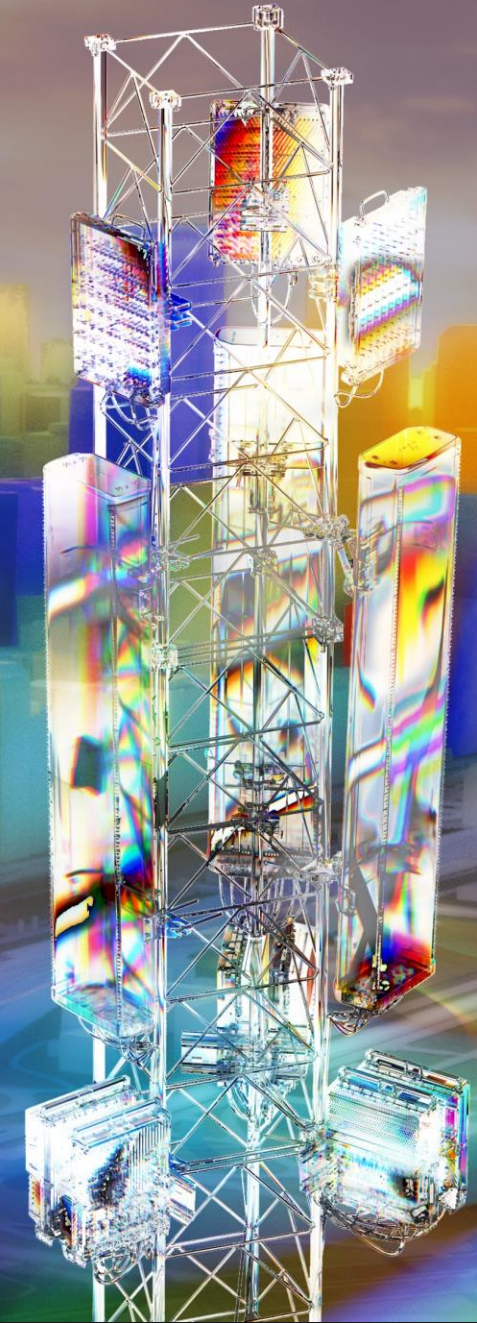


# Neue Möglichkeiten mit 5G Advanced

Dr. Christoph Bach  
CTO Service Providers  
Ericsson GmbH

5G.NRWeek 2024 – Jahreskonferenz, 21. November 2024

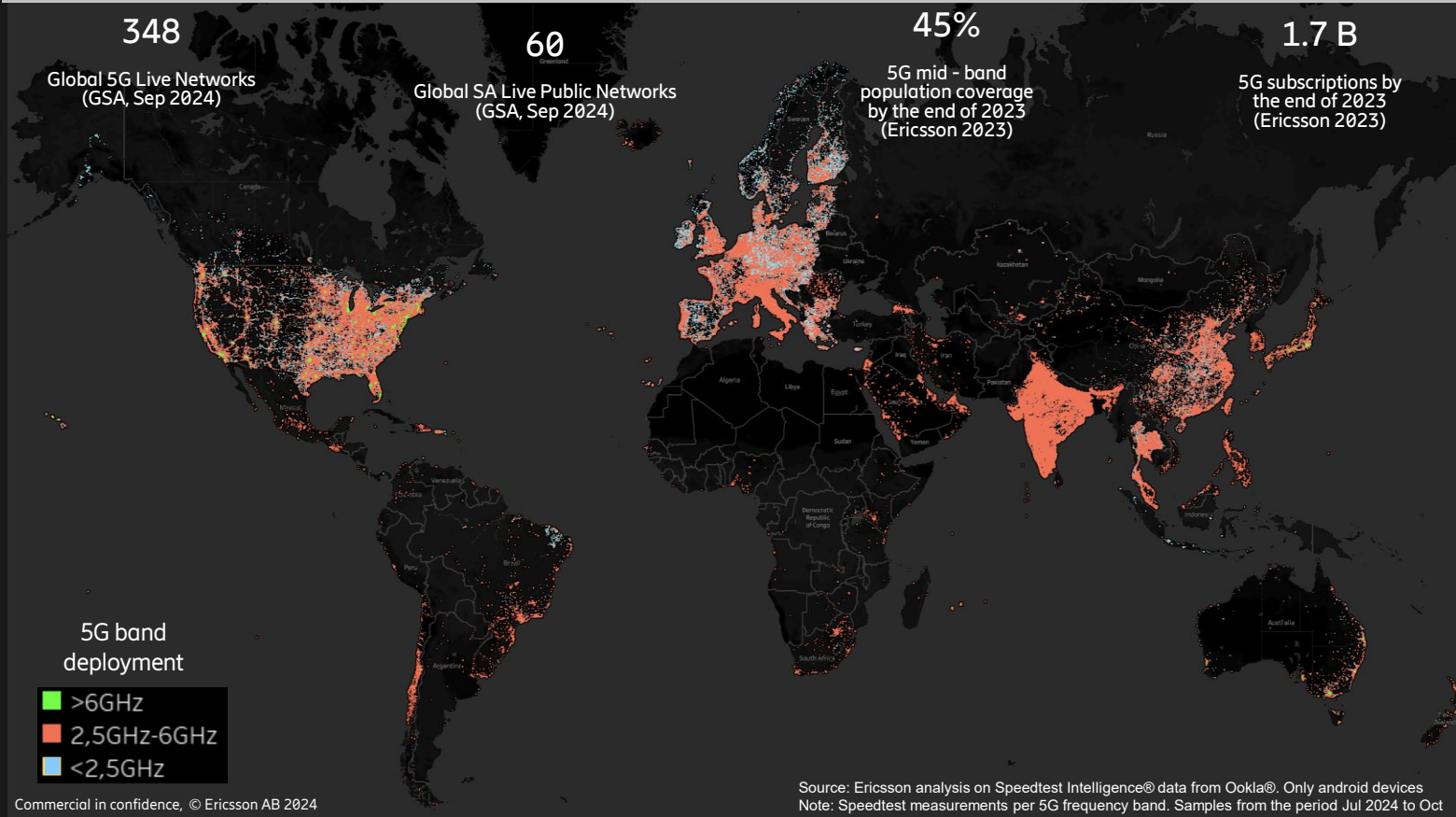




