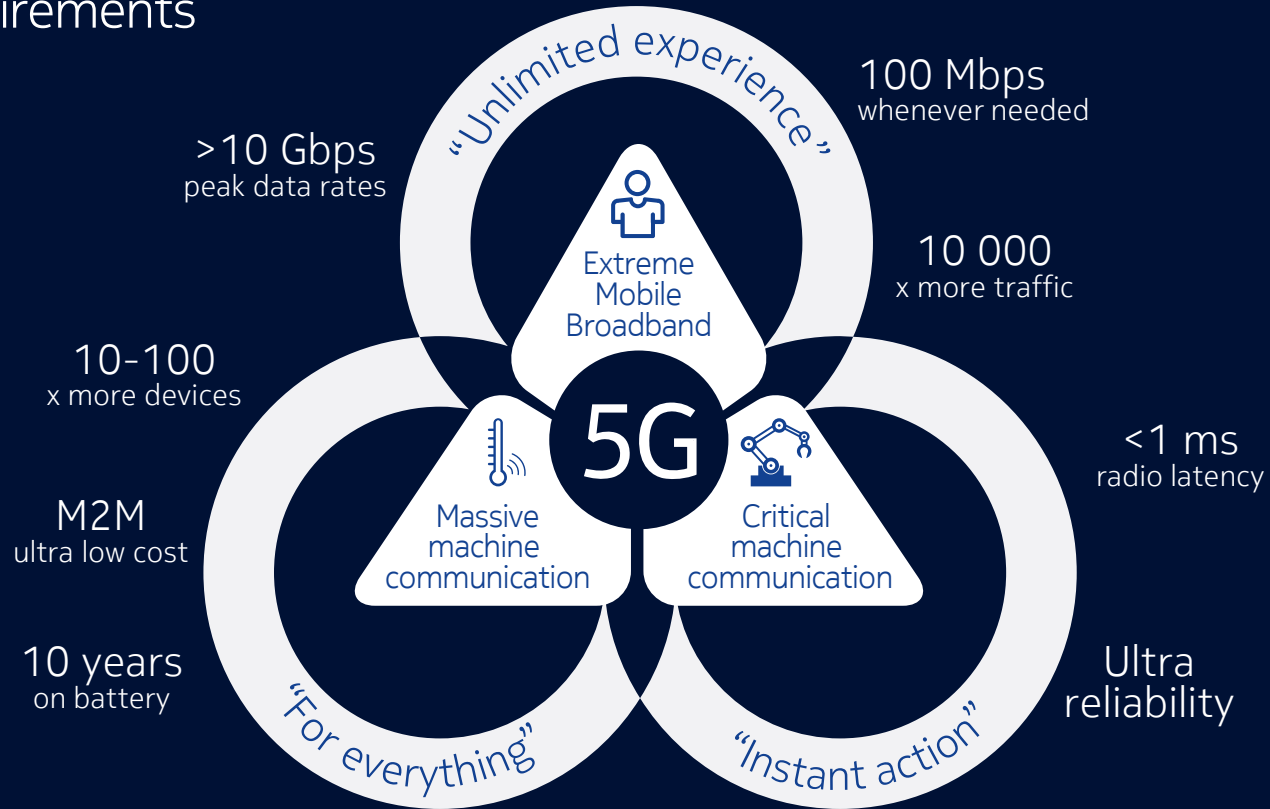


5G for people and things  
Key to the programmable world

NOKIA

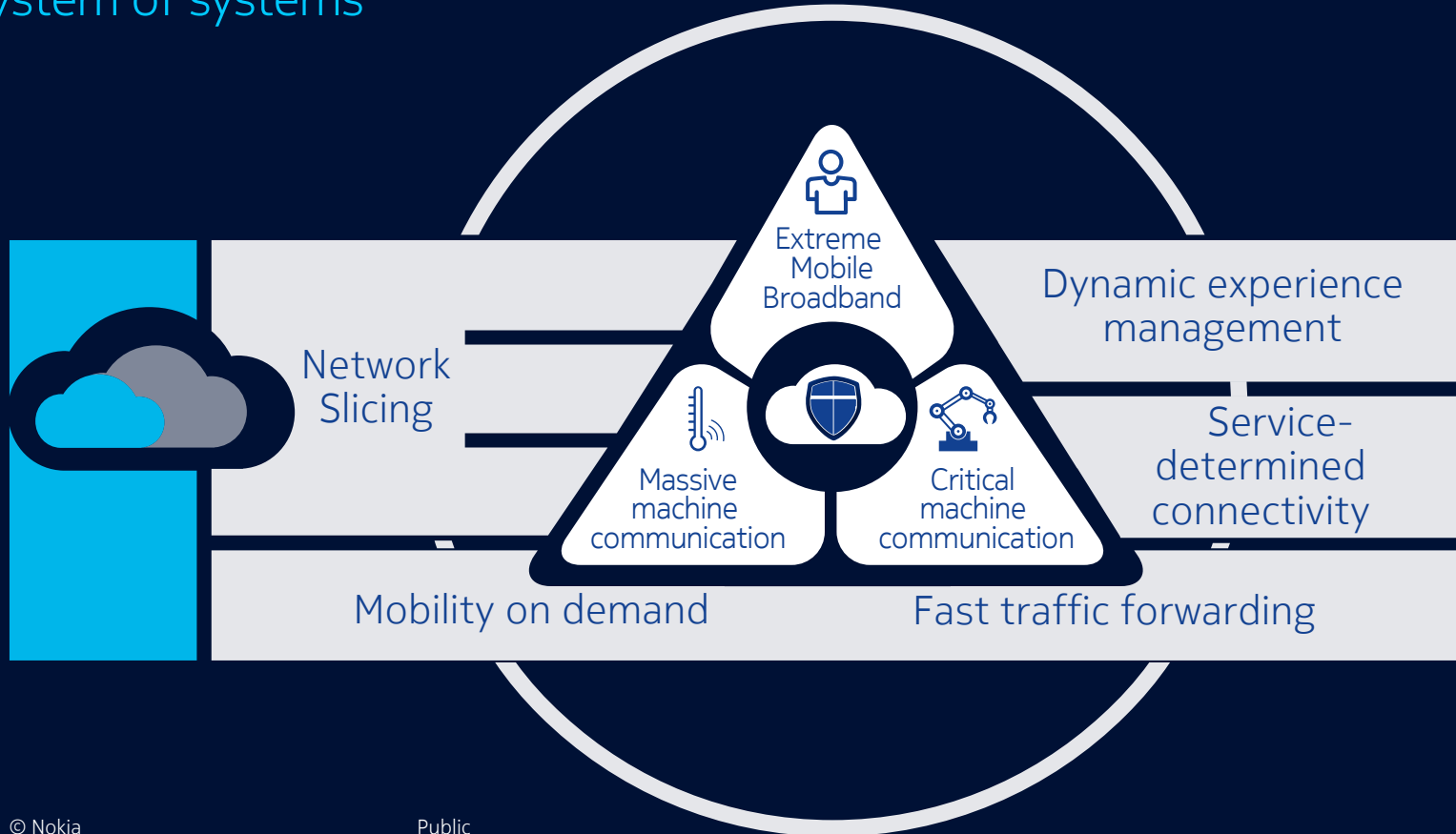
An aerial photograph of a large group of skydivers in freefall, arranged in the shape of the Nokia logo. The skydivers are seen from above, with their shadows cast on the ground below. The background is a vast, hazy landscape with a winding road or path visible on the left side. The sky is a pale, hazy blue.

