

# SESSIONS

DAY 1 - WEDNESDAY 11TH NOVEMBER - 11/11/2020

Private Networks in a 5G World

11-12 November 2020

Virtual Event

9.00am GMT

## Breakfast Briefing | The State of the Private Network Industry

09:00 - 09:45

Keynotes

- Introducing private networks: what is the state of the industry?
- Private network models: from pricing to deployment what are the opportunities?
- From single-site to multi-site, multinational private networks: designing the right network
- Why go private? Meeting enterprise network security needs

### Participants

**Pablo Tomasi** - Principal Analyst Private Networks, Omdia

## Chair's Opening Remarks

09:45 - 09:50

Keynotes

### Participants

**Pablo Tomasi** - Principal Analyst Private Networks, Omdia

## Private Networks in Manufacturing Interview | Ford's Experiences with Private Networks

09:50 - 10:10

Keynotes

In this session Tony Sceales will interview Chris White from Ford to deep-dive into Ford's private network journey

### Participants

**Interviewer: Tony Sceales** - Programme Development Lead, 5G Testbeds and Trials Programme.

**Interviewee: Chris White** - Electrification Manager - Europe, Ford

## Private Networks in Manufacturing Interview | Private 5G Innovation at Lufthansa Technik

10:10 - 10:30

Keynotes

### Participants

**Interviewer: Pablo Tomasi** - Principal Analyst Private Networks, Omdia

**Interviewee: Maik Voigt** - IT Project Manager, Lufthansa Technik

**Interviewee: Claudius Noack** - IT Consultant, Lufthansa Industry Solutions

## Panel Discussion | Making the Business Case for Private Networks

10:30 - 11:05

Keynotes

- Private network use cases: tools needed to transform connectivity and build your network
- Understanding the economics: the value and viability of private networks
- ROI's: what are the measurable benefits of private networks on opex, productivity and security

### Participants

**Moderator: Camille Mendler** - Chief Analyst, Omdia

**Panellist: Doug McCollough** - Chief Information Officer, City of Dublin, Ohio

**Panellist: Dror Fixler** - CEO & Co-founder, FirstPoint Mobile Guard

## Speaker Q&A |

11:05 - 11:15

Keynotes

In this session, our speakers will join live to answer your questions and discuss the hottest topics in the private networks sphere!

### Participants

**Moderator: Camille Mendler** - Chief Analyst, Omdia

**Speaker: Tony Sceales** - Programme Development Lead, 5G Testbeds and Trials Programme.

**Speaker: Chris White** - Electrification Manager - Europe, Ford

## Networking Break and Exhibition Visit

11:15 - 11:45

Keynotes

## Roundtable 1 | Private Networks and Manufacturing

11:15 - 12:15

Roundtables

This roundtable will examine the opportunity of private networks for manufacturing, looking at how IoT and connectivity go hand-in-hand in the 4th Industrial revolution.

### Participants

**Moderator: Ali Syed Mohsin** - Senior Analyst, Manufacturing Technology, Omdia

## Energy and Utilities Use Case | Resilience and Risk Governance for Operations

11:45 - 12:05

Keynotes

- Private network fundamentals: why private networks present the most secure offering for critical infrastructure
- Developing the hybrid mode: combining the public-private offering to deliver secure and structured connectivity routes
- From pilots to reality: is the market ready to deliver on the promise of the private network opportunity

### Participants

**Sergio Ramos Pinto** - Deputy Director of Digital Platform Division, EDP Distribuição

## Mind the Gaps! Why Performance Visibility is Critical for Private 5G and Campus Networks

12:05 - 12:25

Keynotes

- The opportunities for organizations to take advantage of 5G, but the additional IT management complexities that brings
- Putting delay into perspective with a global food manufacturer case study
- The importance of digital experience and security visibility across these performance-sensitive environments
- Bridging the gap between telco NetOps and enterprises moving at 5G speed with cloud-native performance monitoring

### Participants

**Richard Piasentin** - Chief Marketing & Chief Strategy Officer, Accedian

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## Panel Discussion | Deployment Models and Technology Challenges: Installing a Private Network

12:25 - 13:00

Keynotes

- What works best? DIY, telco-led and hybrid models for private network connectivity
- From 4G to 5G: being ready for next-generation technologies
- Ensuring network security: which models offer the highest levels of security?

