

April, 2018



#### Agenda

#### **BASICS ON NETWORK SLICING**

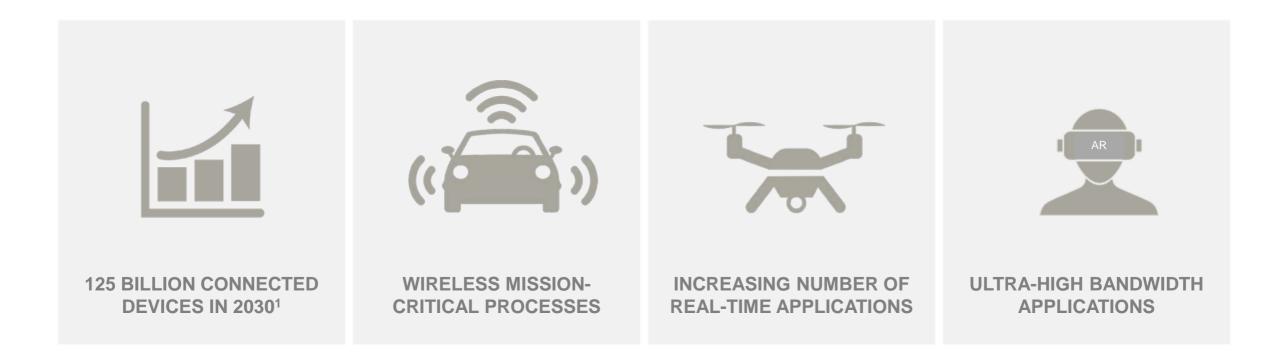
Concept – Service Orchestration – Business Models

USE CASES / VALUE PROPOSITION Overview – Smart Factory Case

**5G NETWORK SLICING ASSOCIATION** Role - Vision – Mission – Activities – Members



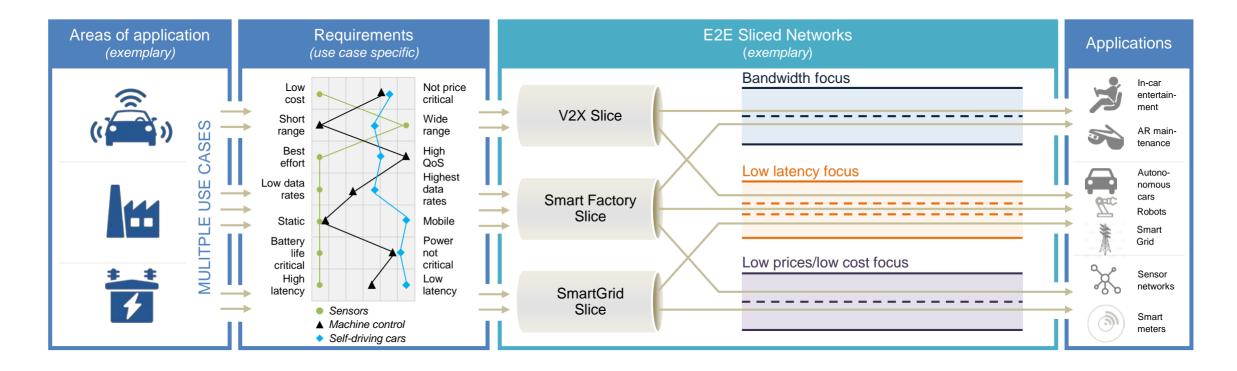
#### Why Network Slicing is important



## Digitization and automation of various industries define completely new and substantially different requirements



#### The basic concept of Network Slicing coming with 5G



Fulfilling diverse connectivity requirements in multiple logical networks created on top of a common shared physical infrastructure



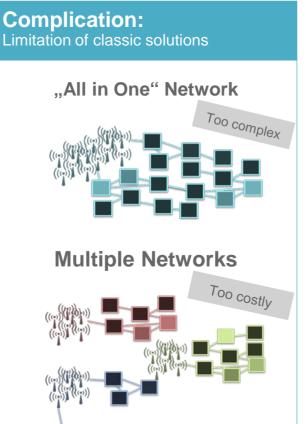
# Network Slicing is key enabler for different products on the same infrastructure

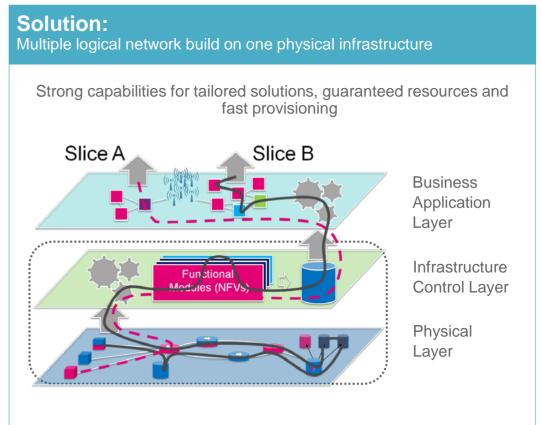
**Situation:** Diversity of use cases call for flexibility



5G Networks need to support flexible levels of: Mobility, Latency, Bandwidth,

Coverage, Functionality, ....







