

Open RAN Evolution Driving 5G Adoption

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Agenda

- Radisys and Open RAN
- Use case diversity and deployment options
- Role of SCF standards
- Technology enablers
- Engines powering Open RAN
- Looking forward

Enabling Service Providers to Become Digital Experience Providers

US-based with global sales and operations

Leading contributor to **open standards** organizations and initiatives

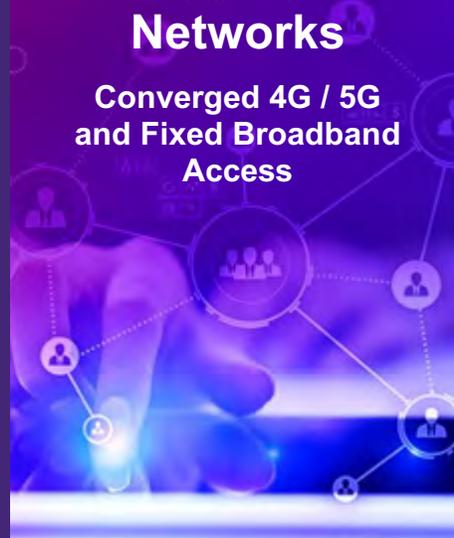
Digital Endpoints

Smart feature phone, CPEs, Smart home, IoT Sensors and Gateways, Embedded Platforms for DPI, Security, and Medical Imaging



Open & Disaggregated Networks

Converged 4G / 5G and Fixed Broadband Access



Rich Applications

Real time Communication and Digital Engagement, Fixed and Wireless Core



Network Services

End to End Lifecycle – Consulting, Planning & Designing, Deployment, Integration, Optimization



Enable

Integrate

Manage

Headquarters: Hillsboro, OR United States

Founded: 1987

Wholly owned subsidiary of Jio Platforms Limited (JPL)

DNA of Open Telecom Solutions

Telecom Infra Project

- LTE eNB RAN system integrator in TIP
- Projects at Menlo Park, SKT, TIM (Italy)
- 5G Open RAN community lab contribution



Small Cell Forum

- Leader of 5G nFAPI standardization
- Awarded for Open RAN contributions – 2020, 2021



Winner
Outstanding Contribution to Open RAN
and Core Platforms and Ecosystems

O-RAN Alliance

- Co-chair of O-RAN WG8 since 2019
- Key contributions to WG3: E2SM and E2AP
- TIFG test specification contributions
- Project lead of Open source 5G DU



Open Networking Foundation

- Open-source EPC contribution to M-CORD
- Multiple CORD based projects with Tier-1 operators
- Founder member of SD-RAN: Integration with ONF near RT RIC

