

NOKIA

The Speed of Now:

Why AI is Telecommunications' Defining Moment

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Head of Strategy Fixed Networks



Get to Fast Faster 2025

Why Nokia and the “future of the communications”...?

We are a technology innovation leader pioneering networks that.....

Sense

Real-time situational awareness

Think

Intelligently learning and predicting

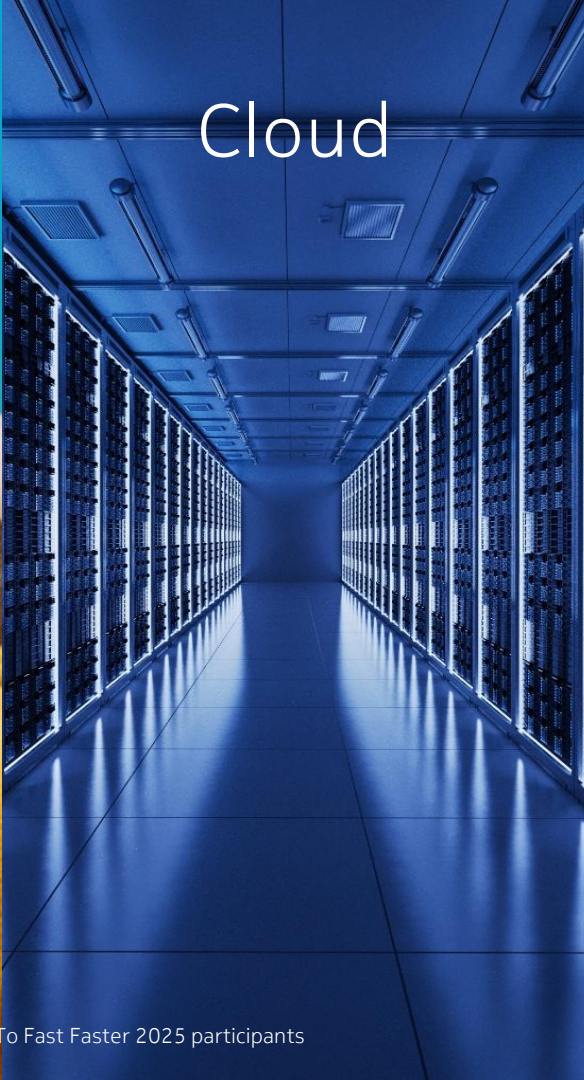
Act

Adapting and responding autonomously

VR/AR



Cloud



AI



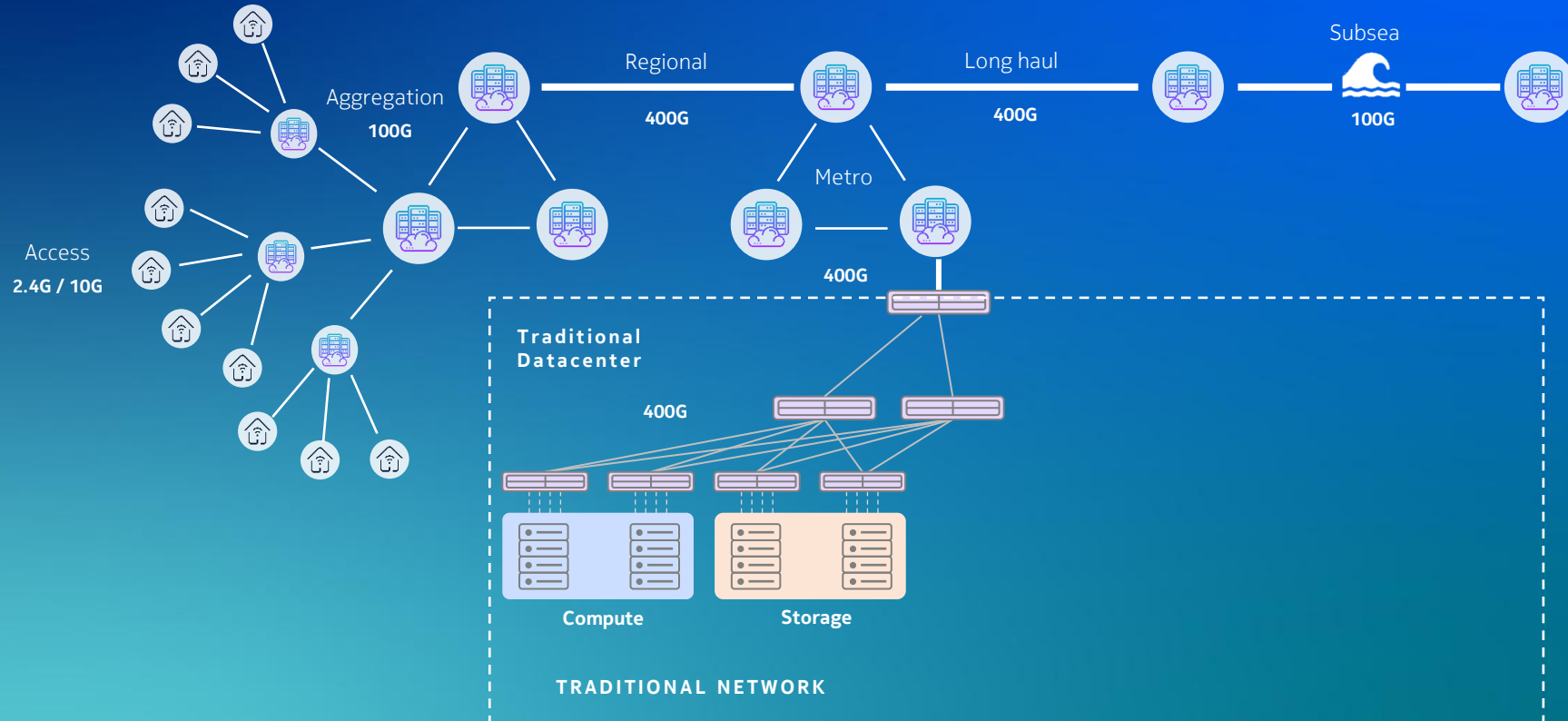
Multi-access
(FTTH, 5G, LEO)



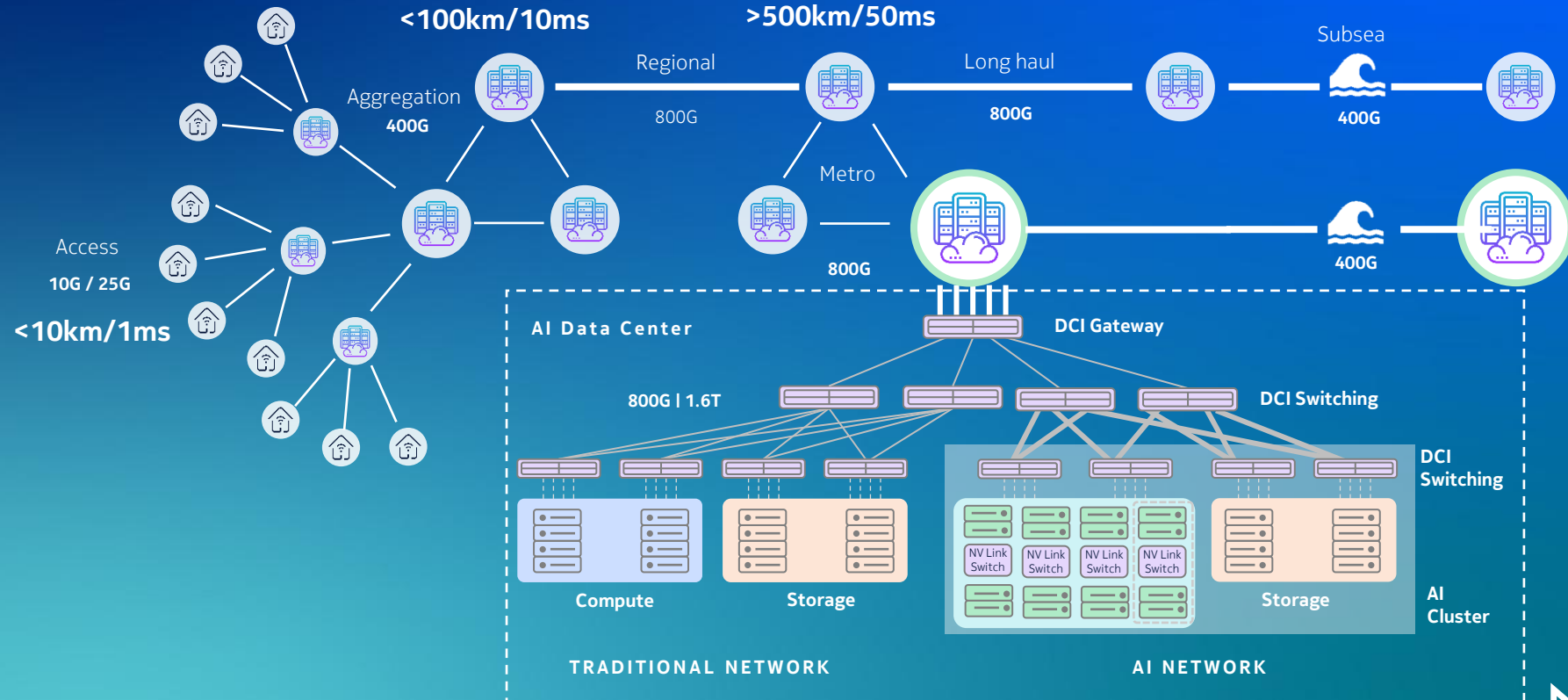
| Strictly for the use of Get To Fast Faster 2025 participants