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**BASICS ON NETWORK SLICING** Concept – Service Orchestration – Business Models

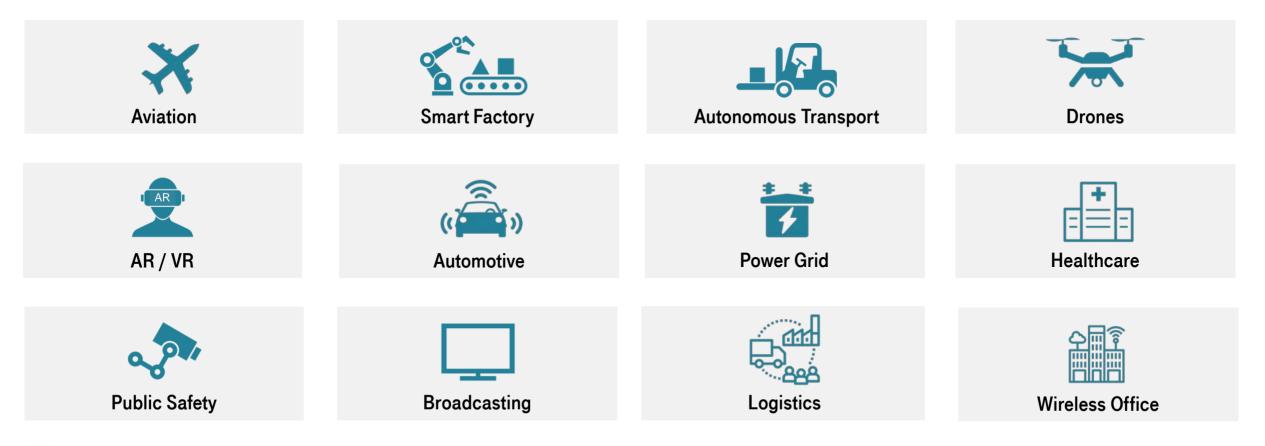
#### **USE CASES / VALUE PROPOSITION**

**Overview – Smart Factory Case** 

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**Overview - potential areas of application for Network Slicing** 





#### New specialized services to be commercialized in a different way

B2C – Mass Market Services

B2B/Verticals -

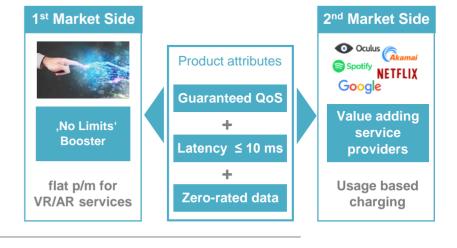
**Specialized Services** 

- Service offering model enables premium service experience
- Providing new partner / cooperation models for premium service/connectivity experience
- Premium service offering for both sides of the market (end users) 1<sup>st</sup> market side and 2<sup>nd</sup> market side (value adding service providers)

Customer / Vertical tailored services, combining premium connectivity & capabilities

