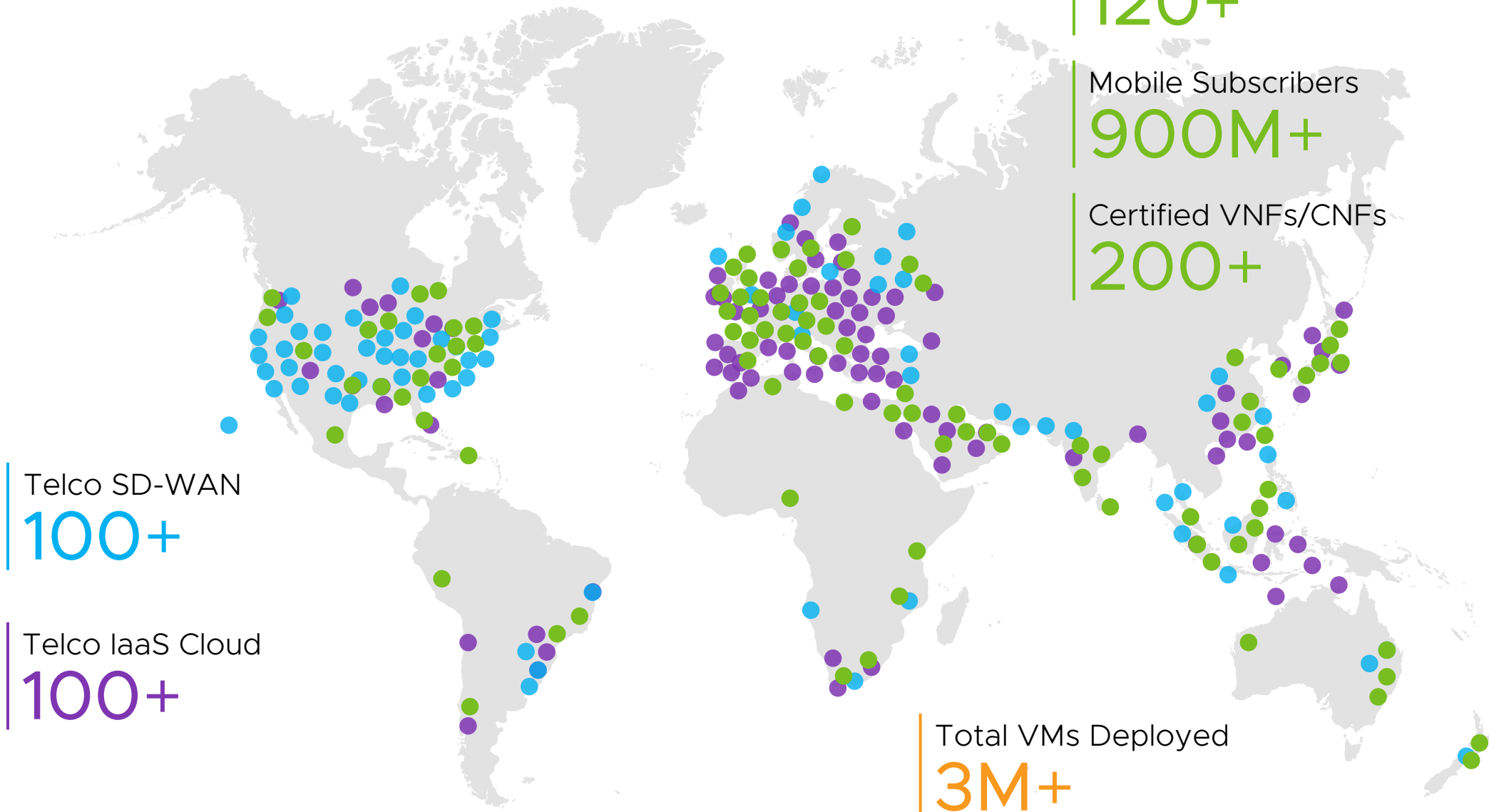


VMware Telco Cloud Platform RAN

Andy Steven
SEBU Product Team

VMware Telco Cloud Momentum



Telco SD-WAN
100+