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The Network of Today



Connectivity in the AI Era



Solving the critical network challenges in the AI era

100%

AI-Related Bandwidth CAGR ¹

AI accelerating
bandwidth growth

2x

OLS Requirements by 2027

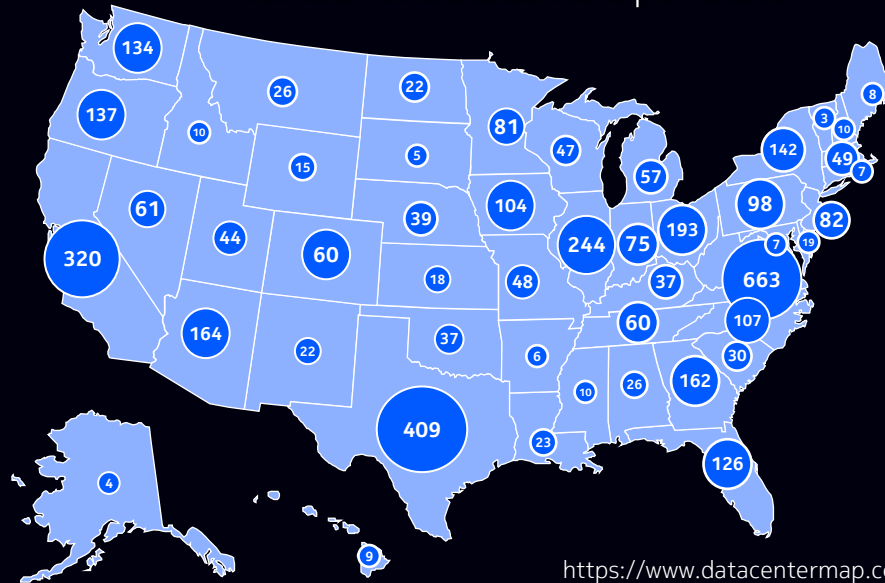
Fiber capacity exhaust
fueling new deployments

