

## CONNECTED GERMANY 2021 - December 7-8, 2021, Mainz Congress Hall

### DAY 1 -December 7

09:00 Chair's opening address

### Morning Plenary: 5G and Future Networks

09:10 Keynote presentation

Modernising legacy infrastructure for full 5G connectivity

09:25 Keynote presentation

Delivering connectivity for everyone: Urban, rural and 5G

09:40 Keynote presentation

Standalone 5G networks – an achievable end of year goal?

*Malik Rao, Chief Technology & Information Officer, Telefonica Deutschland*

09:55 Keynote presentation

Achieving a fully virtualised 5G network in Germany

**10:10 CxO PANEL: Looking towards 2025: what's next for 5G?**

- Progress report: Key developments in 5G rollout
- Strategy, technology & regulation
- Regulation – spectrum and security
- Opportunities for the consumer and enterprise markets

*Malik Rao, Chief Technology & Information Officer, Telefonica Deutschland*

**10:30 Presentation from Platinum Sponsor**

**10:50 Networking Refreshments**

<b>GIGABIT GERMANY</b>	<b>INDUSTRY 4.0</b>	<b>DIGITAL SOCIETY</b>
<b>11:20 Chair's opening address</b>	<b>11:20 Chair's opening address</b>	<b>11:20 Chair's opening address</b>
<b>11:25 Delivering a full-fibre Germany</b> <ul style="list-style-type: none"> <li>- Assessing Germany's current fibre landscape</li> <li>- Where should investment be prioritised?</li> </ul> - Integrating digital infrastructures: how can fibre & 5G rollout complement each other? <ul style="list-style-type: none"> <li>- Legacy infrastructures: when should copper networks be phased out?</li> </ul> - What will Germany's fibre network infrastructure look like in 2025?	<b>11:25 Digital manufacturing: assessing the landscape</b> <ul style="list-style-type: none"> <li>- What is "industry 4.0" and how can we realise its full potential?</li> <li>- Deepening collaboration between key players</li> </ul> - How will the 5G rollout enhance flexibility and efficiency within manufacturing? <ul style="list-style-type: none"> <li>- What technologies are set to transform manufacturing?</li> <li>- How close are we to fully realising smart factories?</li> </ul>	<b>11:25 Achieving digital inclusion in a Connected Germany</b> <ul style="list-style-type: none"> <li>- Where can public bodies and network operators collaborate most effectively to drive digital inclusion?</li> <li>- Where do digital platforms stand to have the most transformative impact?</li> <li>- Bridging the digital divide</li> </ul>
<b>12:05 Gold sponsor presentation</b>	<b>12:05 Gold sponsor presentation</b>	<b>12:05 Gold sponsor presentation</b>
<b>12.25 Roundtable</b>	<b>12:25 Roundtable</b>	<b>12:25 Roundtable</b>

**12:55 Lunch & Networking**

<b>GIGABIT GERMANY</b>	<b>INDUSTRY 4.0</b>	<b>DIGITAL SOCIETY</b>
<b>14:10 Optimising the regulatory framework</b> <ul style="list-style-type: none"> <li>-What has been the impact of the reformed Telecommunications Act?</li> <li>- A "light touch environment" in practice</li> <li>- Developing a coordinated framework</li> <li>- Bringing Germany into line with European leaders</li> </ul> - How can fibre rollout accelerate Germany's 2030 Green New Deal target?	<b>14:10 Private 5G campus networks</b> <ul style="list-style-type: none"> <li>- Private licenses</li> <li>- Network slicing and splicing</li> <li>- Security</li> </ul> - Beyond manufacturing: other potential use cases  <b>Antje Williams, SVP 5G Campus Networks, Deutsche Telekom</b>  <b>Thomas Heutmann, Head of Unit 226, Bundesnetzagentur</b>	<b>14:10 Connecting the countryside: addressing the issue of rural coverage</b> <ul style="list-style-type: none"> <li>- How can operators ensure ROI in expanding fibre networks to rural communities?</li> <li>- Where can public and private sector organisations best collaborate to deliver rural broadband?</li> <li>- How can fibre networks be rapidly built up and expanded in hard-to-reach areas?</li> </ul>