Telco IaaS Cloud
100+

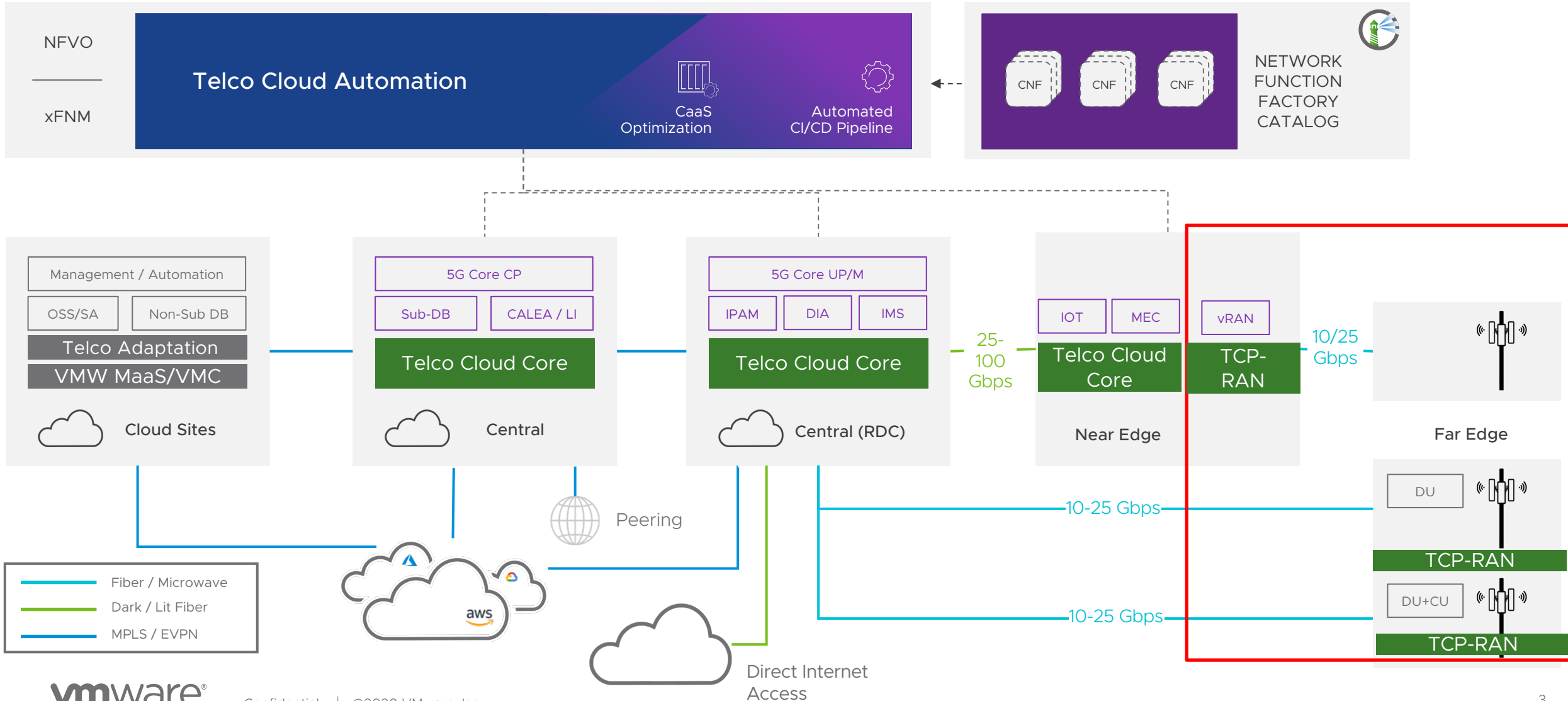
Telco Cloud & Assurance
120+

Mobile Subscribers
900M+

Certified VNFs/CNFs
200+