7.5%

Of all Power Generated in the US

Continued increase in
demands for power

Number of Datacenters per State



<https://www.datacentermap.com/usa/>

Scale

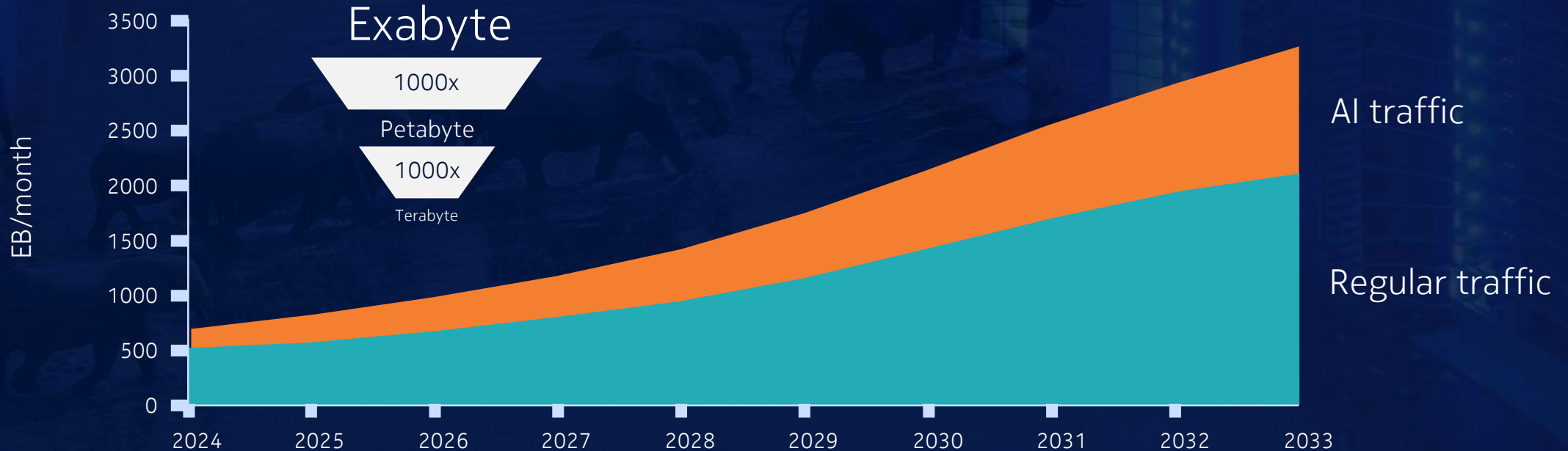
Security

Automation

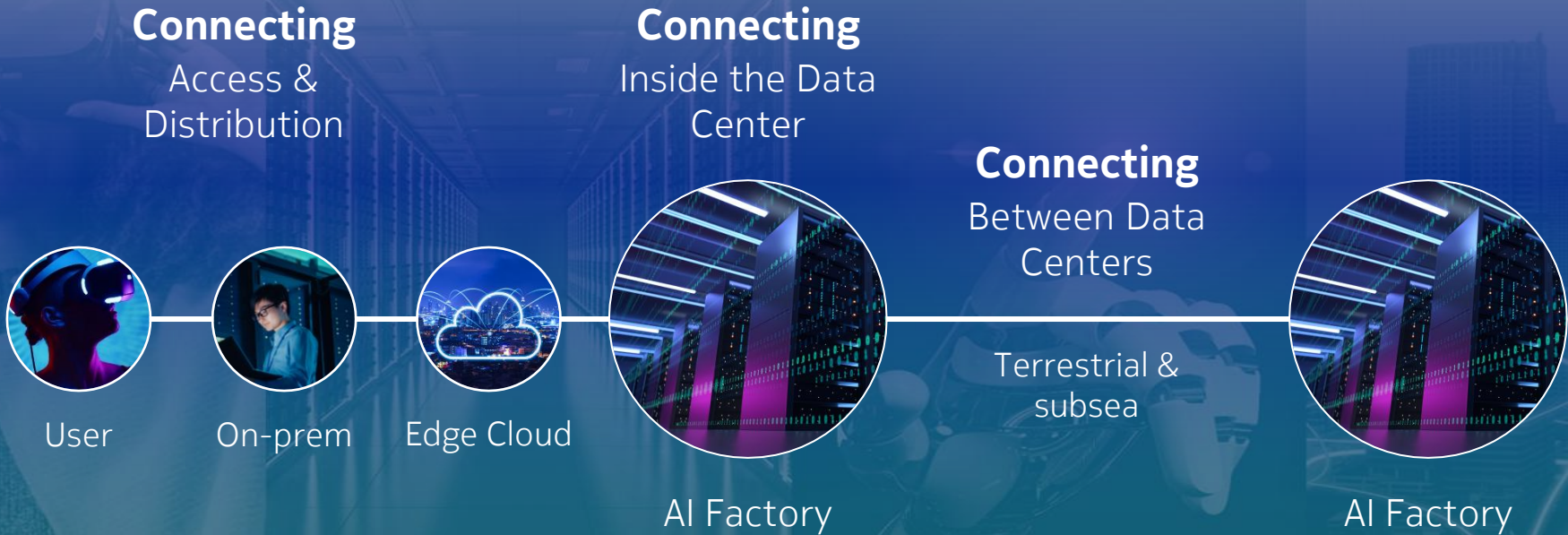
Collaboration

Exabyte scale, AI-driven elephant flows

Global Wide Area Network (WAN) traffic projections



Mega connectivity & future state architecture



The network-cloud continuum

AI training

AI Factory



Millions of GPU hours
Large bandwidth needed

The network-cloud continuum

AI inferencing and consumption of AI content

User

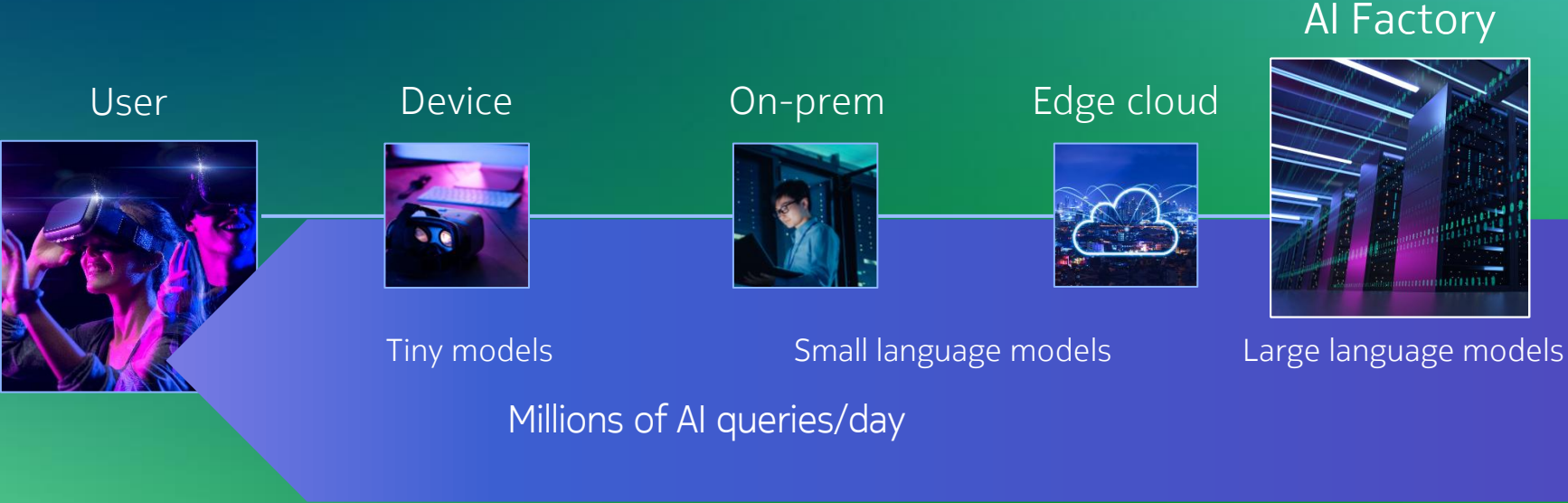


AI Factory



60-70%
of AI workloads will shift to real-time inference by 2030

AI inferencing and consumption of AI content



Ensuring resiliency & security in the network-cloud continuum



User



Device



On-prem



Edge cloud



AI Factory



AI Factory

Multi-gig access, multi-layer IP and optical network infrastructure connecting all users

Anomaly
Detection

Quantum-safe
networks

Fiber
sensing

An era of ecosystem co-creation & collaboration

NSCALE



Lenovo

kyndryl™

 CoreWeave

 Microsoft





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Why Nokia IS the “future of the communications.”

Chipsets, components, materials science

Routing chips



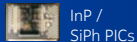
Fixed access chips



Coherent DSPs



Optical components



Open Network Platforms

Network Routers



Data Center Switches



Optical Network Systems



Fiber access & optical LAN



Agile System Software



SR Linux

SROS

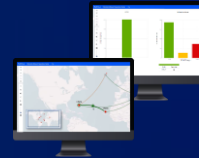
SONIC

Lightspan

WaveOS

CortecaOS

AI-powered automation



WaveSuite & Transcend
Network Service Platform (NSP)

Event Driven Automation (EDA)

Corteca

Altiplano

Trust & Quantum Security



Quantum-safe networks (QSN)

Fiber sensing

Security Gateways

Deepfield Defender (DDoS)

Platform security

Foundational research & innovation



NOKIA
BELL
LABS

Go-to-market & partnerships | Global supply chain and services | AI for operational transformation



Scale



Quality



Automation



Collaboration

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