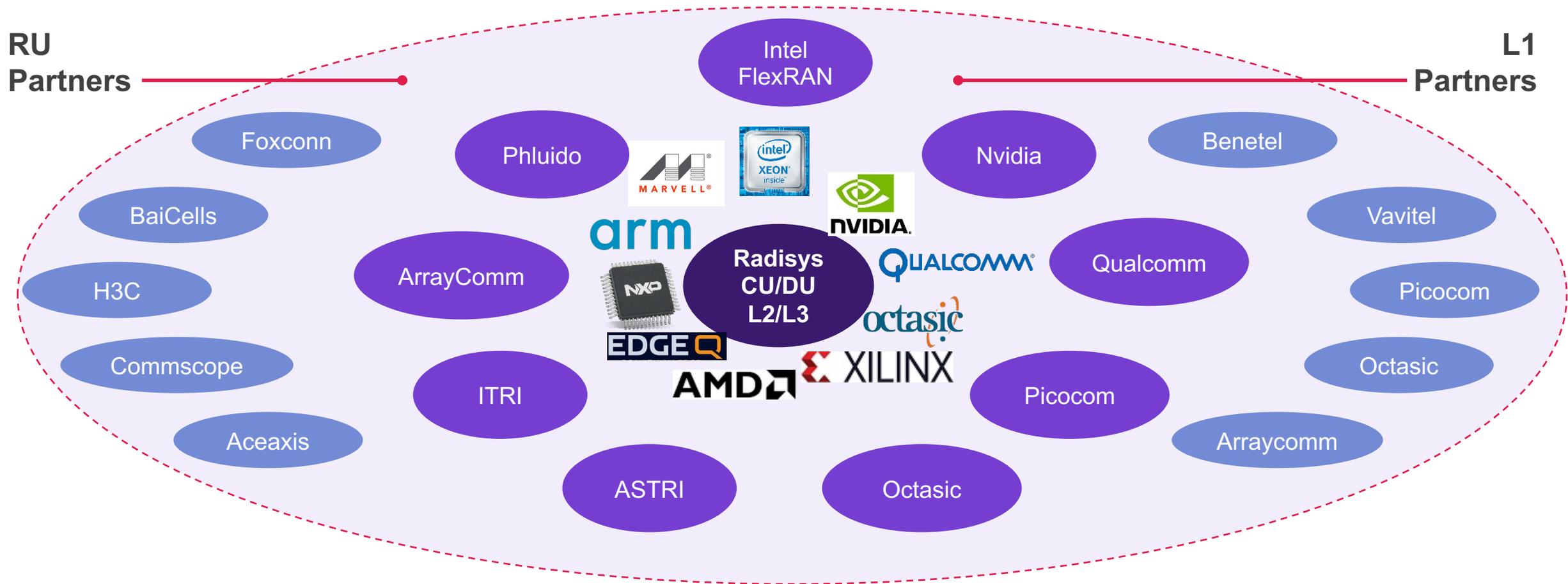


Additional Key Organizations



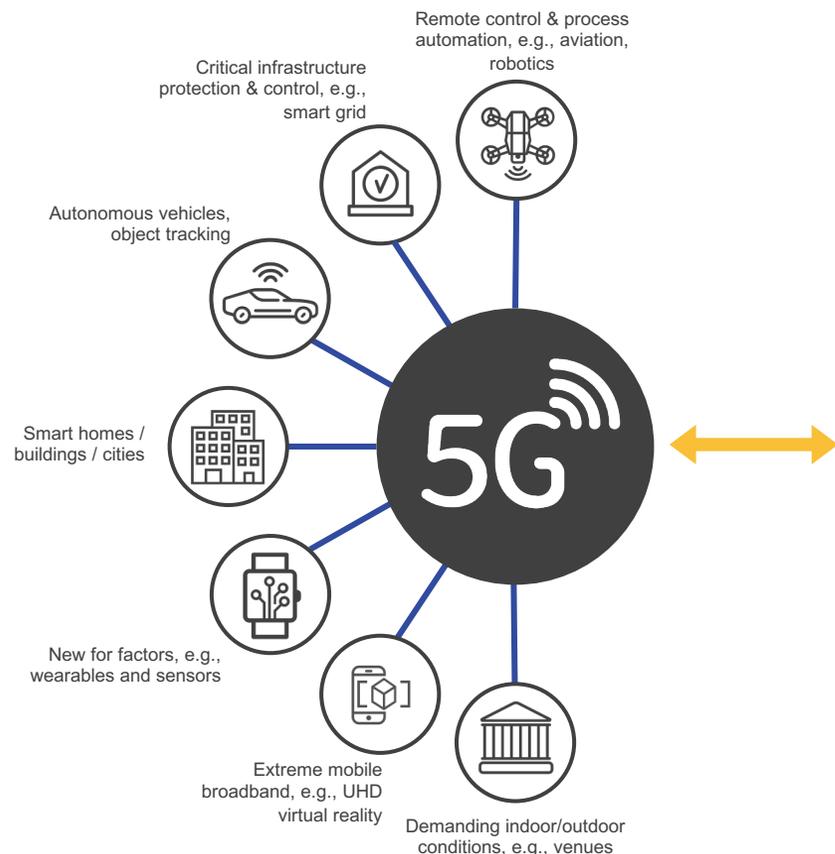
Widest Ecosystem Partnership

Global ODM partnerships



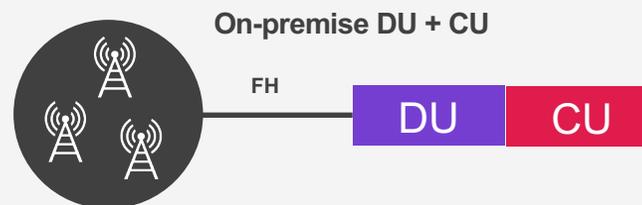
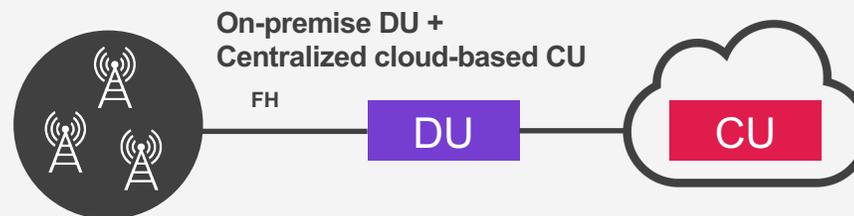
Open RAN for many use cases