### Participants

**Moderator: Pablo Tomasi** - Principal Analyst Private Networks, Omdia

**Panelist: Khalid Aziz** - SVP Head of Global Ventures, Signify

**Panelist: Lingjian Li** - Smart Infrastructure Lead, Oxfordshire County Council

**Panelist: Ross Hockey** - SVP: Global Alliances and New Verticals, Infovista

**Panelist: Shubh Agarwal** - SVP 5G, Metaswitch, a Microsoft Company

### Speaker Q&A |

13:00 - 13:10

Keynotes

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### Participants

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**Shubh Agarwal** - SVP 5G, Metaswitch, a Microsoft Company

### Networking Break and Exhibition Visit

13:10 - 13:40

Keynotes

## Roundtable 2 | Reliable, secure and configurable – what do enterprise customer look forward to

13:10 - 14:10

Roundtables

### Participants

**Simon Fletcher** - CTO, Real Wireless

## Enterprise Panel Discussion | Primed for Connectivity: The Industries Investigating the Private Network Opportunity

13:40 - 14:10

Keynotes

In this session we explore the verticals most primed to benefit from private networks and discuss opportunities and challenges for the adoption and application, including the impact from COVID19.

- Identifying the most exciting opportunities: which verticals are primed for private networks and how Covid19 has shaped this?
- Managing expectations: when are private networks really relevant for enterprise?
- Imagining the next decade: how will private networks have transformed industries?

### Participants

**Mode: Niko Louvranos** - 5G Commercial and Product Lead, Digital Catapult

**Panelist: Teppo Rantanen** - Executive Director, City of Tampere

**Panelist: Debbie Bandara** - Artistic Director, Forest Tribe

**Panelist: Matt Stagg** - Director of Mobile Strategy, BT Sports

**Panelist: Tom Footitt** - Vice President of Product Management, Accedian

## Cellular 2.0: A million private networks

14:10 - 14:35

Keynotes

The first 40 years of the cellular industry, Cellular 1.0, has seen centralized national-scale networks providing largely undifferentiated voice and data services to a national-scale audience. Cellular 1.0 reached a trillion dollars of industry revenue in 2011 and has flat-lined ever since, no matter what numeral is added before the "G". Instead, the next trillion dollars of cellular industry revenues, Cellular 2.0, will come from millions of localized cellular networks connecting minds, machines and things – beginning with private 5G & LTE networks. As the center of gravity of the cellular industry shifts from public networks to private networks, how can you storm the market when your competition is still in the gates? From use-cases to end-to-end solutions, learn from Athonet, which deployed the world's first Private LTE Network in 2011 and today is the leading provider of professional-grade core networks for private cellular with 500K private SIMs on its platform.

### Participants

**Nanda Menon** - Director for Strategic Sales and Corporate Development, Athonet

### Speaker Q&A |

14:35 - 14:50

Keynotes

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### Networking Break and Exhibition Visit

14:50 - 15:15

Keynotes

## Topic-Led Speed Networking

14:50 - 15:50

Topic-Led Speed Networking

This will be a topic-led session and give you an opportunity to network with a multitude of other attendees at the show and discuss various topics in short, mini roundtable-like settings!

