

**NOKIA**

# Worldwide IoT Network Grid as a Service (WING)

Mobile IoT Ecosystem

# Mobile IoT will change the world



# NB-IoT and LTE-M technology will enable the IoT

## Extended coverage

Installed base Max.  
Coupling Loss

## Economies of scale

Global standard and ecosystem

## Longevity

Battery life  
Network support

## Reliability

Licensed spectrum

## Efficient rollout

Software upgrade

## Security

Established LTE mechanisms

## Path to 5G

Global 3GPP standardization for continuous evolution

## Ecosystem

Large portfolio of integrated solutions

# Use Case Requirements and Wide Area Networks.





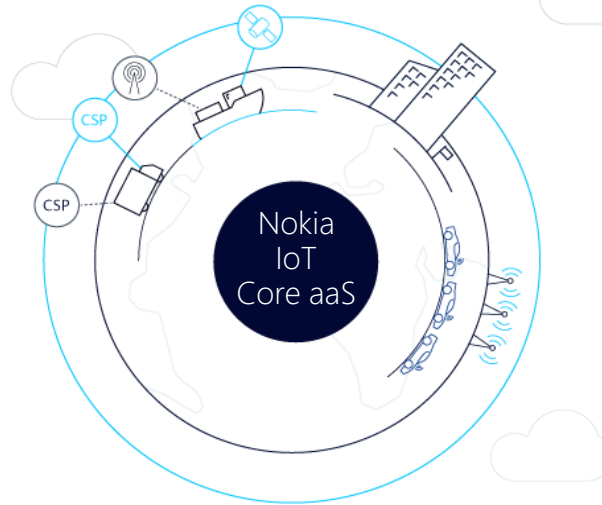
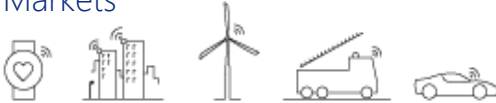
# Nokia worldwide IoT network grid as a service

Accelerates transition to a truly connected world

## Nokia WING

Enable global seamless connectivity across network technologies and geographical boundaries for Internet of Things

### Markets



## One Stop-Shop

Global Core

- Multi technology
- Subscription management
- Device management
- Operations
- Customer care
- Billing
- Managed security
- Global Partner ecosystem
- Innovation. Future proof

### Benefits for MNOs and Enterprises



Fast time-to-market with IoT connectivity



New revenue streams



Global connectivity for a wide range of applications



Single point of contact for fast service



Partner portfolio applications



Partner for IoT product innovation

# How to get started?



## Summary

NB-IoT and LTE-M address a large number of IoT applications with cost, coverage or battery life limitations.

The standardization and the development of the Mobile IoT ecosystem requires collaboration between customers, mobile operators and vendors.

Nokia WING managed service for IoT reduces complexity and maximises the RoI of Mobile IoT solutions.

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