NOKIA

# Unleashing the potential of connected mobility

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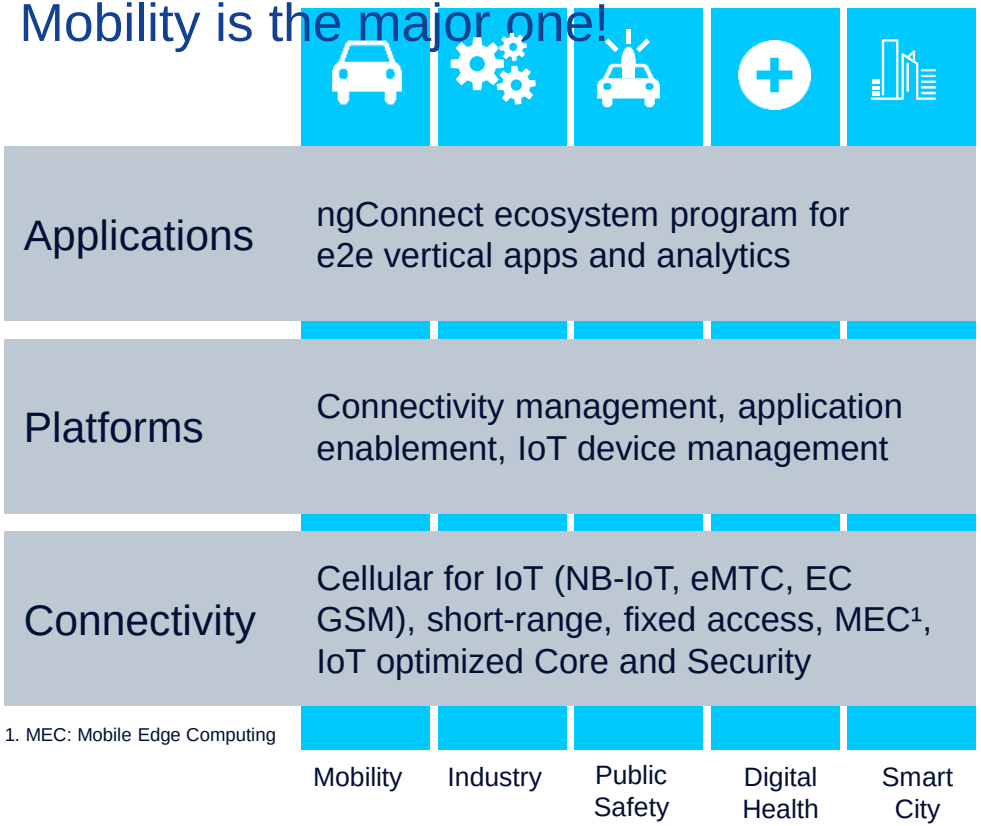
# Nokia is shaping IoT-optimized networks and applications in 5 selected verticals

## Mobility is the major one!




- Build E2E competence for IoT business in selected verticals with global SI capabilities and develop IoT ecosystem program
- Build value add with Nokia IoT platform solutions pre-integrated with Nokia Core
- Build on Nokia key competence in standardized, globally available connectivity solution with key differentiators like MEC, Airframe or Security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# What Nokia does to unleash the potential of connected mobility

## Connected car

## Communication networks

### Cyber secure connected car

End-2-end security over various communications technologies

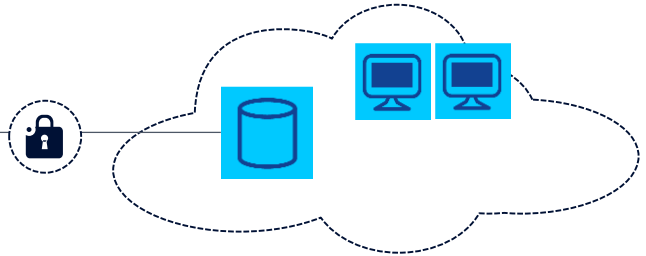
### Intelligent communication infrastructure

