



**NOKIA**

# The Opportunity from Tech-Tonic Shifts

Volker Ziegler

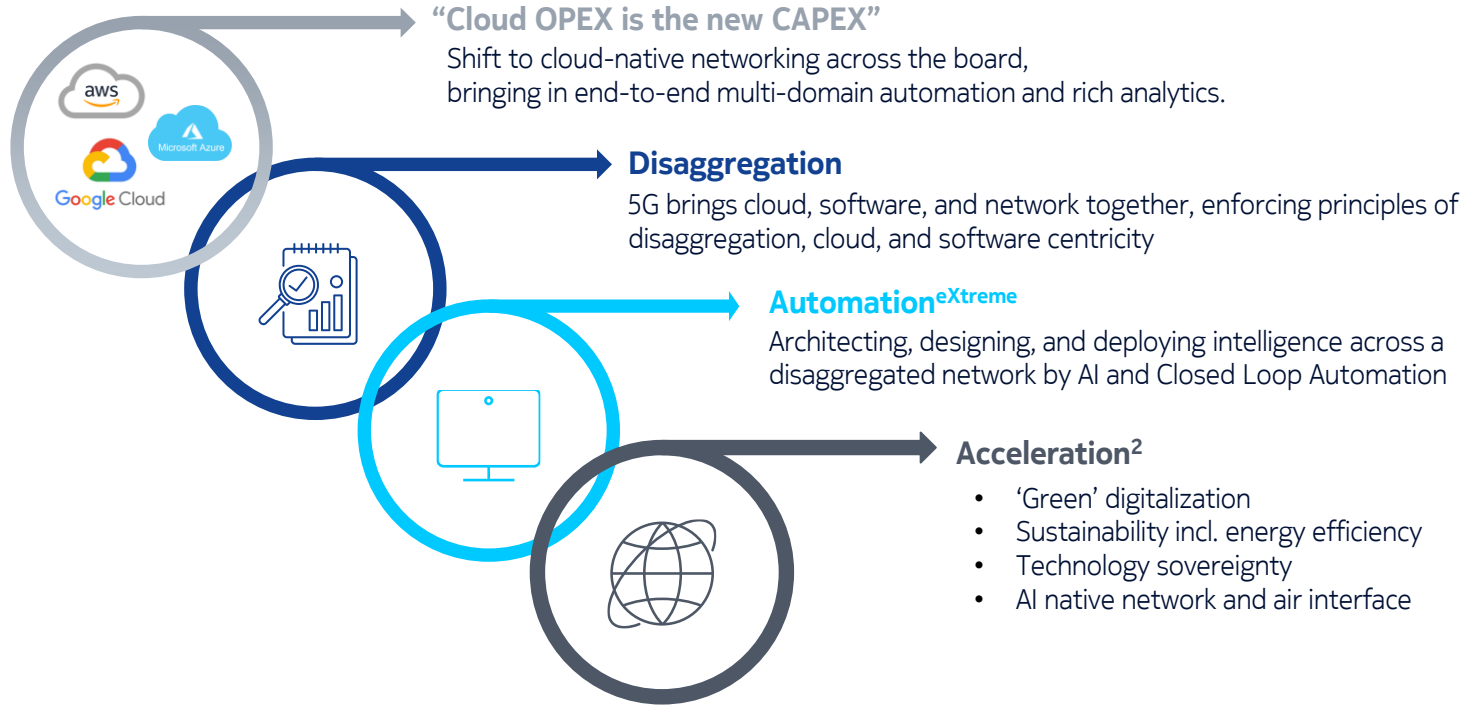
Chief Architect, Senior Technology Advisor

