

# Ericsson RDS: Enabling and transforming Private / Enterprise Networks



Dr. Rain Du  
Strategic Product Manager  
Product Line Radio  
Ericsson HQ Sweden

# 5G market updates

## Ericsson powers 5G worldwide

(Aug. 2025)

- 189 / 345 live 5G networks
- 46 / 80 SA networks
- Across 80 countries

## Ericsson Mobility Report

(Q2 2025)

- 5G is set to account for one-third of global mobile subscriptions at the end of 2025.
- 5G subscriptions are forecast to reach 6.3 billion by the end of 2030. (West EU 93%, North America 91%, and GCC 90%)



# 5G Indoor monetization

## Market Size

CSP- and NH-funded  
Indoor Total  
Addressable Market  
is estimated at  
**\$9.4 bn**

Small Cell Neutral  
Host deployments  
have a CAGR of  
**28%**

Source: EMO & Mobile Experts Q4-24

## Market Segments

CSP-led



CSP-led Neutral Host



Non-CSP Neutral Host



Enterprise channels



## Trends and Verticals

Shift from  
CSP CAPEX to  
**Real Estate / Enterprise**  
funded deployments

**88%**  
of TAM 2025 are related to  
**Large Buildings > 60k sq ft**  
Source: ABI and MEXP

**Public & Private 5G with Differentiated Connectivity**





# Today's solutions

## Challenges with some of today's solutions:

- **Active legacy DAS** – Complexity, scale, and cost
- **Passive DAS** – Coverage gaps, scale, and reliability
- **Cell boosters** – Scale, reliability, and interference

## Small cells and neutral host: a smarter alternative to DAS

They remove complexity, scale, and performance limitations from the equation through modern shared infrastructure.

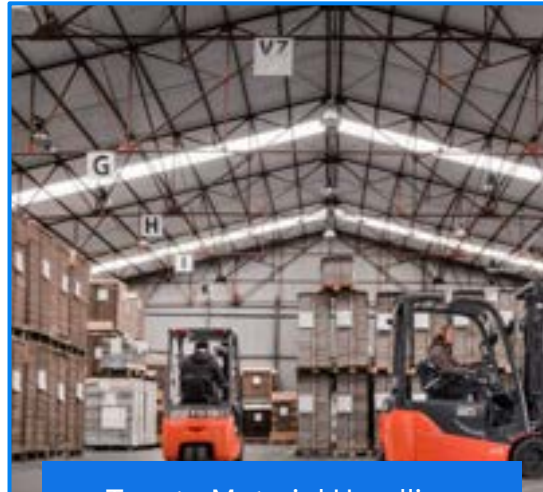


# Enterprise 5G customers leveraging private 5G and neutral host



Cummins Inc.

Needs for heightened reliability across operations for production and employee communications via Ericsson Private 5G and Coverage solutions.



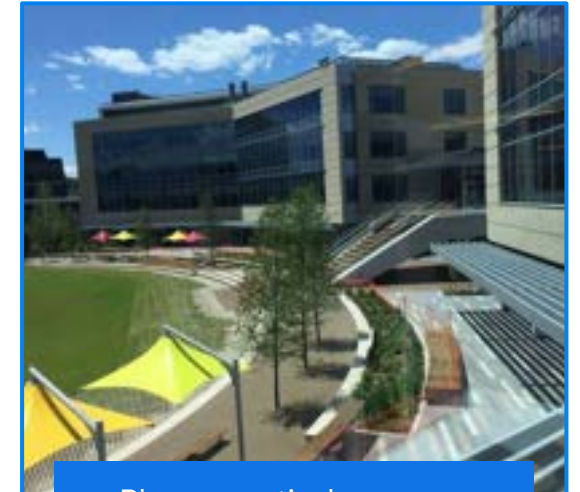
Toyota Material Handling

Ericsson Private 5G deployed to support operations in warehouse and future automation. Coverage deployed in manufacturing enabling emergency calling and production capabilities.



U.S. automobile manufacturer

Neutral host as an entry point to ensure employee and visitor 5G connectivity which inspired investment into Ericsson Private 5G to support production and operations.



Pharmaceutical company

Neutral host deployed at corporate campus for employee communications with future plans to deploy Ericsson Private 5G to support business-critical assets.