Devices and Use cases

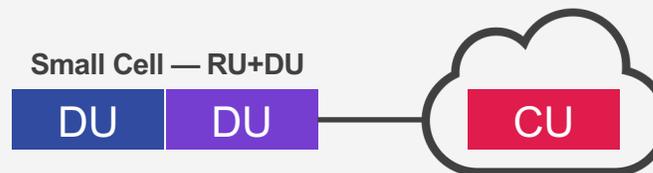


Base Station and RU

Split 7.2 + split 2 (opt)



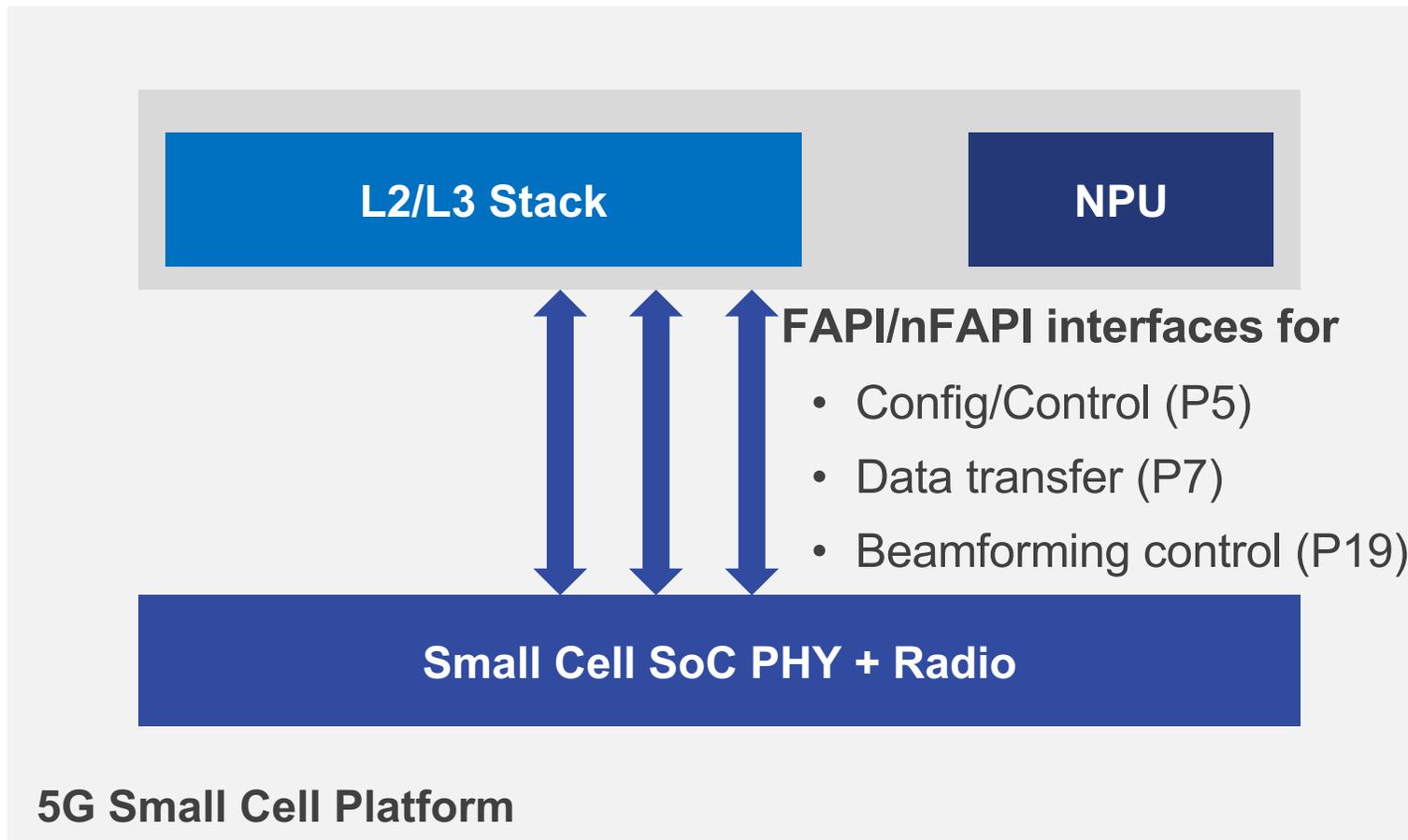
Split 6 + split 2 (opt)



