



FCC Open RAN Solutions Showcase

CommScope's Open RAN NR Strategy

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COMMSCOPE®





\$8.44 billion in Revenues

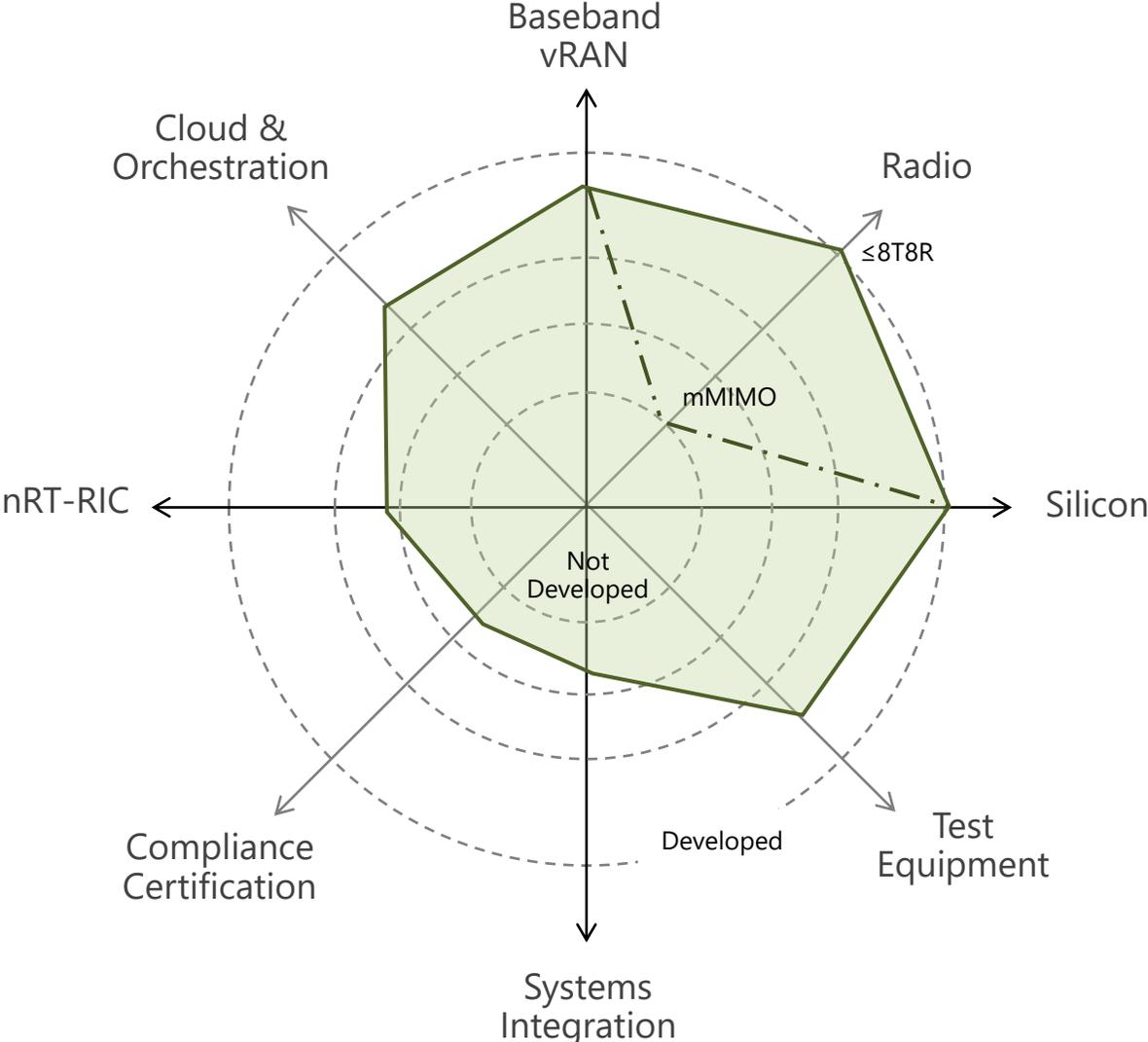
30,000 Employees

800+ million investment in R&D

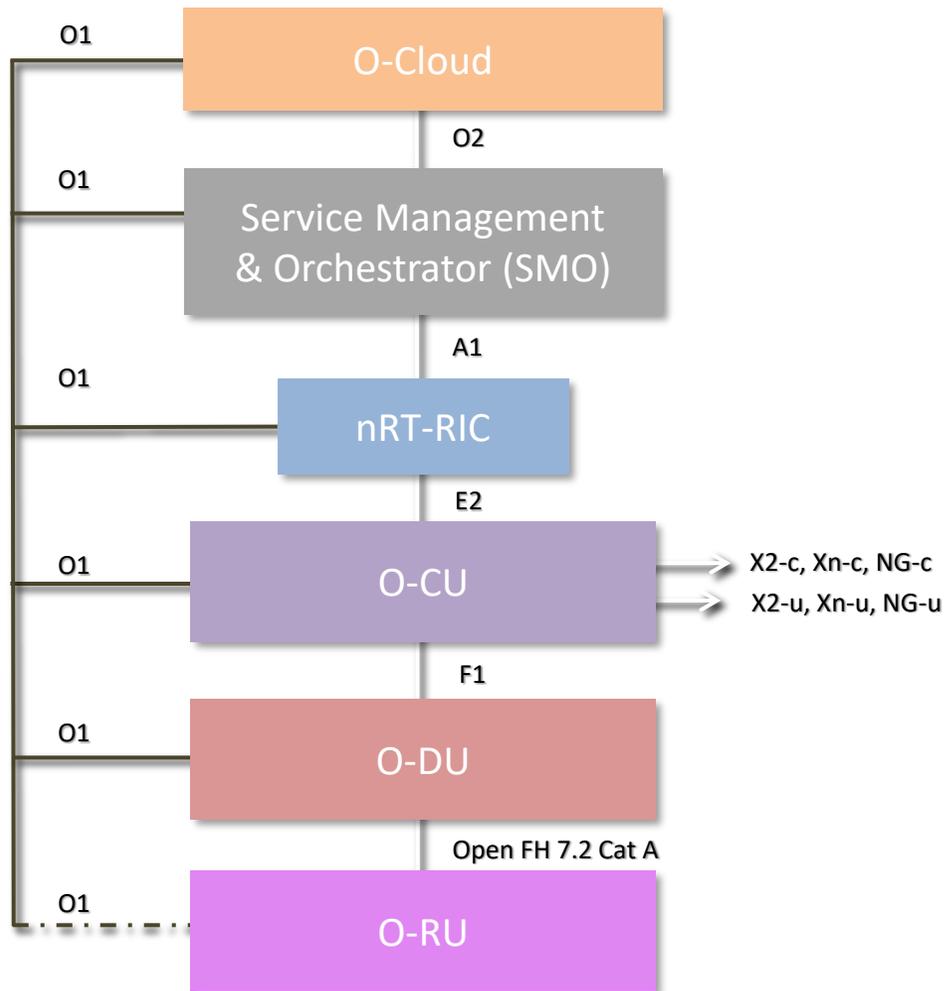
15,000 Patents



Open RAN Ecosystem Development



O-RAN Alliance Reference Architecture



Up to 6 disaggregated entities
with 11 defined interfaces



CommScope's 5G Strategy

Leverage our experience and capabilities in developing in-building coverage solutions and advance antenna technologies to provide **end-to-end RAN solutions for indoors, while** partnering with RAN providers to deliver integrated outdoor antenna systems, **wireless infrastructure and connectivity solutions.**