# Strong pull for Indoor 5G in the US market



## Manufacturing



[News Release | Verizon](#)

## Healthcare



[News Release | Verizon](#)

## Enterprise Office



[News Release | Verizon](#)



# Transforming Healthcare sector

National University Hospital Singapore, 5G Radio Dot live use cases

Pre-Operative planning



Holomedicine



Vein detection



Remote Surgical Assistance



Resident Teaching



MiSSi robot nurse



# Åhlens retail mall, Stockholm Sweden

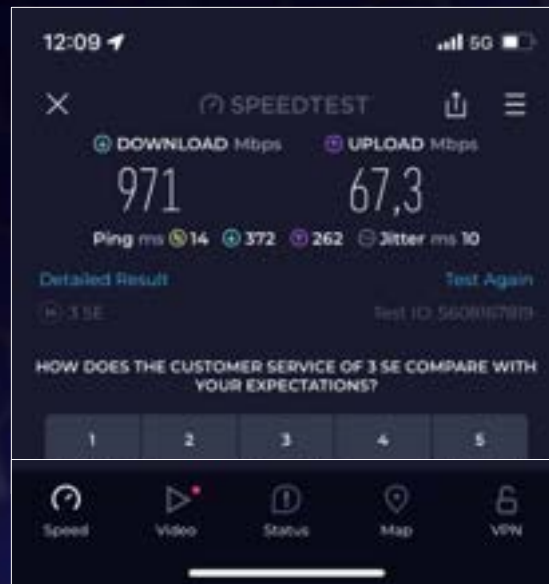
Neutral host 5G - live in 2023



Before Indoor 5G



After deployment



25x higher DL performance





# Neutral Host partnerships in GCC

## Ericsson and ACES-NH implement 3 operators shared 5G indoor connectivity in KSA

Available in English العربية

- Ericsson and ACES-NH successfully implement 3 operators shared 5G indoor connectivity solution utilized by the major communications service providers.
- The neutral host model streamlines operations, reduces costs, and ensures seamless connectivity for users across multiple networks.
- Powered by Ericsson's Radio Dot System, the solution supports high-traffic locations across Saudi Arabia.

PRESS RELEASE | FEB 12, 2025

#IndoorConnectivity #RadioDot







## Ericsson Radio Dot System



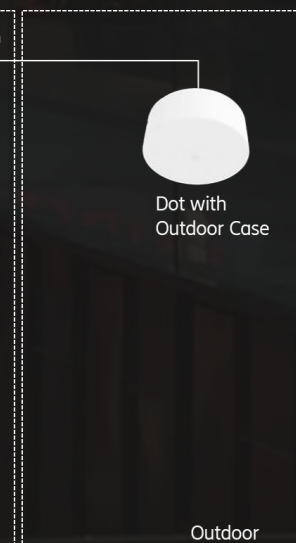
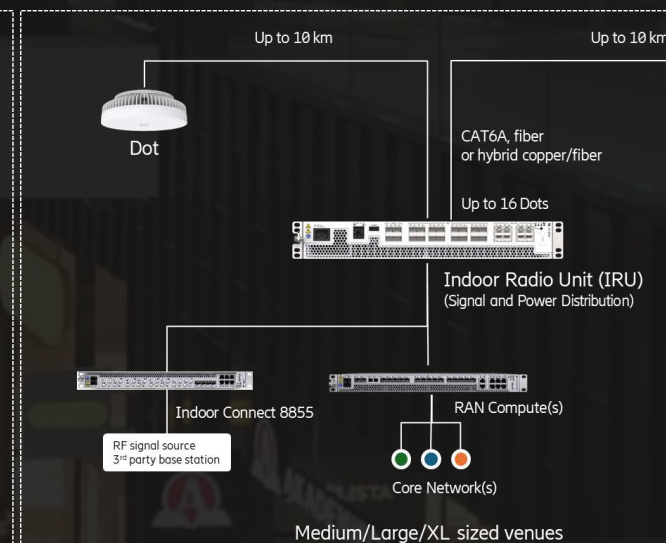
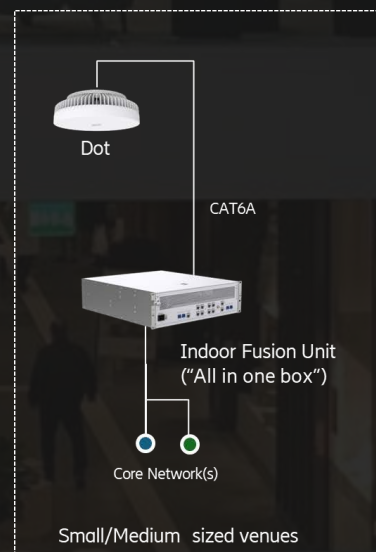
Award-winning solution