# Heterogeneous use cases – diverse requirements



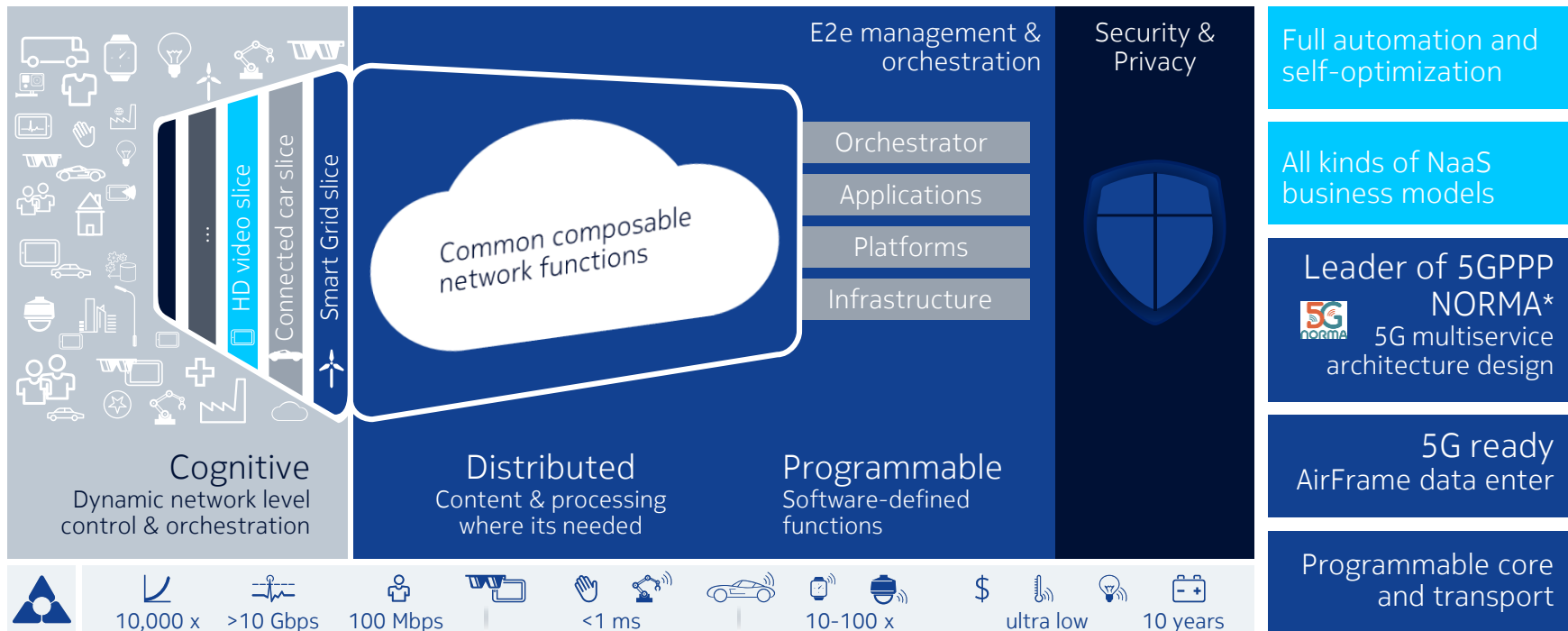
# 5G for people and things | Key to the programmable world