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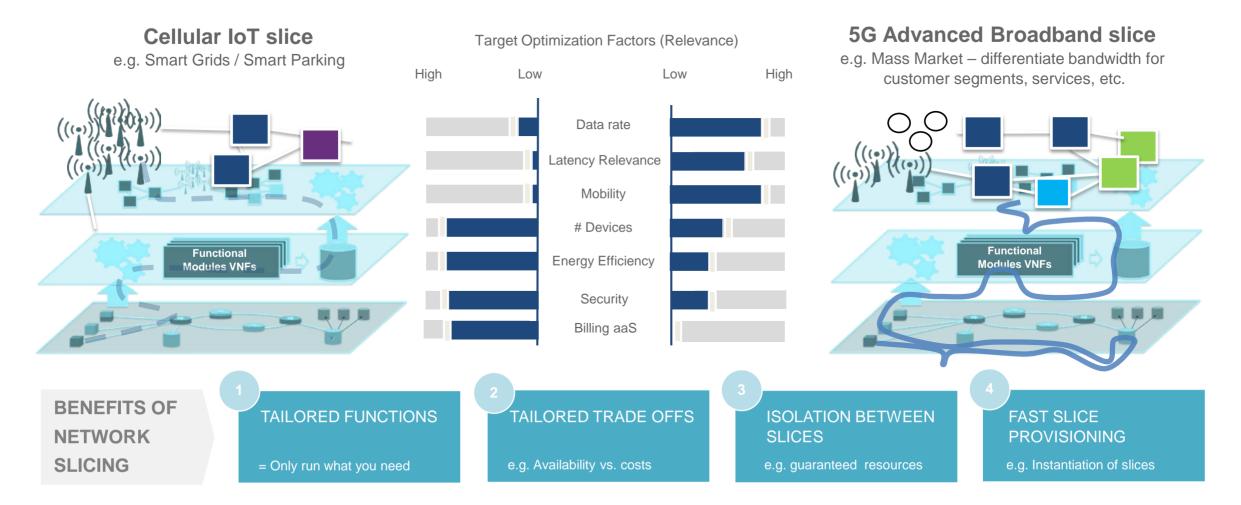
- Ignite new business around with 5G exclusive features as Edge computing / ultra low latency
- Roaming 2.0: Global reach in operator alliance to achieve world-wide service delivery consistency







#### **Two 5G Network Slicing Examples**





#### The Network Slicing Value Proposition at a glance

#### Network Slicing supported

network services fuel the industry digitization though:

- cost-effectiveness
- customization
- guaranteed performance





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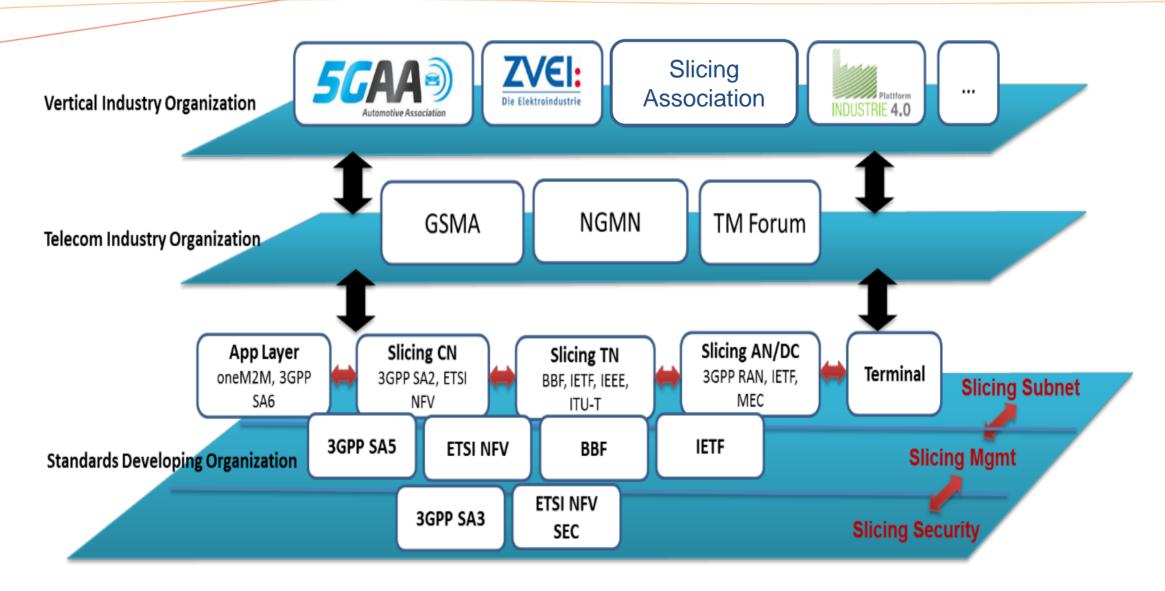
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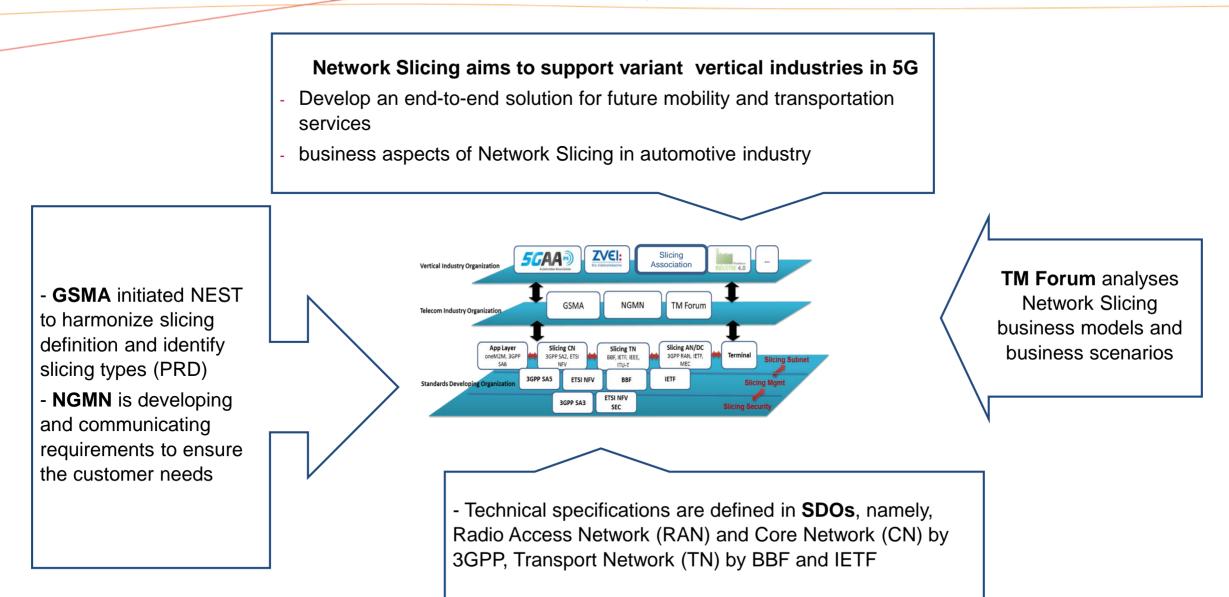


