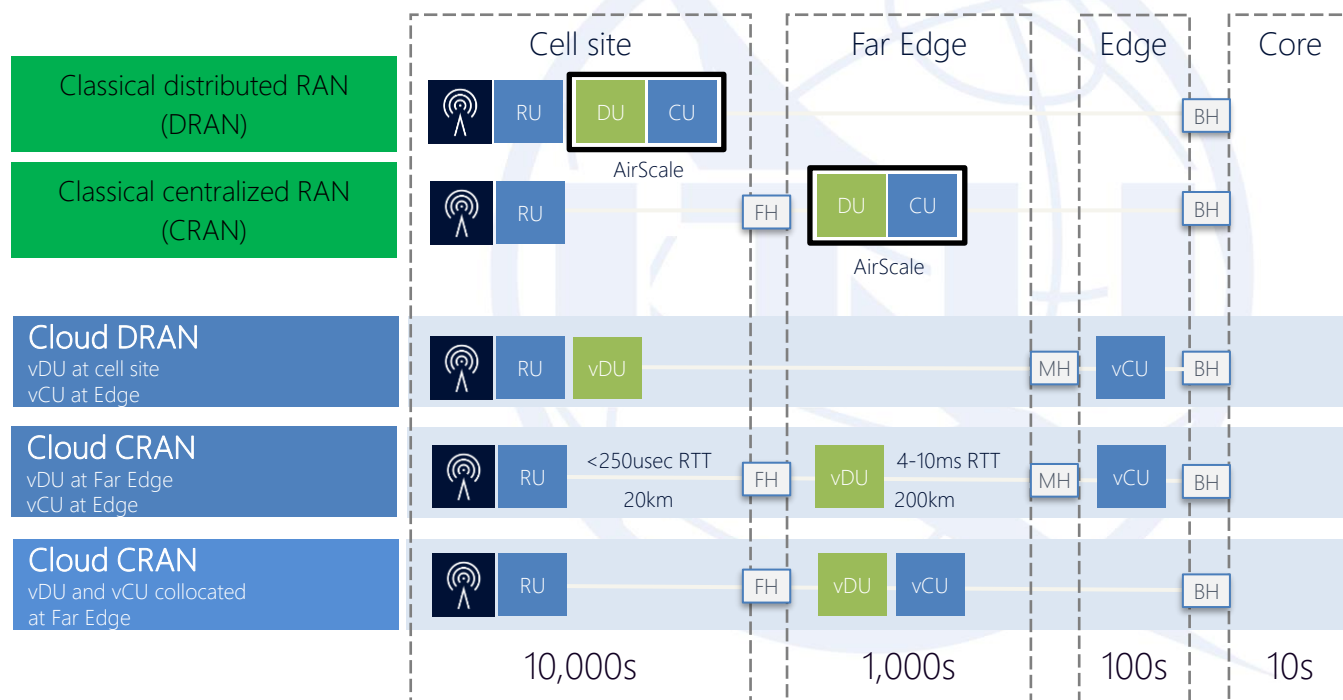


# Disaggregation is evolving, with focus shifting to Cloud RAN



# 5G RAN: Flexible deployment options

Baseband radio functions are placed on the edge or far edge clouds



One common cloud native baseband SW that is running in purpose-built HW and in IT server HW