- Deployment models for private networks
- Private Networks and IoT
- Industries suited to the private network opportunity
- Making spectrum available for private networks: challenges and opportunities
- From automation and the cloud: technologies to support the private network opportunity
- Private-LTE and Private-5G: where are the opportunities

## Port Case Study | The Private Network Opportunity in Ports

15:15 - 15:25

Keynotes

- Roles and responsibilities: who runs the network post deployment?
- Maintaining a private network: network management, diagnostics and upgrades
- Upskilling the workforce: preparing for private networks

### Participants

**Mira Juola** - Project Lead: Port Oulu Smarter Digitalization, Port of Oulu

## Edge Connectivity

15:25 - 15:45

Keynotes

- Boosting safety, operational efficiency and revenue through connectivity; cases from mining, ports, and oil & gas
- The right questions to ask when assessing the optimal connectivity solution for your enterprise
- The real benefits of Private 5G Network

### Participants

**Mikko Uusitalo** - CEO, EDZCOM

## Transport Case Study | From the Plane to the Airport: Redefining Connectivity

15:45 - 15:55

Keynotes

- Designing private network infrastructure to meet enterprise needs
- Security, security, security: network design for critical activities
- Modernizing connectivity to support real-time low latency and high-bandwidth communications

### Participants

**Christian Regnier** - Enterprise Technical Architect - Critical LTE / 5G / IOT, AirFrance

## Intracity Case Study | Private Networks to Transform Intracity Transport

15:55 - 16:05

Keynotes

- Operating a private network for a cross-city transport system
- Upgrading operations and maintenance processes: what are the advantages of private networks?
- Customer connectivity: how private networks will transform the customer journey

### Participants

**Rick Phung** - Principal Consultant, Toyota

## Speaker Q&A and Roundtable 3 | Private Networks in Transport

16:05 - 17:05

Roundtables

In this hour-long session our speakers will answer your questions, and then we will launch into a discussion on the opportunities and challenges for private networks in the transport industry.

### Participants

**Moderator: Andrew Grant** - Intelligent Mobility Analyst, Bloomberg NEF

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09:00	<p><b>09:00</b> - Breakfast Briefing   The State of the Private Network Industry</p> <p><b>09:45</b> - Chair's Opening Remarks</p> <p><b>09:50</b> - Private Networks in Manufacturing Interview   Ford's Experiences with Private Networks</p>		
10:00	<p><b>10:10</b> - Private Networks in Manufacturing Interview   Private 5G Innovation at Lufthansa Technik</p> <p><b>10:30</b> - Panel Discussion   Making the Business Case for Private Networks</p>		
11:00	<p><b>11:05</b> - Speaker Q&amp;A  </p> <p><b>11:15</b> - Networking Break and Exhibition Visit</p> <p><b>11:45</b> - Energy and Utilities Use Case   Resilience and Risk Governance for Operations</p>	<p><b>11:15</b> - Roundtable 1   Private Networks and Manufacturing</p>	
12:00	<p><b>12:05</b> - Mind the Gaps! Why Performance Visibility is Critical for Private 5G and Campus Networks</p> <p><b>12:25</b> - Panel Discussion   Deployment Models and Technology Challenges: Installing a Private Network</p>		
13:00	<p><b>13:00</b> - Speaker Q&amp;A  </p> <p><b>13:10</b> - Networking Break and Exhibition Visit</p> <p><b>13:40</b> - Enterprise Panel Discussion   Primed for Connectivity: The Industries Investigating the Private Network Opportunity</p>	<p><b>13:10</b> - Roundtable 2   Reliable, secure and configurable – what do enterprise customer look forward to</p>	
14:00	<p><b>14:10</b> - Cellular 2.0: A million private networks</p> <p><b>14:35</b> - Speaker Q&amp;A  </p> <p><b>14:50</b> - Networking Break and Exhibition Visit</p>		<p><b>14:50</b> - Topic-Led Speed Networking</p>
15:00	<p><b>15:15</b> - Port Case Study   The Private Network Opportunity in Ports</p> <p><b>15:25</b> - Edge Connectivity</p> <p><b>15:45</b> - Transport Case Study   From the Plane to the Airport: Redefining Connectivity</p> <p><b>15:55</b> - Intracity Case Study   Private Networks to Transform Intracity Transport</p>		
16:00		<p><b>16:05</b> - Speaker Q&amp;A and Roundtable 3   Private Networks in Transport</p>	