Proprietary next-generation  
Ericsson silicon



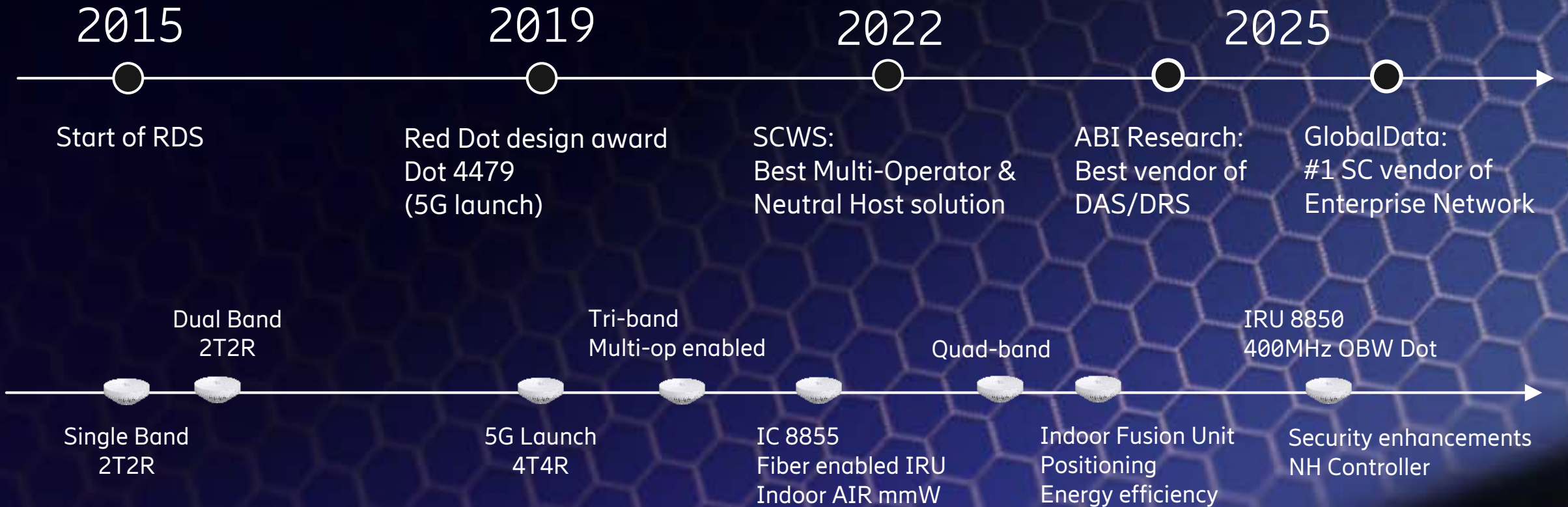
Distributed architecture  
enabling seamless  
performance and mobility