## Network Slicing Relevant Industry Groups and SDOs Landscape

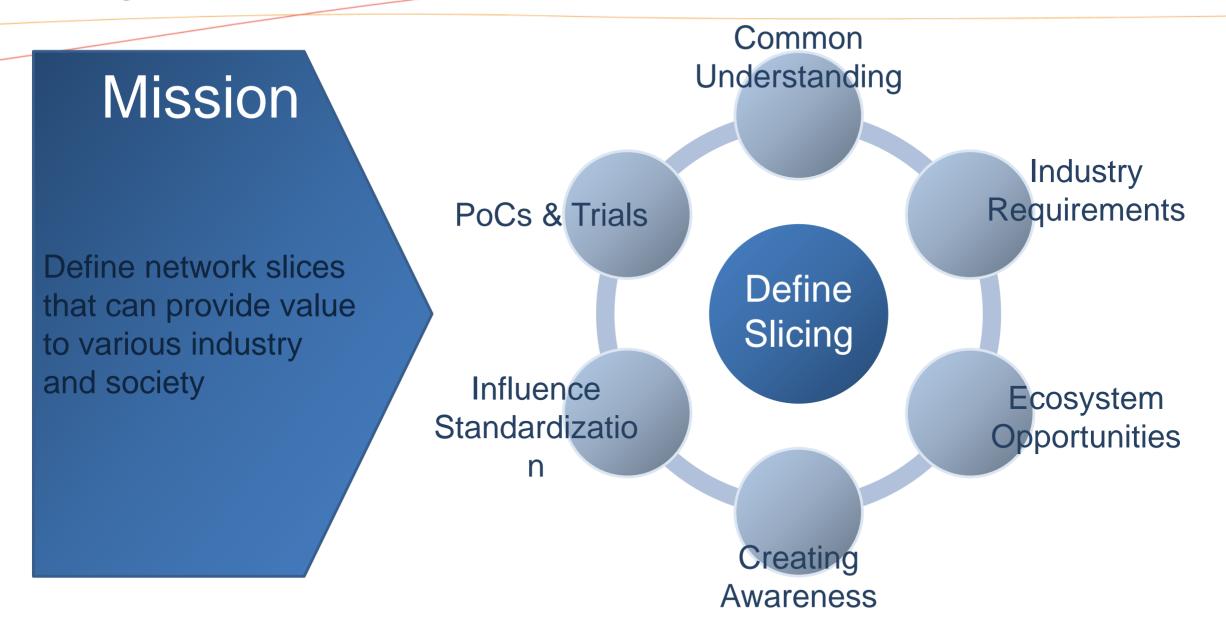


Source: Huawei

### Network Slicing Relevant Industry Groups and SDOs Landscape



## **Slicing Association**

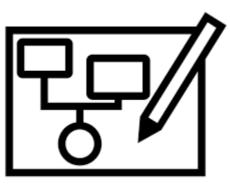




## MoU Slicing Association







## Cross-Industry Positionpaper



**5G Slicing Association Members** 



## **DIGITAL DOMAIN Fraunhofer**