Management – Automation –Programmability



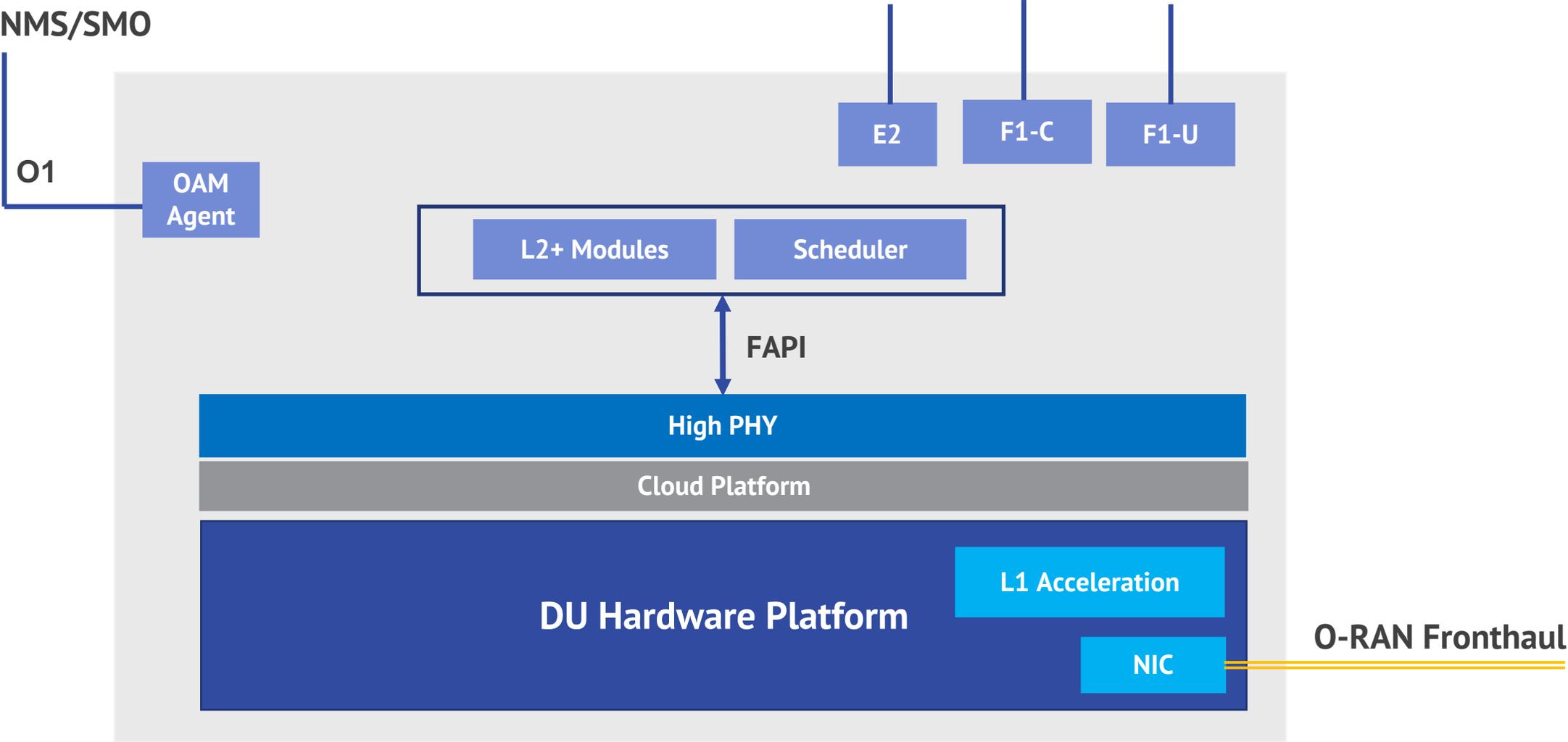
(n)FAPI enabling multiple product options for Open RAN deployment