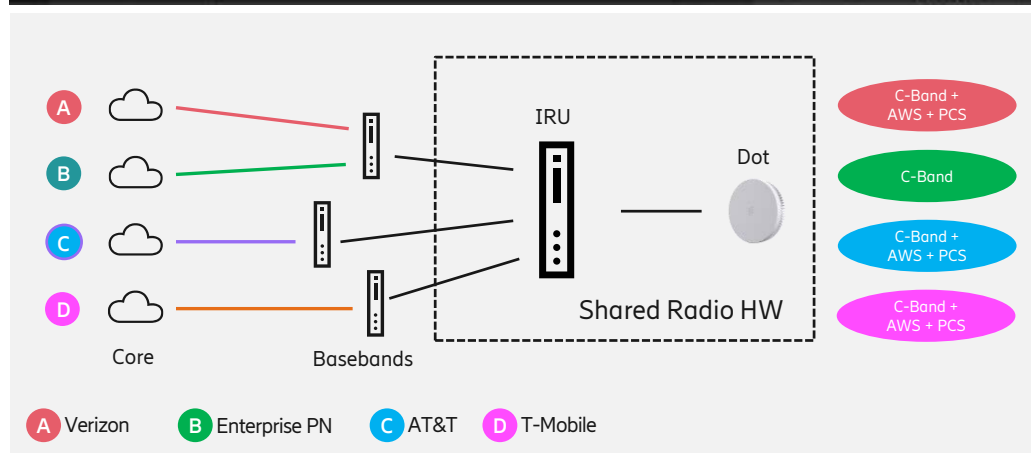
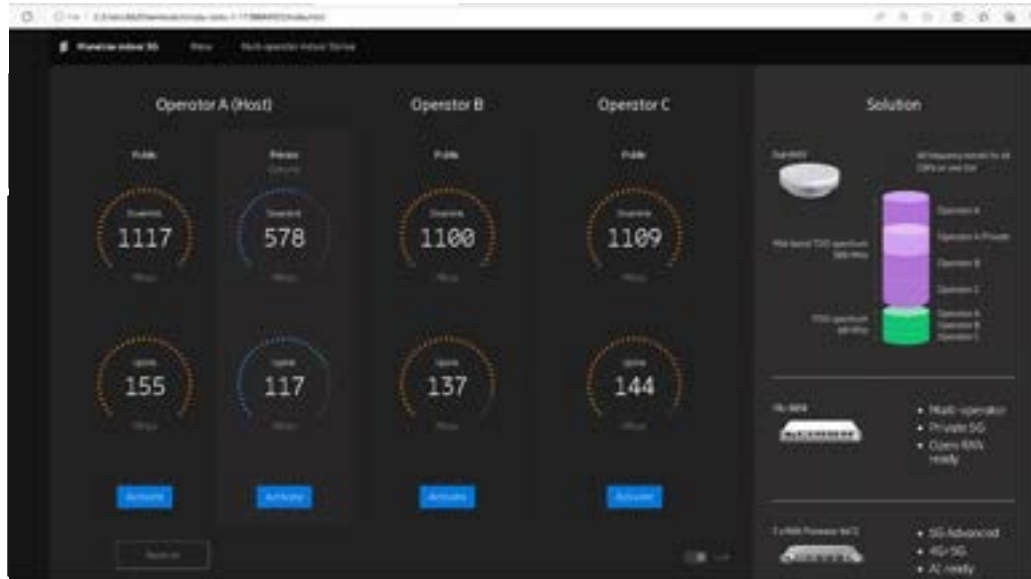
# Ericsson Radio Dot System

A small cell leader for differentiated connectivity



# Neutral Host and Private Networks

## 5G Monetization through a common Radio Dot System



### Neutral Host Network (NHN)

- Robust cellular connectivity
- Simple and affordable (compared to legacy Active DAS)

### Private Cellular Network (PCN)

- Reliable, business-critical network
- Automation and asset tracking

### NHN + PCN

- Multi-purpose networks enabling operational and digitalization efficiencies
- Meeting sustainability targets



# Enterprise Virtual Cellular Network (EVCN)

Ericsson IT deploying 5G in laptops

## Gradual shift from Wi-Fi to 5G, supporting a hybrid workforce

With EVCN, an enterprise can move towards leaner enterprise networking by seamlessly tapping into the CSP 5G network. End users benefit from seamless connectivity between public and private 5G networks and always-on security for 5G laptops, from anywhere. Great for enterprises — and a new business opportunity for CSPs !

Being rolled-out in stages across countries: US, Sweden, Japan ...



# Indoor Energy Saver, make Indoor network greener !



Superior indoor performance

The Radio Dot System offers superior indoor performance and is up to **70%** more energy-efficient than DAS from radio design in hardware



Improving energy efficiency

Enabling MIMO Sleep and Deep Sleep capabilities for all Ericsson indoor solutions, reducing customers OPEX and driving for sustainability goals

# 31%

Energy savings on daily average (in 24 hours, according to a study with traffic model assumption)