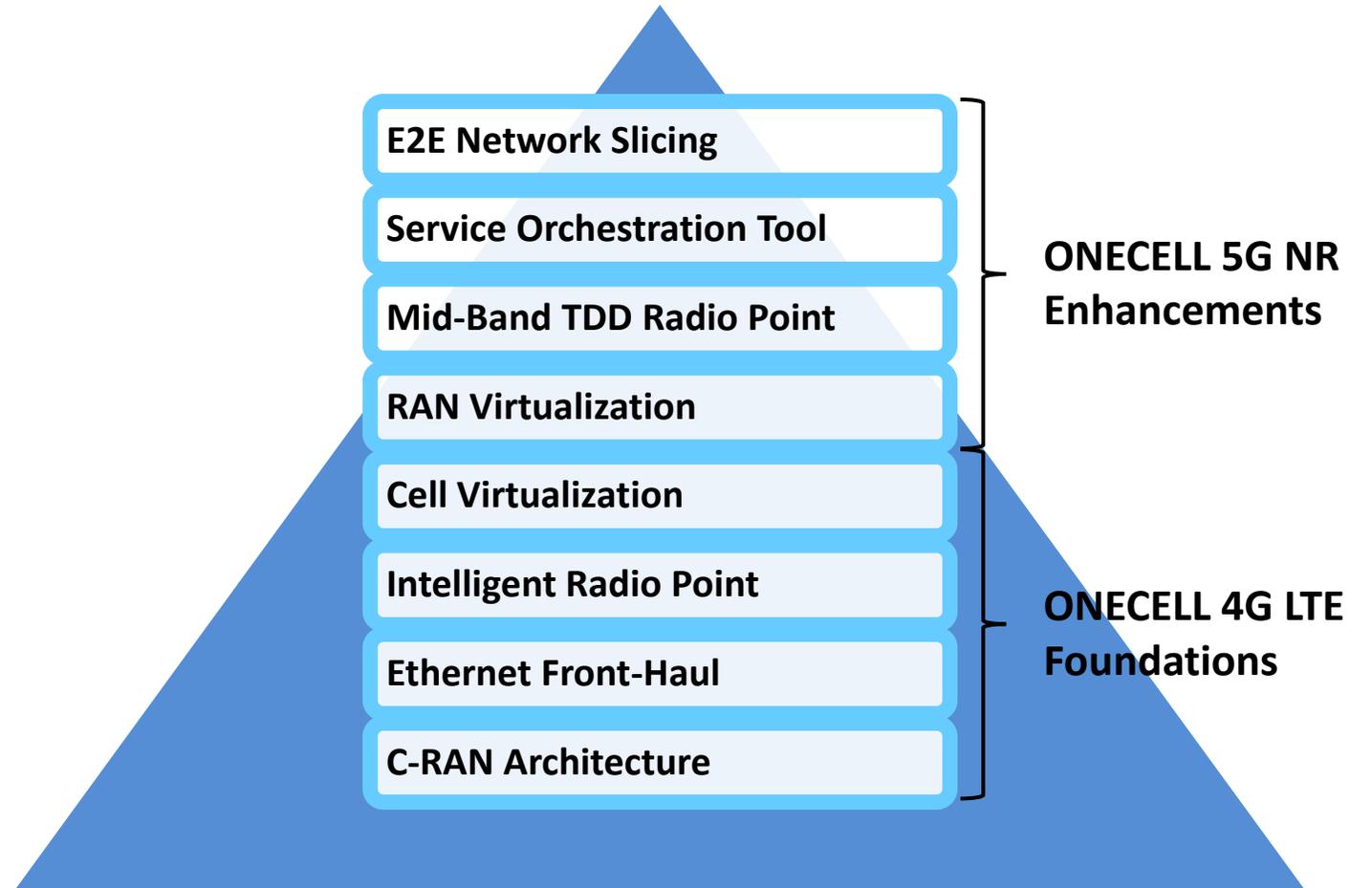
ONECELL 5G NR Building Blocks

Cell Virtualization

