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# 101

Driving Mobile IoT Adoption through Roaming & Global Partnerships

Mobile World Congress / Mobile IoT Summit I Barcelona I 30.06.2021 Jens Olejak, Head of New Access Technologies, DT IoT

■ ■ ERLEBEN, WAS VERBINDET



#### About Deutsche Telekom



#### **Customers**

- 241.8 mn mobile customers
- 27.4 mn fixed-network lines
- 21.7 mn broadband lines



**Markets** 

- Present in > 50 countries
- Own networks in Europe and the USA
- **T-Systems:** global presence & alliances via partners



#### **Financials**

- Revenue € 101 bn
- Adjusted EBITDA AL<sup>1</sup> € 35 bn

  Free Cashflow AL<sup>1</sup> € 6.3 bn



### **Employees &** responsibility

- **226,291** employees globally
- **6,100** trainees and cooperative degree students in Germany
- Pioneer of social issues (climate protection, data privacy, diversity etc.)

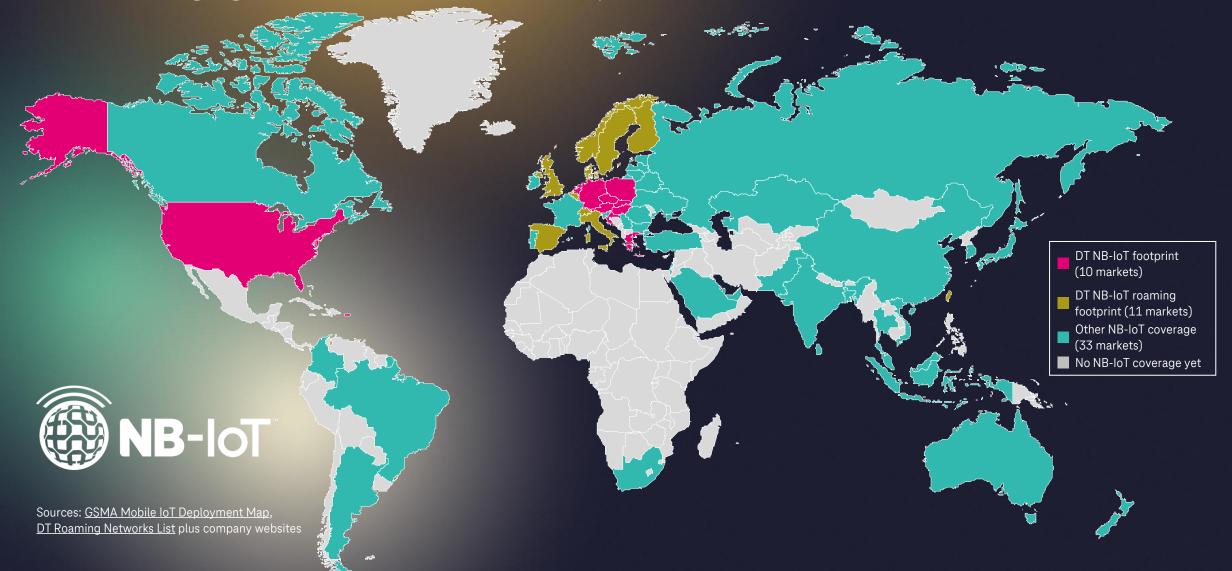
#### About Deutsche Telekom IoT



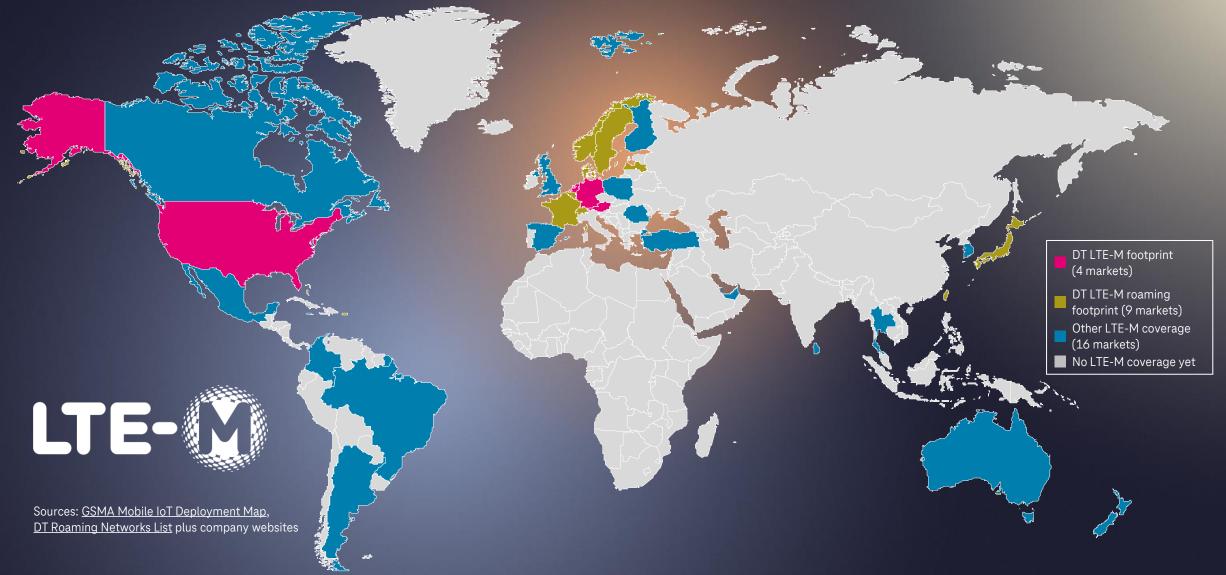




#### Growing global NB-IoT footprint – 105 launches so far



### Growing global LTE-M footprint – 53 launches so far



#### Monetizing NB-IoT and LTE-M networks

Classic wholesale charging models not suitable for Mobile IoT

#### **Billing & Charging Evolution (BCE)**

- New charging model incl. "attach" fee
- Bulk reporting for cost-efficient invoicing

Defined by GSMA (BA.27, TD201-TD206) in 2019



#### Ensuring an excellent Mobile IoT roaming user experience

### Global network coverage

Further national roll-outs



**Up-to-date** 

feature sets

Deployment of essential Rel. 13/14 features

Transparency on network availability

Exhaustive online coverage maps



### Network-conform application design

Guidelines for IoT developers





Highest service availability

No Harm to Network embedded in chipsets



## International service continuity

Transparency on network features and settings





#### DT's IoT Chipset and Module Certification Program







#### The IoT Solution Optimizer

Modelling IoT projects at the blink of an eye

Year Battery Life gained on average

Years of faster time-to-market for a superior return on investment

Global partner ecosystem of IoT companies aws SONY OVECLIA **■ SEQUANS** lierda DIGI muRata CEVA ADVANTECH SERED/M Heimaniii曼 CHEERZING neoway Telit \*nedap *₩E* :: **SOSUNCA** FIDOCOM **TELTONIKA** เป็ กมาเลง เ **C**blox ignion<sup>№</sup> QUECTE **FOXCONN** EK<sub>NONO</sub> 🌢 QOITECH **GOODIX** POLTE aemalto\* CHORDANT MobileTek JimiloT | Conc♥x SKYHOOK + many more on the way...





#### nuSIM – The integrated SIM for IoT





**Oltair** 

COMMSOLID by GODDIX









Qualcomm

ACP AG
Advanced Circuit Pursuit

**SEQUANS** 

#### **Modules**

















Bringing together industry-leading players to innovate the IoT market

### Security & Software





















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