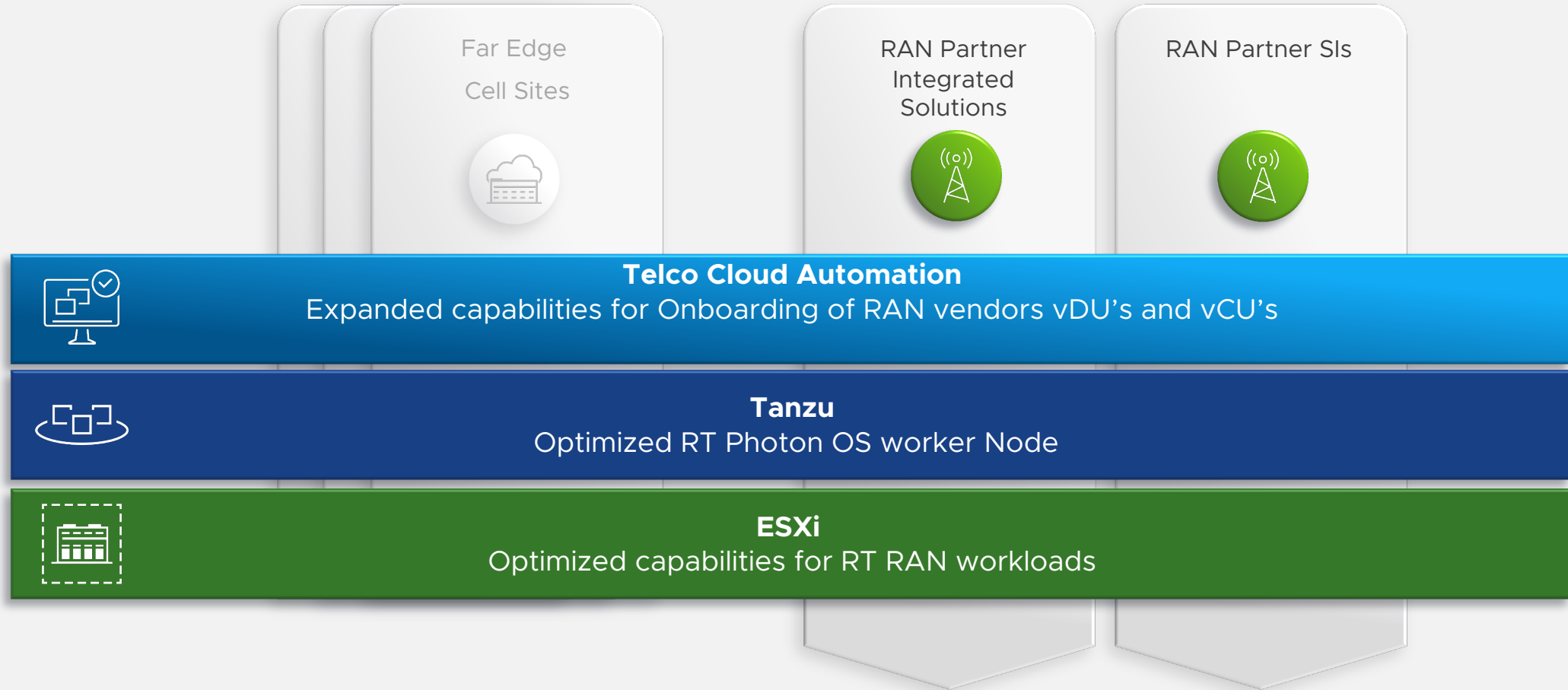
Total VMs Deployed
3M+

VMware's Telco Cloud Platform



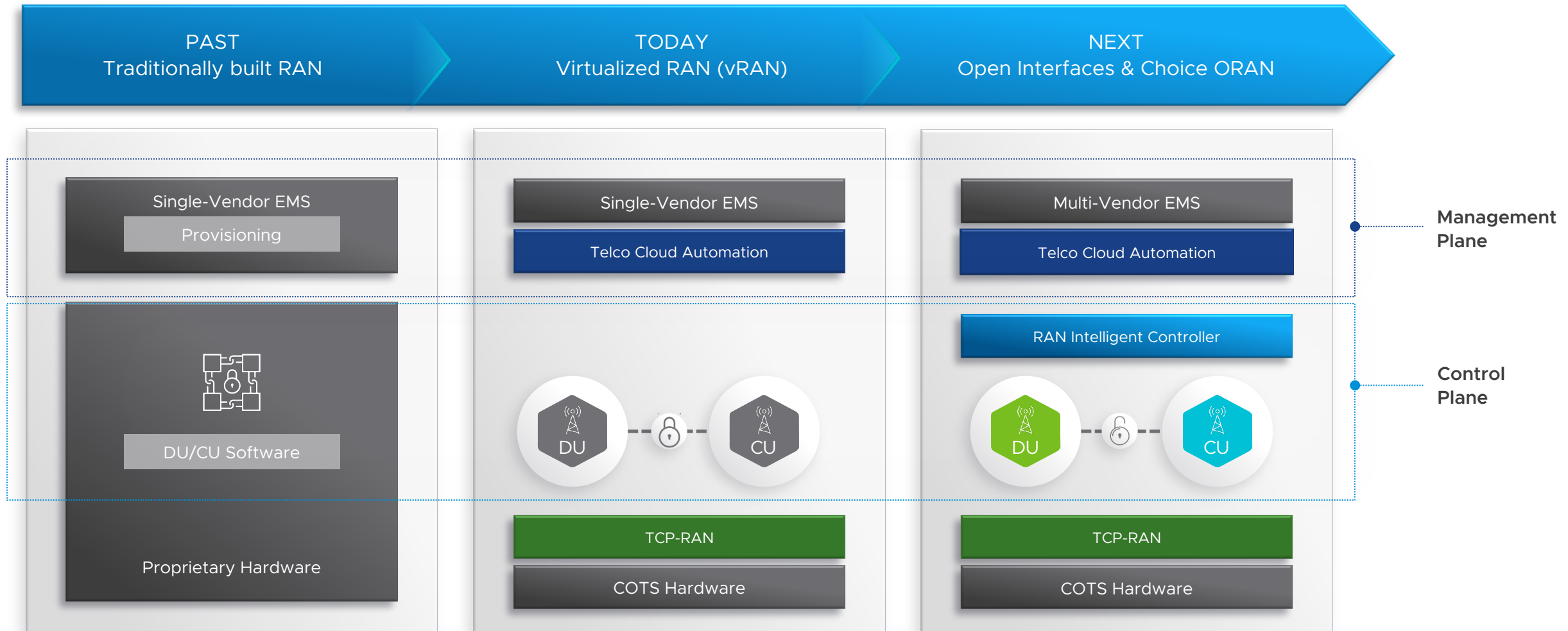
VMware TCP-RAN