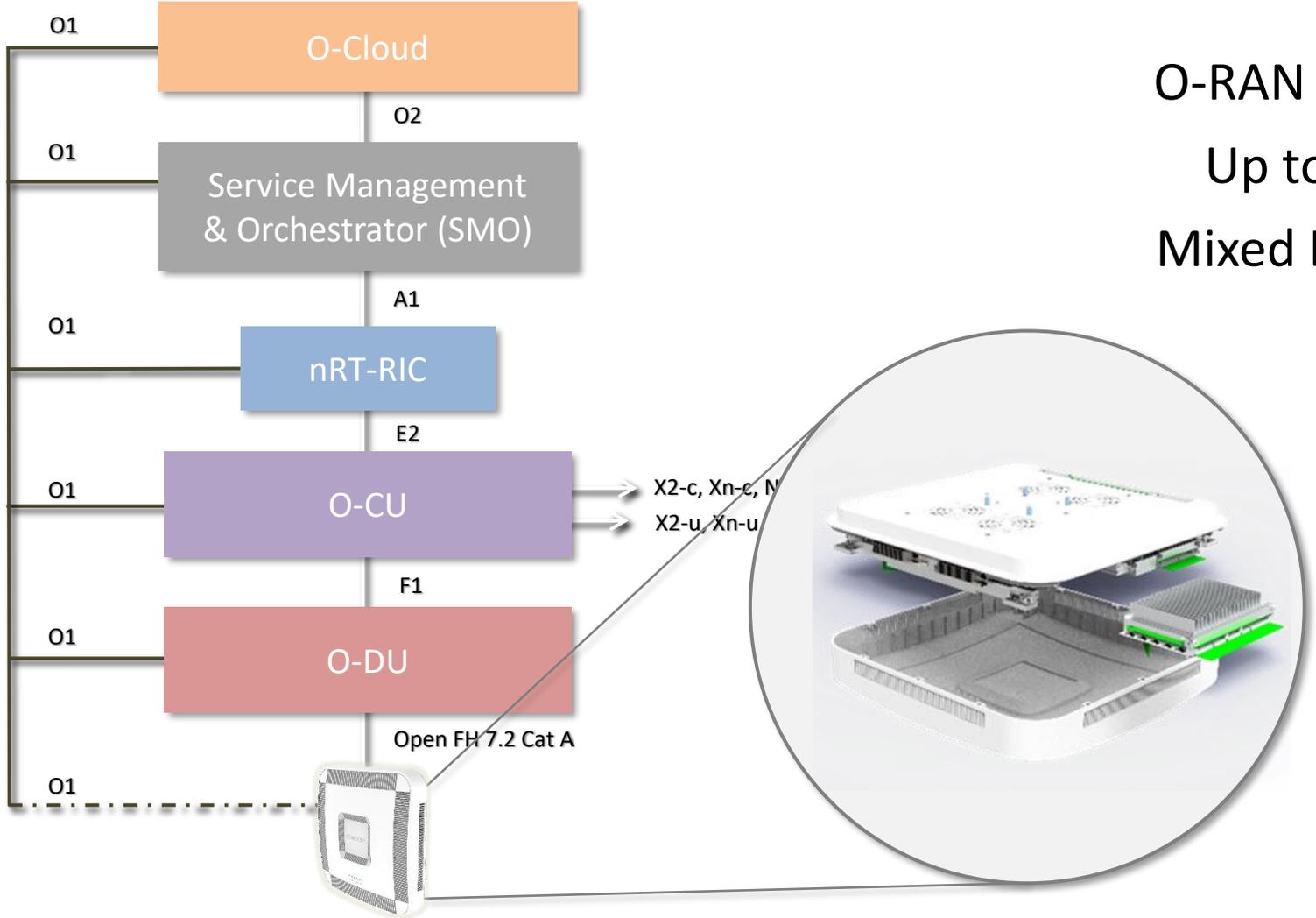
Disaggregating User Plane from Control Plane of a Single Cell