## System of systems



# Network Slicing | Optimized service delivery for heterogeneous use cases

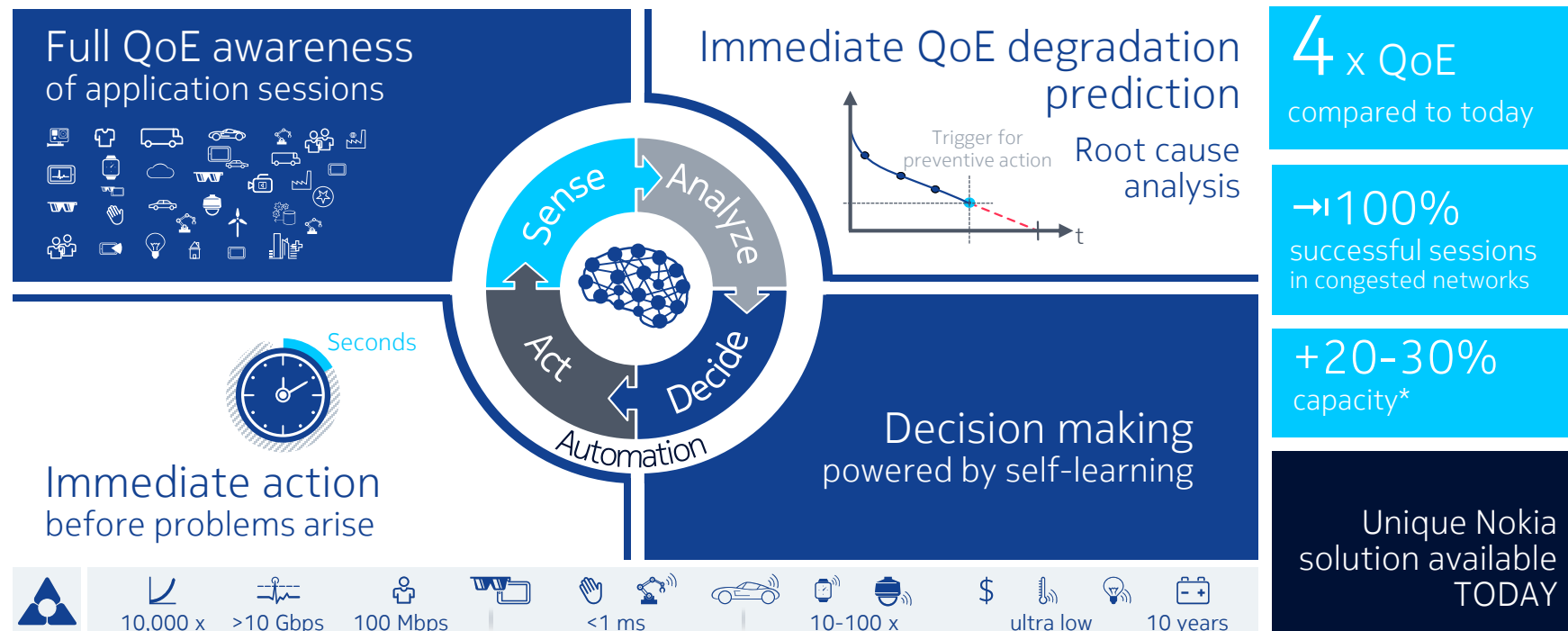
## Multiple independent instances on one physical network



\*5G Novel Radio Multiservice adaptive network Architecture

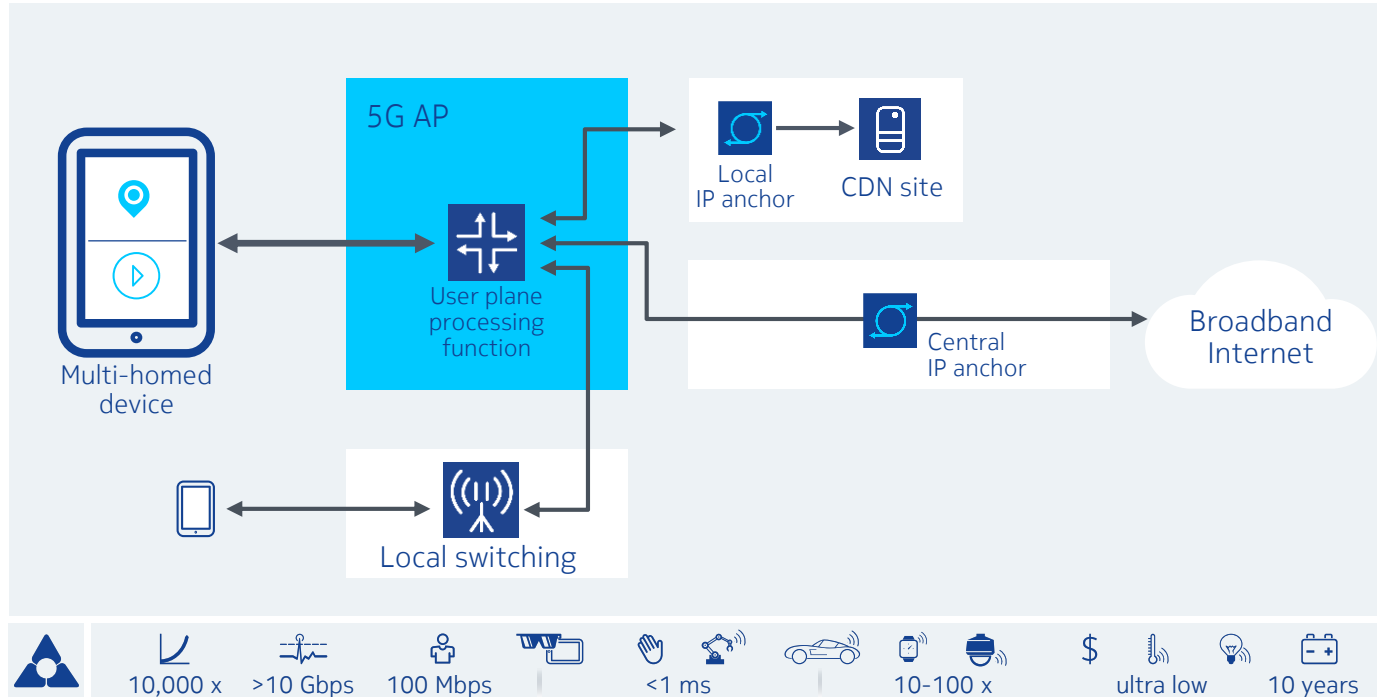
# Dynamic Experience Management | Superior quality at less resources