Purpose-Built Platform for Modern RAN



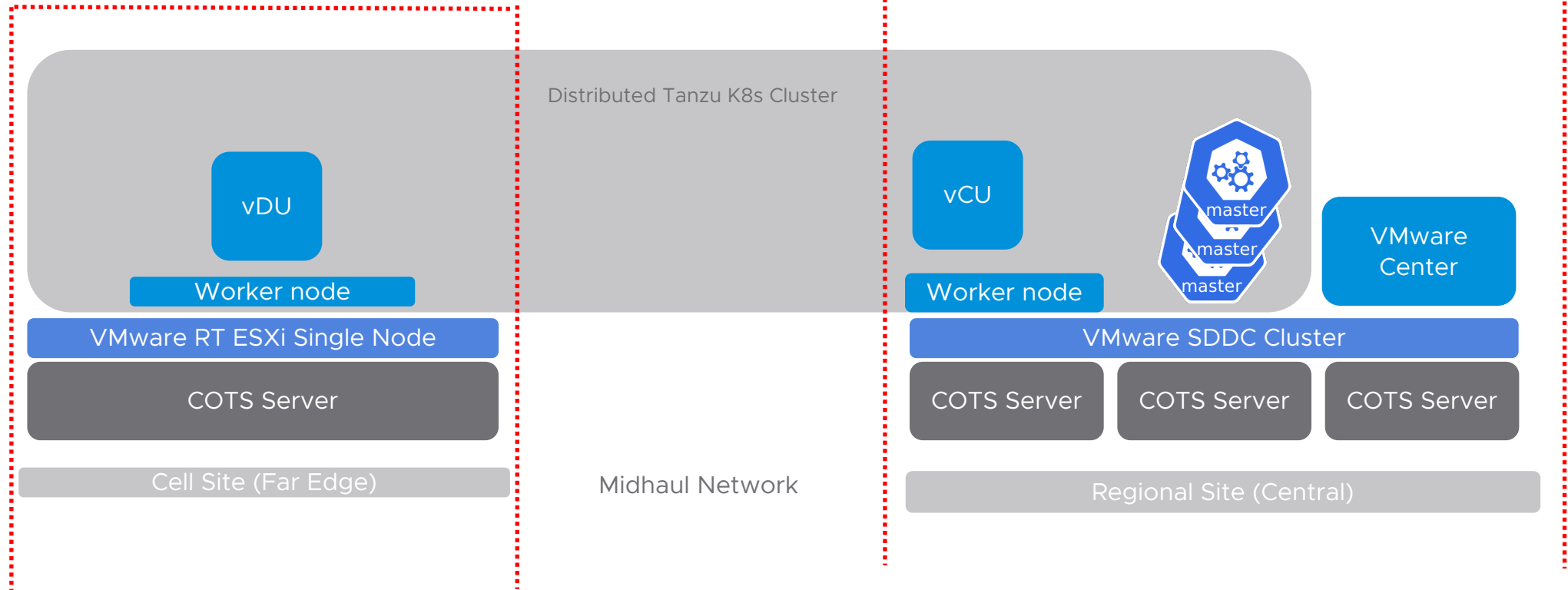
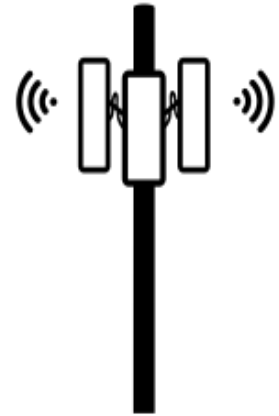
VMware Enables the Path to RAN Modernization Journey