Power consumption

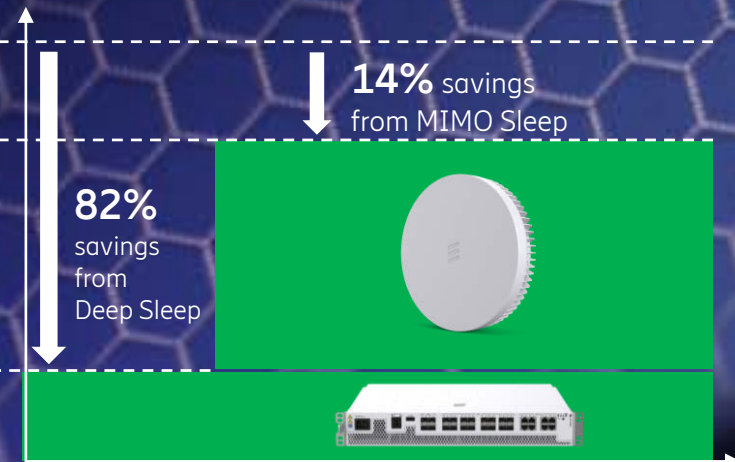
Without Energy Saver



6h low traffic |

18h regular traffic

With Energy Saver



6h low traffic |

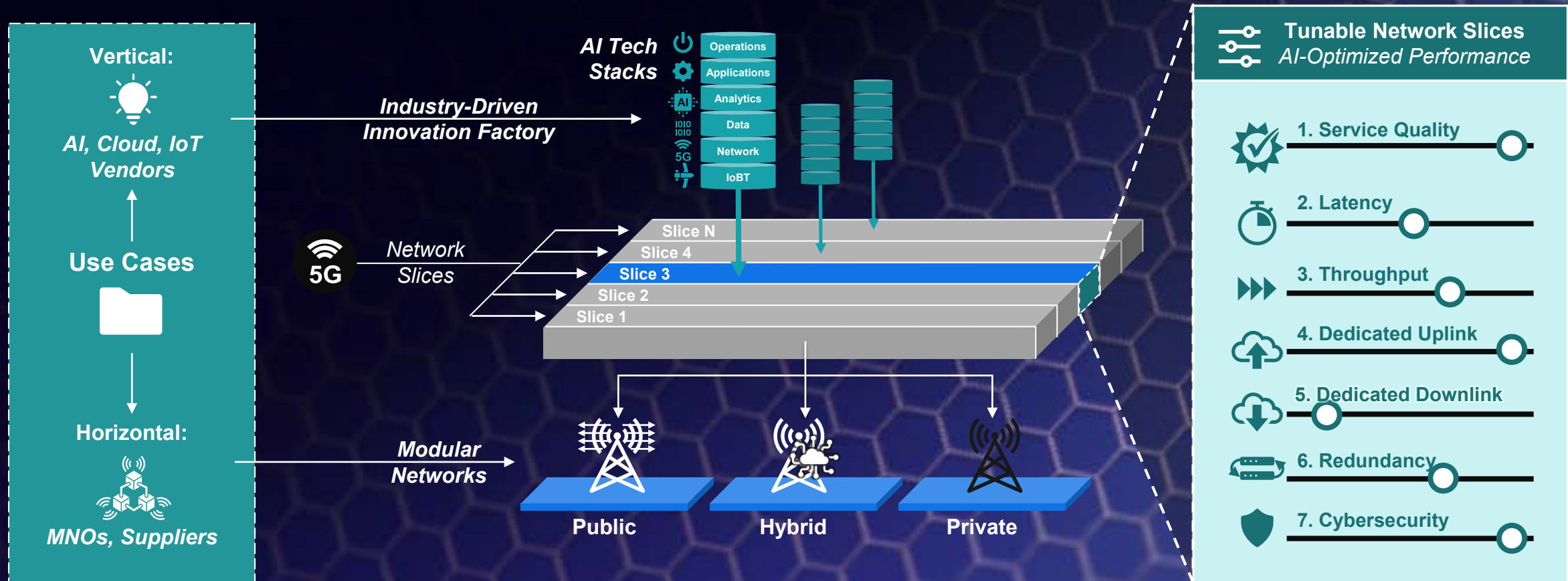
18h regular traffic



# What is next -- Public, Private and Hybrid 5G SA

Intelligent and Programmable networks for advanced use cases

## Ericsson as the Interlocutor for 5G Innovation





**ERICSSON**

Small Cells