Open RAN workshop

BEREC

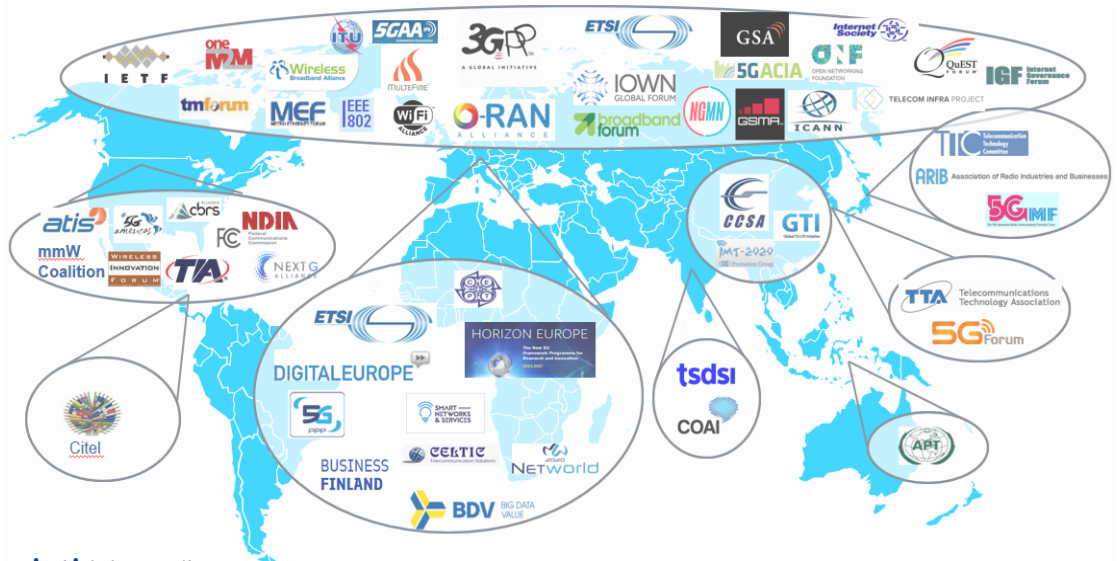
May 24, 2022

# Tech-tonic shifts



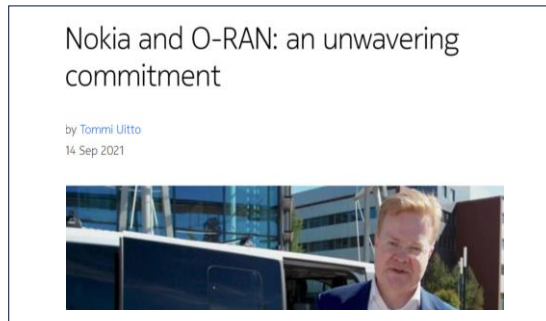
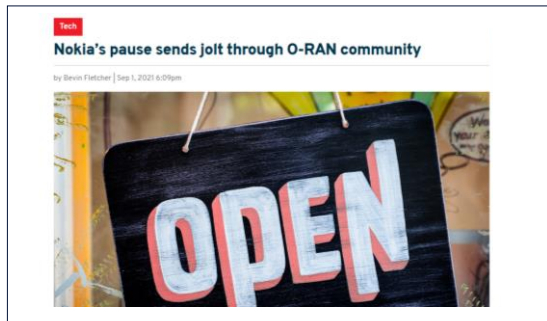
# We create technology that helps the world act together

- Global standards for global market
- Voluntary Consensus Based Standards (WTO principles)
- Defend economy of scale and interoperability
- Avoid government intervention
- Inventor-friendly policies promote innovations



Nokia is member of 500 SDO's and Associations  
Global network of experts represent Nokia in standardization

# Nokia and O-RAN Alliance : an unwavering commitment



Continued leadership  
and contribution in  
O-RAN work

Leader

No compromise in  
compliance

[worldsmoethicalcompanies.com](https://www.worldsmoethicalcompanies.com)

Ethical

Security, privacy and  
trust and sustainability  
as business imperatives

Values

Drive O-RAN  
World class execution for  
world class R&D  
Evolve to voluntary  
consensus-based  
organization (WTO definition)

Sustainable

# O-RAN ALLIANCE: Nokia intent and objectives

## Technology development

### RAN management & automation



- Enable AI/ML-empowered, intelligent RAN, fit-for-purpose programmability & resources optimization
- value of automation assets (platforms, Smart Apps, cloud center)
- Foster innovation, leveraging the aaS paradigm

### RAN cloudification



- Enable flexible deployment options
- Plug-and-play for software module on any platform and infrastructure
- Cloud orchestration products in an O-RAN environment

### Open fronthaul



- Multi-vendor RU & DU combination
- Balance between performance, bandwidth and complexity
- Ensure minimal #of variants
- Support all Radio types and standards

### Security



- Ensure native security and robustness, access control for information exposure and programmability, trustworthiness and data protection

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