From Physical to Virtual to Open-RAN



TCP-RAN Deployment Example

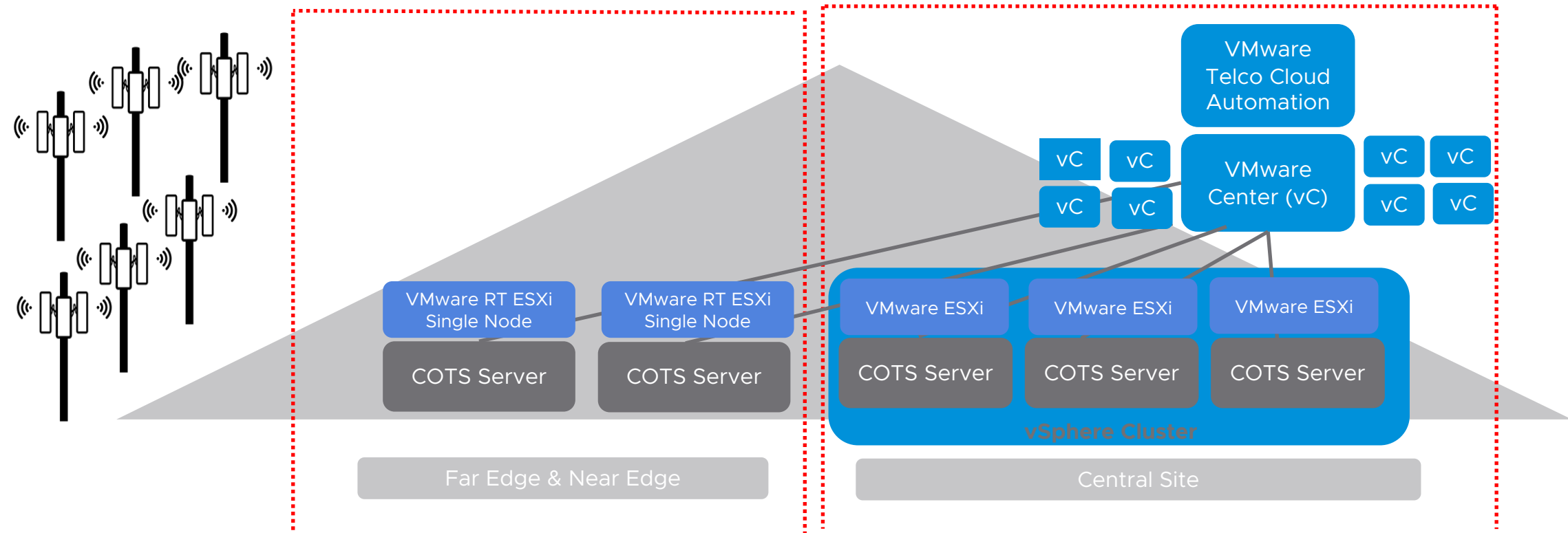
VMware
TCA



TCP-RAN Scalability

10,000's of cell sites

- Each vCenter can support 2,500 ESXi hosts
- Telco Cloud Automation can support 100 vCenters