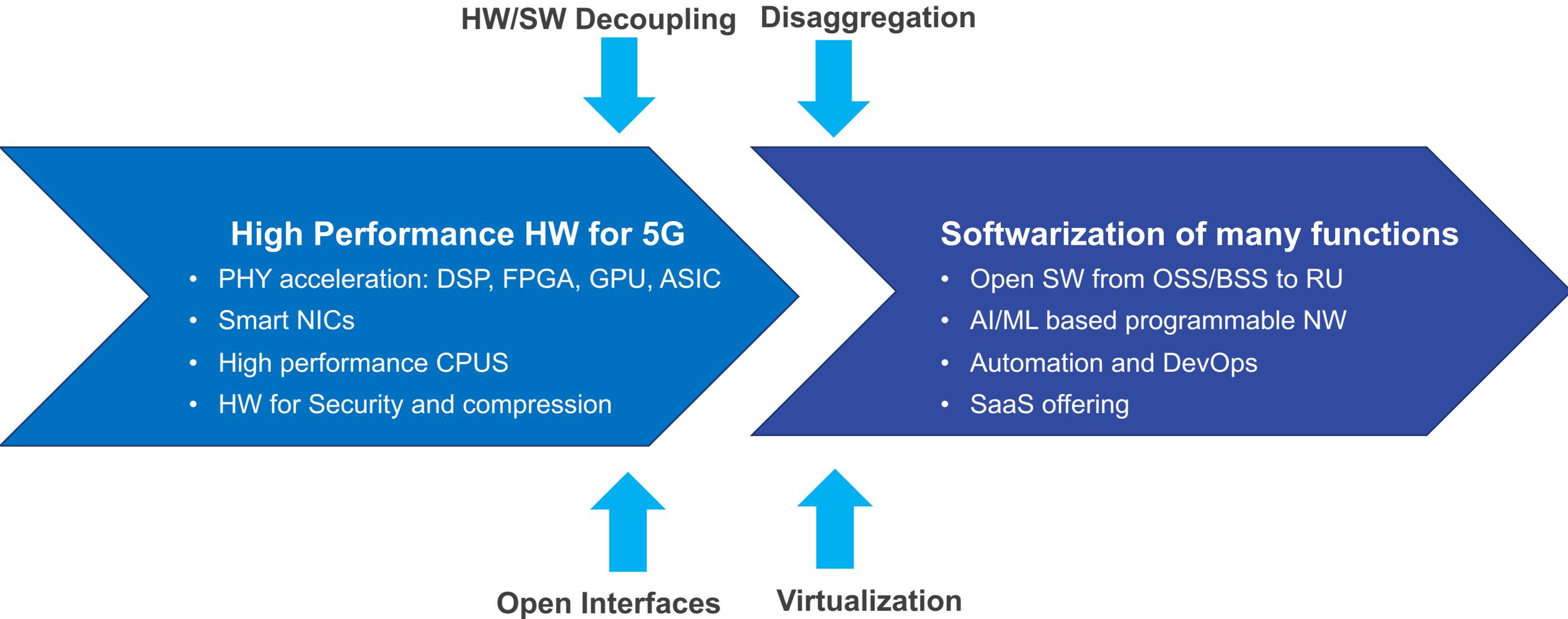
Product Variants: Integrated gNB, Option 2 S-CU/S-DU, Option 6 S-DU/S-RU

O-RAN DU architecture with FAPI interface

To NMS/SMO



FAPI enabled integration with different PHY in O-RAN DU (PNF/VNF)



The many engines powering Open RAN

SDOs and Industry Forums

- O-RAN standards enabling multiple use cases
- SCF addressing deployment by telcos, enterprises and others
- TIP working groups and badges
- ONF SD-RAN initiative
- Open RAN Policy Coalition for broad govt support

Industry Collaboration

- Multiple OTIC labs across geos
- Regional consortia of Telcos
- Vendor coalitions
- Open source projects

Govt Policy Incentives

- Vendor diversity
- Supply chain security
- Govt funded projects

Looking forward

- Great momentum for Open RAN in public and private networks
- Small cells for densification in public networks and private 5G deployments
- A virtuous cycle of standardization, ecosystem partnerships and interops
- Significant HW and SW advances to ensure high performance and low latency
- RAN evolution ensuring Open, Diverse and Intelligent networks

An aerial night view of a city, likely New York City, with a network overlay of white lines and dots. The overlay consists of numerous nodes connected by thin white lines, creating a complex web pattern across the cityscape. The nodes are small white dots, and the lines are thin and white. The city lights are visible in the background, and the overall color palette is dominated by blues and oranges.

Radisys

Thank You