<p>- How can regulation incentivise sustainable digitalisation?</p> <p><b>Stephan Korehnke, Head of Regulatory Affairs, Vodafone Deutschland</b></p>	<p><b>Sander Rotmensen, Director of Industrial Wireless Communication Products, Siemens</b></p>	<p>- “Citizens cooperatives”: how can operators support community initiatives to develop fibre?</p> <p><b>Jan-Helge Lange, Managing Director, Deutsche Bahn Broadband</b></p>
<p><b>14:50 Gold sponsor presentation</b></p>	<p><b>14:50 Gold sponsor presentation</b></p>	<p><b>14:50 Gold sponsor presentation</b></p>
<p><b>15:10 Funding fibre: investment models and opportunities</b></p> <ul style="list-style-type: none"> <li>- Joint ventures: a new paradigm for fibre investment?</li> <li>- Consolidation, competition, collaboration: how will market dynamics evolve?</li> <li>- Expanded ecosystems: will the need for increasing investment see increased opportunities for new players within fibre?</li> <li>- Where should federal funding best be targeted?</li> </ul> <p><b>Jens Müller, Chief Financial Officer, Deutsche Glasfaser</b></p> <p><b>Jörg Spanier, Managing Director, Allianz Capital Partners</b></p>	<p><b>15:10 Realising the Smart Factory vision</b></p> <ul style="list-style-type: none"> <li>- Exploring the ecosystem: how can networks and industry best collaborate to deliver the Smart Factory vision?</li> <li>- How can industries successfully integrate multiple technologies?</li> <li>- What applications will 5G have for the Smart Factory?</li> <li>- Advanced robotics and artificial intelligence: mutually beneficial enablers?</li> </ul>	<p><b>15:10 Smart Cities</b></p> <ul style="list-style-type: none"> <li>- Developing an integrated strategy for smart cities</li> <li>- Establishing effective collaborative public/private partnerships</li> <li>- Where can smart cities have the biggest impact in driving efficiencies in essential services?</li> <li>- Public buy-in: can smart cities encourage a more holistic relationship between municipalities and their citizens?</li> </ul> <p><b>Michael Frank, SVP Smart Cities, Deutsche Telekom</b></p>
<p><b>15:50 Gold sponsor presentation</b></p>	<p><b>15:50 Gold sponsor presentation</b></p>	<p><b>15:50 Gold sponsor presentation</b></p>

**16:10 Networking Refreshments**

**Closing Plenary: Gigabit Germany**

**16:40 Presentation from Platinum Sponsor**

**17:00 Taking the final steps to Germany’s digital future**

- Improving collaboration between key stakeholders
- Tech, strategy & investment - what needs to change going forward?
- Ease of access: increasing capacity & reducing regulatory burdens

**\*\* 17:30 Close of conference & networking drinks reception \*\***

## **DAY 2 – December 8**

**09:00 Chair's opening address**

### **Morning Plenary – Strategies for Full-Fibre Expansion**

**09:05 Government Address**

**09:15 Keynote presentation**

Achieving the dream of universal gigabit access with full fibre rollout

*Thorsten Dirks, Chief Executive Officer, Deutsche Glasfaser*

**09:25 Keynote presentation**

Collaborating beyond the telecoms ecosystem to deliver fibre for all

**09:35 Keynote presentation**

Expanding gigabit connectivity through strategic innovation

**09:45 CxO PANEL: Building the full-fibre future: strategies for delivering next-gen networks**

- Incumbents, altnets and Stadtwerke – understanding Germany's unique broadband ecosystem
- Investment and regulation – what needs to change?
- Navigating obstacles to build out networks at pace