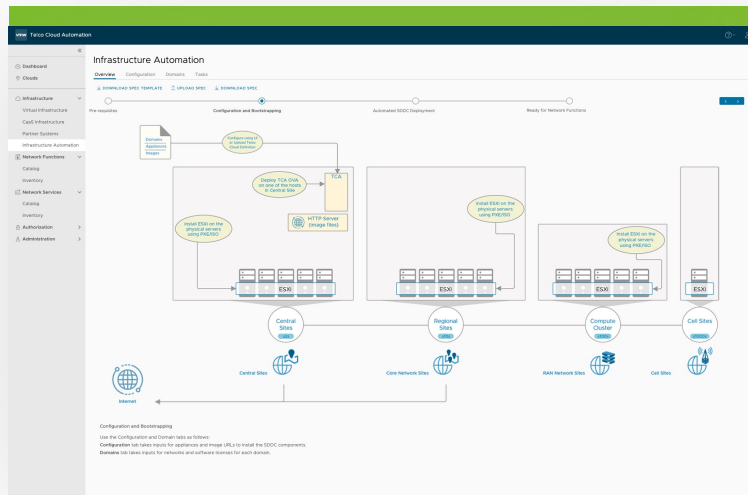


Infrastructure and CaaS Automation

Accelerate the provisioning of new sites



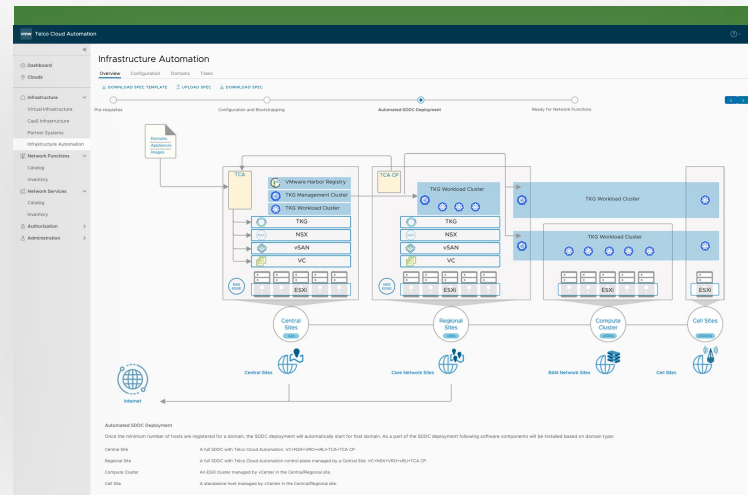
Configure
Deployment



Use templates to define the configurations across central, Near Edge and Far Edge sites



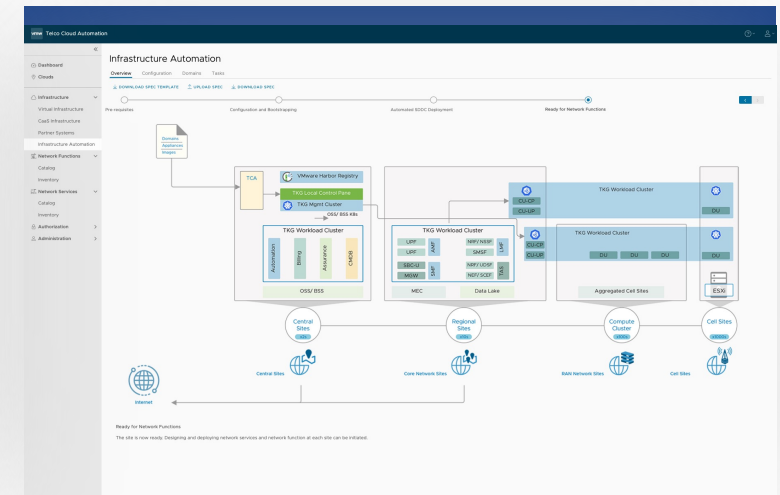
Automatically
Deploy



Use Zero-Touch provisioning to automatically configure the virtual infrastructure



Instantiate network
functions



Finalize the site roll-out with the K8s clusters, network functions and services instantiation