Low-latency broadband communication and distributed cloudlets

## Connected car backend

### Connected car applications & analytics

Video analytics, fleet management, asset tracking API for 3rd party applications



### Over-the-air Connected car management platform

IoT platform for device management, data collection, in-car software management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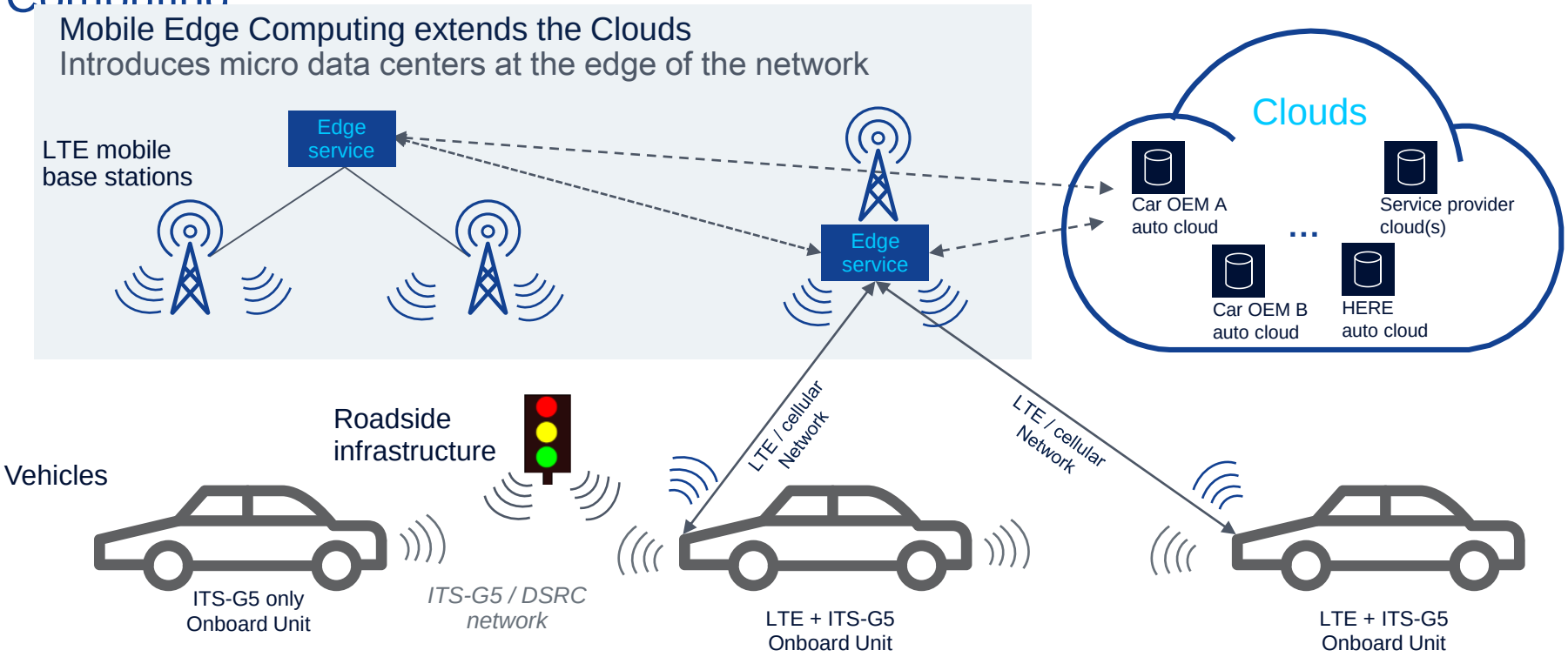
# Intelligent Communication Infrastructures
# V2X (Vehicles/Infrastructures) communications via LTE with Mobile Edge Computing





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# Test bed of German Government for mobility 4.0 innovations

## Mobile Edge Computing reduce communication latency on the network

< 20 ms

Central cloud for connected cars

Base stations equipped with Mobile Edge Computing

Distributed „cloudlets“ for connected cars

## Benefits

Low 15-20ms application latency enables near real-time communication improving road safety

Partners

Continental

T

Fraunhofer ESK


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