Thorsten Dirks, Chief Executive Officer, Deutsche Glasfaser

### 10:25 Networking Refreshments

GIGABIT GERMANY	INDUSTRY 4.0	DIGITAL SOCIETY
<p><b>10:55 Chair's opening address</b></p>	<p><b>10:55 Chair's opening address</b></p>	<p><b>10:55 Chair's opening address</b></p>
<p><b>11:00 5G in Germany: building next-generation networks</b></p> <ul style="list-style-type: none"> <li>- Ramping up investment: how can operators ensure a return on capex?</li> <li>- Delivering at pace: how can operators build and scale networks rapidly?</li> <li>- Integrating networks: how can 5G enhance existing 4G networks?</li> <li>- Consumer buy in: encouraging customers to sign up to 5G</li> </ul> <p><i>Martin Bouchard, Chief Operating Officer, Deutsche Funkturm</i></p>	<p><b>11:00 Advanced technologies powering Industry 4.0</b></p> <ul style="list-style-type: none"> <li>- How has 5G enabled advanced tech within industry?               <ul style="list-style-type: none"> <li>- AR/VR: the future of maintenance?</li> </ul> </li> <li>- Cloud, IoT, AI: building agile industry infrastructure</li> <li>- Flattening the maturity curve: how can industry integrate technologies at different stages of development?</li> </ul> <p><i>Mirko Paschke, Head of WG Deployment Networks, BMVI</i></p>	<p><b>11:00 Creating and implementing digital strategies</b></p> <ul style="list-style-type: none"> <li>- Establishing a framework that anchors digital transformation in society</li> <li>- Digital citizens: ensuring digital skills for all</li> <li>- From healthcare to infrastructure: delivering technological innovation for all parts of society</li> <li>- Utilising digital technology to deliver seamless public services</li> </ul>
<p><b>11:40 Gold sponsor presentation</b></p>	<p><b>11:40 Gold sponsor presentation</b></p>	<p><i>Reserved for DE-CIX</i></p>
<p><b>12:00 5G R&amp;D &amp; test beds</b></p> <ul style="list-style-type: none"> <li>- Innovation use studies</li> <li>- Industry case studies</li> <li>- Ease of access for 5G R&amp;D</li> <li>- Future developments: where next for 5G R&amp;D?</li> </ul>	<p><b>12:00 Collaborative ecosystems and partnerships for Industry 4.0</b></p> <ul style="list-style-type: none"> <li>- How can incumbents, altnets and enterprises better collaborate for mutual gain?</li> <li>- What does a collaborative ecosystem look like in practice?</li> <li>- Joint ventures: a new model for partnerships?</li> </ul> <p><i>Angela Maragopoulou, CIO B2B/SVP Business Solutions, Deutsche Telekom</i></p>	<p><b>12:00 Digital Workplace: a model for the future?</b></p> <ul style="list-style-type: none"> <li>- Lessons learnt from the pandemic: how can organisations best support remote working?</li> <li>- How will 5G and fibre enhance digital workplaces?</li> <li>- New models of working: are hybrid models of work likely to become more dominant?</li> </ul>

## 12:45 Lunch & Networking

GIGABIT GERMANY	INDUSTRY 4.0	DIGITAL SOCIETY
<p><b>14:00 Commercialising 5G – capitalising on the B2B opportunities</b></p> <ul style="list-style-type: none"> <li>- Making a commercial user case</li> <li>- What new ecosystem opportunities does 5G offer?</li> <li>- Will 5G deepen collaboration between operators and other industries?</li> <li>- How will 5G change market dynamics?</li> <li>- Monetising increased data streams</li> </ul> <p><i><b>Stephan Drescher, Managing Director, EnviaTel</b></i></p> <p><i><b>Kertin Larsson-Knetsch, Director of Customer Solutions, Vodafone Business</b></i></p>	<p><b>14:00 V2X and Connected Car</b></p> <ul style="list-style-type: none"> <li>- Developing a network architecture for V2X and the connected mobility ecosystem</li> <li>- Monetising connectivity: what opportunities are there?</li> <li>- 5G and a fully mobile ecosystem: the future of mobility?</li> </ul>	<p><b>14:00 Addressing the challenge of urban “not-spots”</b></p> <ul style="list-style-type: none"> <li>- Where should operators prioritise resources to ensure full coverage for urban areas?</li> <li>- Embracing 5G, enhancing 4G: how can existing and new infrastructure deliver full urban connectivity?</li> </ul>
<p><b>14:40 Assessing the 5G investment landscape</b></p> <ul style="list-style-type: none"> <li>- How is 5G investment set to evolve in Germany?</li> <li>- An investment perspective: can 5G be self-sufficient?</li> <li>- Joint ventures: what opportunities are there for market entrants?</li> <li>- Partnerships: where can collaboration deliver the most ROI for operators?</li> </ul>	<p><b>14:40 Connected Mobility: smart transport &amp; logistics</b></p> <ul style="list-style-type: none"> <li>- Smart ports/harbours</li> <li>- Building digital transport infrastructure</li> <li>- Coordinating smart public &amp; private transport</li> <li>- Automation and augmentation: what will Germany’s transit systems look like in 2025?</li> </ul>	<p><b>14:40 Supporting start-ups as drivers of digital transformation</b></p> <ul style="list-style-type: none"> <li>- Understanding Germany’s digital start-up ecosystem</li> <li>- Making a success of collaboration</li> <li>- How are partnerships and ecosystems set to evolve within the digital start-up space?</li> </ul> <p><i><b>Norbert Hermann, Head of Startup Affairs, Berlin Senate Department of Economics, Energy &amp; Public Enterprises</b></i></p>

## 15:20 Chair’s Closing Remarks

*15:30 Close Of Conference*