RAN-Optimized Solution with RAN Partners

Certifying RAN functions through rigorous testing

ALTIOSTAR



MAVENIR



And more

ONBOARDING & LIFECYCLE MANAGEMENT CERTIFIED

Telco Cloud Platform RAN



Telco Cloud Automation

Automated Infrastructure Provisioning and RAN Functions LCM



Tanzu for Telco

Optimized Real-Time Photon OS for K8s Worker Nodes



vSphere ESXi

Optimized for Real-Time RAN Functions



Benefits

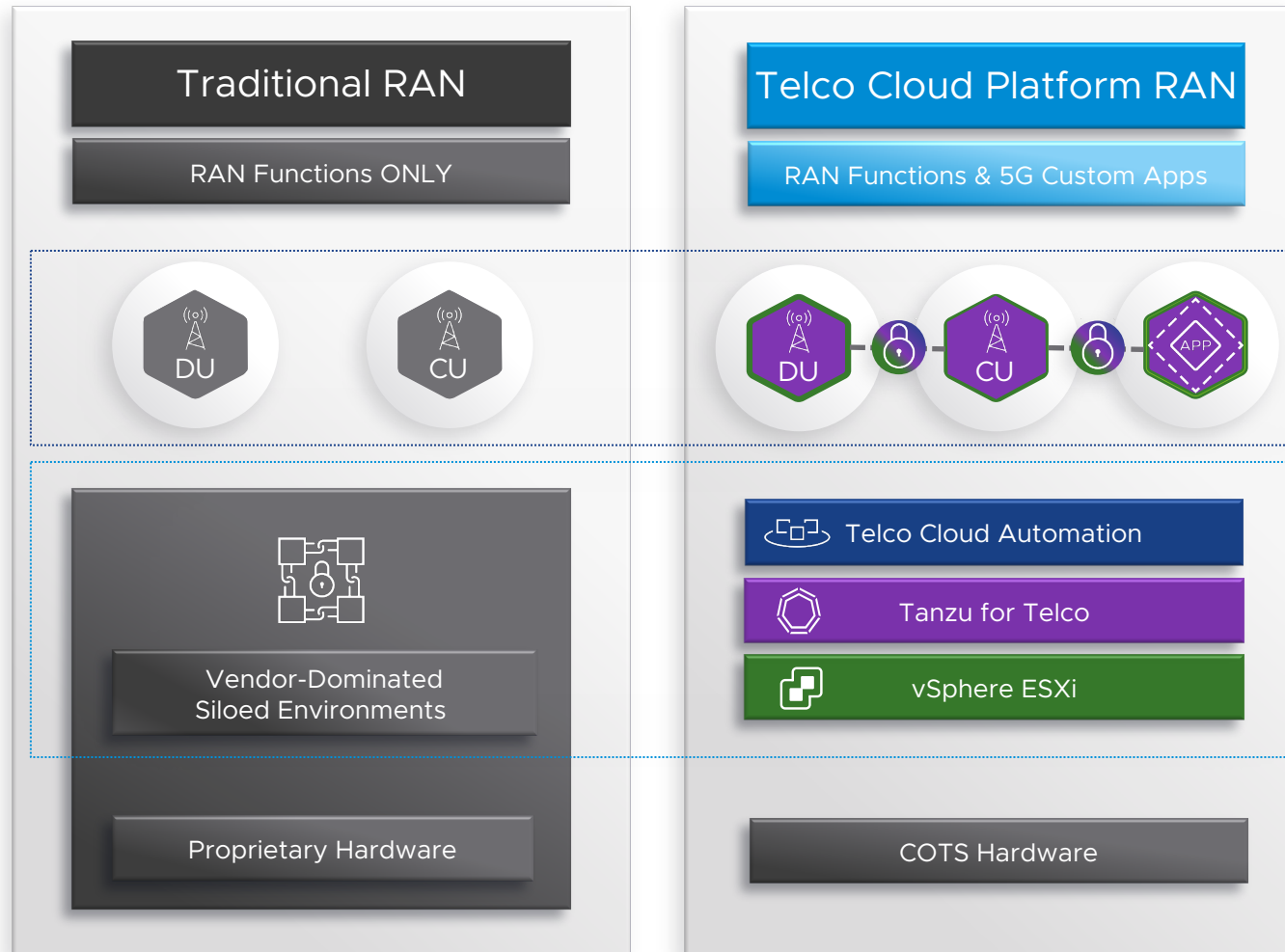
- Faster time to vRAN
- Ensure compliancy to industry packaging standards
- Joint work with RAN vendors to validate performance requirements
- Continuous validation on upgrade and updates for optimal stability

200+ network functions have already been certified for Core with Ready for Telco Cloud



5G Multi-Services Hub

Modernize RAN from infrastructure cost center to multi-services hub for monetization



RAN Monetization

- Evolve from proprietary hardware
- Utilize compute at far edge
- Build, deploy, operate 5G apps
- Deliver customer values from RAN

ESXi Virtualization Layer

Deliver network & business flexibilities
Enhance security with workload isolations



Thank You
telco.vmware.com