# Globally, 5G mid-band population coverage has reached around 45%

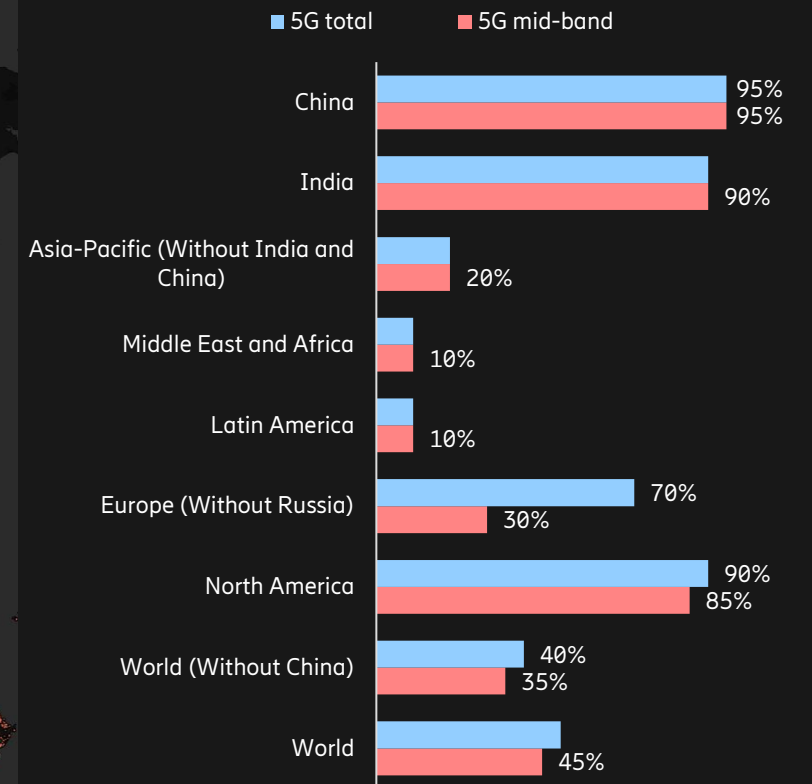


Global 5G map showing 5G speed test samples per frequency range (Android devices only)