# Comprehensive management is the heart of Cloud RAN

## Unified management for Radio, Core and Enterprise

Unified management  
for radio, core and  
enterprise networks

Faster, easy-to-use,  
and error-free RAN  
lifecycle with  
automation

Leading solution for  
optimization with  
multivendor capability

Coordination between  
virtual distributed and  
centralized units

Automated network  
rollout and RAN  
lifecycle management

Automated  
infrastructure and  
HW management



# It starts with cloud-native but is much more

Your journey to Multi-Cloud



## CSPs' consumer & verticals value creation via Multi-Cloud



# Taking advantage of the cloud

Network monetization with the city brain at the center

School, Campus &  
Library  
Transport  
Agriculture

Hospital, city police  
Governmental key  
ministries

Financial intuitions  
Marketplaces  
Mines

All around data center  
Accelerate  
Digitalization

Regional Hub  
National or regional  
champions

data ownership,  
geographic location,  
and privacy



# Evolving

Ready for  
cloud-native

Required for 5G Standalone Core  
4G, SDM and Voice can benefit

New enterprise &  
industrial customers

Reduce latency, localized security  
Consistency across countries

SaaS / NaC  
strategy

Transform customer interaction  
Let them create their own slices

Public & Hybrid Cloud

Speed up  
market entry

Jointly pursue  
new markets

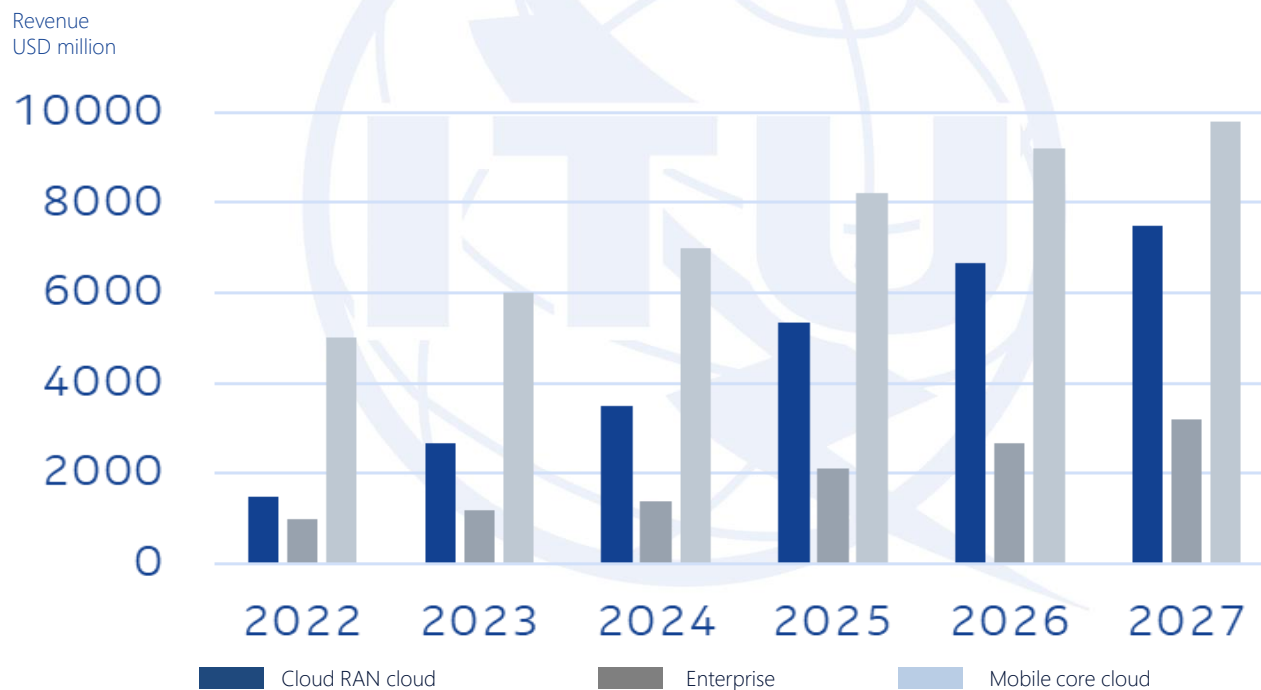
Achieve full business  
value of 5G





By 2027, Cloud RAN accounts for 37%  
of total network cloud infrastructure spending

### Network cloud infrastructure, worldwide forecast 2022 - 2027



Source: Analysys Mason, Network cloud infrastructure: worldwide forecast 2022-2027



# Conclusion

- Invest in cloud to facilitate the digitalization of the economy
- Manufacturers, CSP, WebScalers, government and etc, collaboration required
- National/regional / Continental data sovereignty required