Automated QoE optimization of each application session



# Service-determined connectivity | Latency, resilience and FMC

Any-to-any connectivity, path selection according to actual service demand 



Optimal path  
routing

New network  
services  
e.g. Any-to-Any FMC

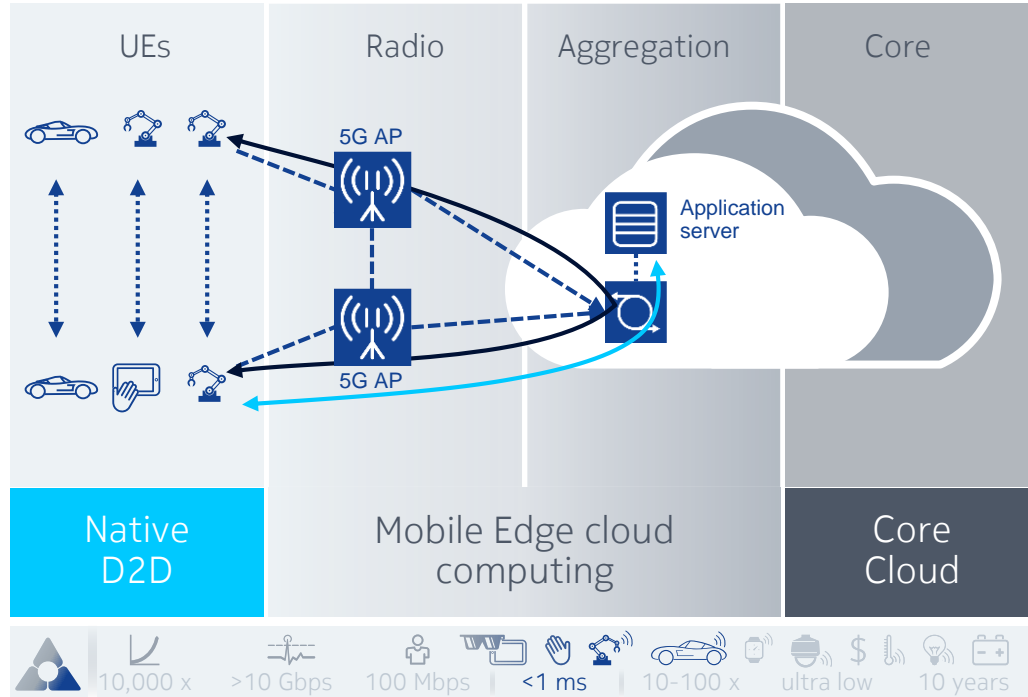
Higher resilience

C and U plane  
separation demo  
with SKT

Car to Infra trial

# Fast traffic forwarding | Enabling a new generation of latency critical services

## Lowest latency packet forwarding to UEs



Moving  
virtual networks



Mission-critical  
services, e.g. in V2X or  
industrial applications

|                     |                 |
|---------------------|-----------------|
| Central cloud based | > 50 ms latency |
| Mobile Edge LTE     | ≈ 10 ms         |
| 5G Edge             | ≈ 2,5 ms        |
| 5G D2D              | ≈ 1 ms          |