Commercial in confidence, © Ericsson AB 2024

Mid-band population coverage, split by region



\*Source: Ericsson Mobility Report, June 2024

# 5G Advanced – what does it enable?



High-load scenario performance gain



- Premium Network Performance
- Premium Network Performance



Uplink heavy uses cases

Optimize energy consumption  
Secure QoS target



- Energy Efficiency and Management
- RedCap



New device types for mid-tier use cases with rightsized cost

Supporting advanced differentiation for high-value connectivity



- RAN Differentiated Connectivity
- Outdoor Positioning



Localization-based services with or without GPS assistance

New services requiring consistent, reliable and bounded latency



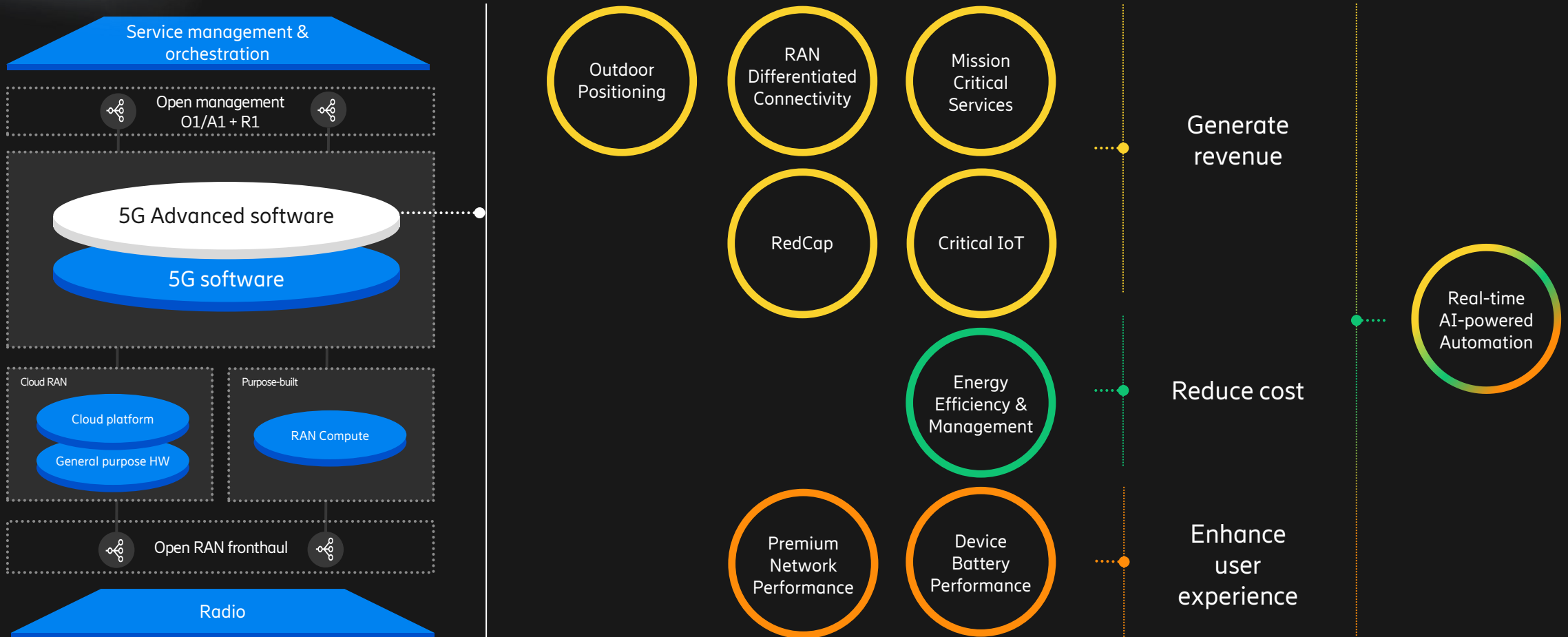
- Critical IoT
- Mission Critical Services



Priority-based connectivity and tailored features

- Generate revenue
- Reduce cost
- Enhance user experience

# 5G Advanced portfolio





# 5G Advanced – today and tomorrow



Video conferencing



Cloud gaming



Cloud AR/VR



Mobile cameras



Integrated sensing and communication

Unmanned aerial vehicles



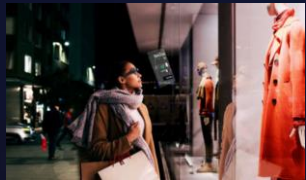
Advanced driving assistance system



Autonomous mobile robots



RedCap



Remotely controlled driving and transport



Remote operations for ports



Remotely controlled drones



Remotely controlled machines



Non-terrestrial networks



Uplink heavy use cases



Live broadcast



Localization-based services



Public safety services



Enhanced connectivity over rail



High-load scenario performance gain



Security



Fragen ???