RAN Virtualization

Disaggregating RAN functions from Physical Resources of a Single Network

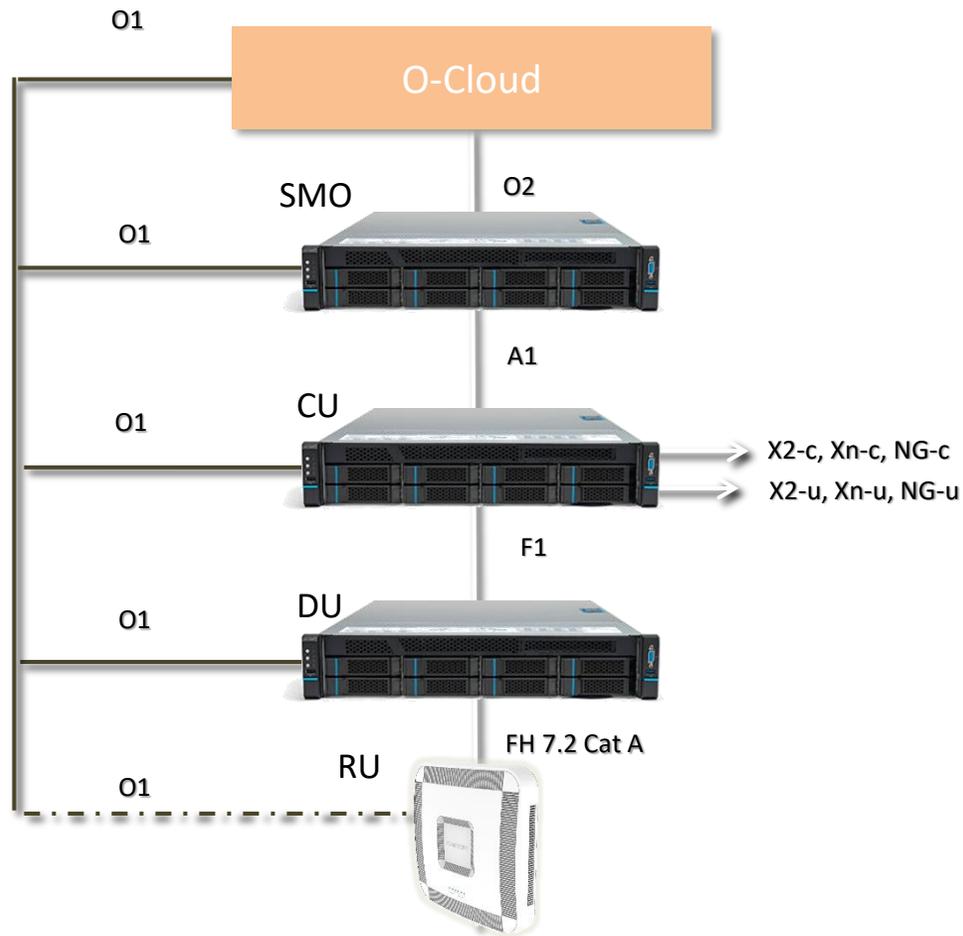


ONECELL Remote Radio Unit



O-RAN 7.2 Cat A Compatible
Up to 4 Distinct Carriers
Mixed LTE/NR Band Support

ONECELL End-to-End RAN Platform



- Virtualized DU & CU Running on x86 Off the Shelf Servers
- Compliant to 3GPP & O-RAN A1, O1, & O2 Interfaces
- Further Disaggregation of Near Realtime RIC on Roadmap

CommScope's Disaggregated Radio Design

32T32R O-RU CommScope
Reference Design

Modularized Design
Separating Antenna/Filtering
from Radio Electronics



CommScope 32T32R Radio
(proof-of-concept in development)

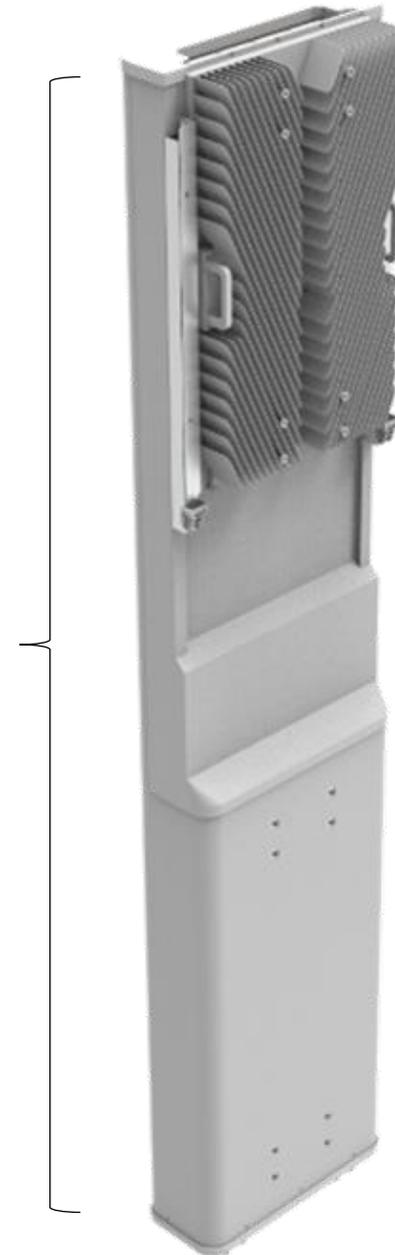
CommScope's Universal Passive Module

Seamless Integration of Legacy
Antenna with new
C-Band Radios

Accommodates a Range of
Different Radios

Reduced Site Footprint enables
Faster Deployments

Antenna Supporting
Legacy Bands



C-Band Radio
Unit



WE ARE
COMMSCOPE

Bringing networks to life and
enabling billions of people
to do things a council couldn't do.