Vehicle2Infra trial  
on German motorway

Pioneer in Mobile  
Edge Computing

Vehicle2Infra  
live demos

ETSI ISG Chair



10,000 x

>10 Gbps

100 Mbps

<1 ms

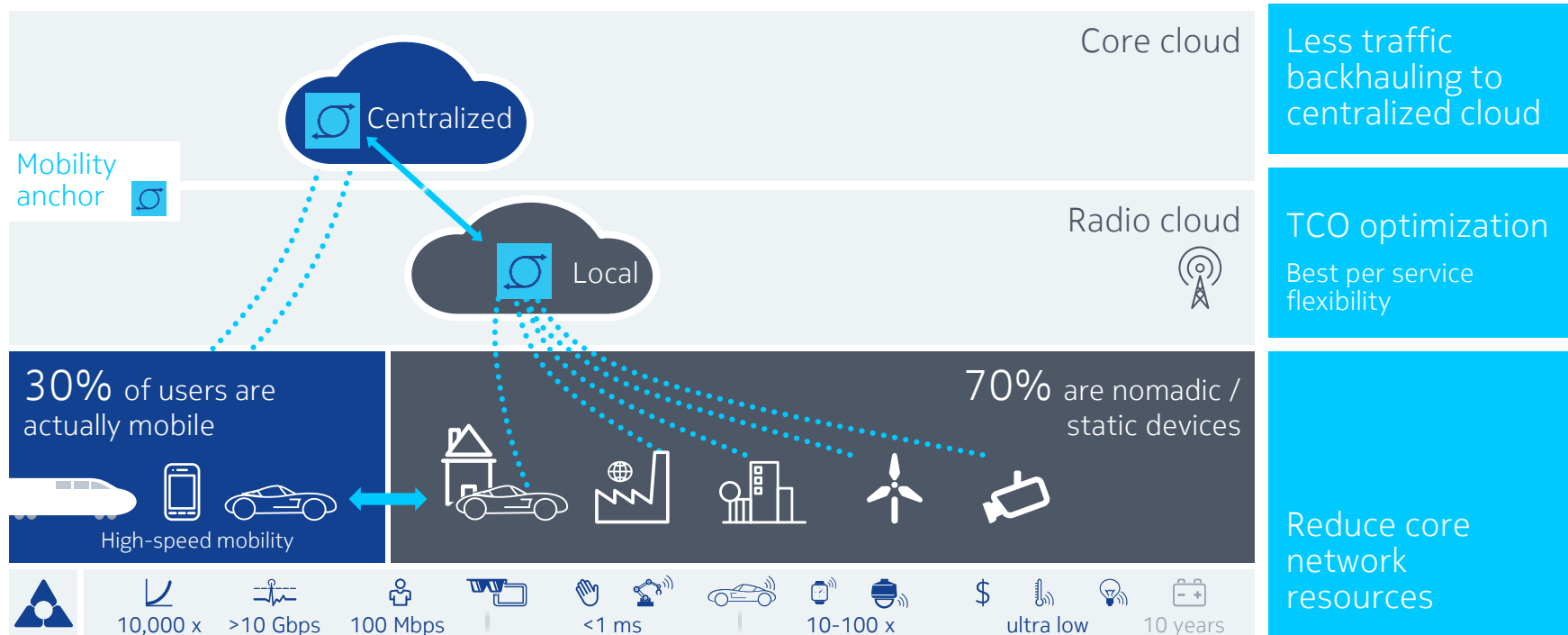
10-100 x

ultra low

10 years

# Mobility on demand | Highly efficient resource utilization

## TCO optimized use of network resources





# Active in shaping and aligning the global 5G end-to-end ecosystem



**NOKIA**