# SESSIONS

DAY 2 - THURSDAY 12TH NOVEMBER - 12/11/2020

Private Networks in a 5G World

11-12 November 2020

Virtual Event  
9.00am GMT

## Regulator Address | Creating an EU regulatory framework for 5G and private networks

10:00 - 10:10

Keynotes

- Sweden's progress and experiences with 5G and private network regulation
- Understanding BEREC's role in supporting EU regulators and developing the framework that will define the future of private networks

### Participants

**Dan Sjöblom** - Director-General, Swedish Post & Telecom Agency (PTS) and Chair, BEREC

## Regulator Address | Traficom and Spectrum Needs for Verticals in Finland

10:10 - 10:20

Keynotes

- Supporting innovation and boosting the economy: the role of spectrum for enterprise
- Understanding impacts; what progress has been made for private spectrum?
- Encouraging adoption: understanding enterprise network needs

### Participants

**Heidi Himmanen** - Chief Advisor, Finnish Transport and Communications Agency Traficom

## Regulator Address | Ofcom and Local Licensing in the UK

10:20 - 10:30

Keynotes

- Supporting innovation and boosting the economy: the role of spectrum for enterprise
- Understanding impacts; what progress has been made for private spectrum?
- Encouraging adoption: understanding enterprise network needs

### Participants

**Cristina Data** - Director of Spectrum Insight and Analysis, Ofcom

## Regulator Address | Bundesnetzagentur and the Private Spectrum Experience in Germany

10:30 - 10:40

Keynotes

- Founding disruptive change: individual solutions versus public mobile networks
- Driving efficiency: how private spectrum can boost services
- Supporting Germany's manufacturing industry: how private networks can continue to boost services

### Participants

**Josch Luxa** - Engineer, Bundesnetzagentur

## Networking Break and Exhibition Visit

10:40 - 11:15

Keynotes

## Speaker Q&A and Roundtable 4 | Spectrum for Enterprise

10:40 - 11:40

Roundtables

In this hour-long session our speakers will answer your questions, and then we will launch into a discussion on the opportunities and challenges for spectrum for enterprise.

### Participants

**Dean Bublely** - Director, Disruptive Analysis Ltd.

## Understanding and Overcoming the Design Challenges of Private 5G Networks

11:15 - 11:30

Keynotes

- Functional architecture of private deployments.
- The role of network slicing for private 5G networks.
- Integration of private 5G and time-sensitive networking (TSN).

### Participants

**Adnan Aijaz** - Principal Researcher, Bristol Research & Innovation Laboratory of Toshiba Corporation

## Defining the Factory of the Future – Private 5G, AI and Investigating Use Cases

11:30 - 11:45

Keynotes

### Participants

**Robert Cohen** - Senior Fellow, Economic Strategy Institute

## Panel Discussion | Private Networks and Next-Generation Technologies Opportunities

11:45 - 12:20

Keynotes

- Working with the wider ecosystem: what functionalities do enterprises want beyond the network?
- Building an offering: cloud services, edge computing and automation
- Private networks and the edge: enabling real-time immersive experiences in the network
- Collaboration with partners: challenges to deliver a full-service offering

### Participants

**Moderator: Pablo Tomasi** - Principal Analyst Private Networks, Omdia

**Panellist: Anthony Karydis** - Founder & CEO, Mativision

**Panellist: Ronan Le Bras** - Head of IoT & Wireless Networks, Specialised Radio Networks, Orange

## Speaker Q&A |

12:20 - 12:35

Keynotes

In this session, our speakers will join live to answer your questions and discuss the hottest topics in the private networks sphere!

### Participants

**Moderator: Pablo Tomasi** - Principal Analyst Private Networks, Omdia

**Anthony Karydis** - Founder & CEO, Mativision

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**Adnan Aijaz** - Principal Researcher, Bristol Research & Innovation Laboratory of Toshiba Corporation

## Networking Break and Exhibition Visit

12:35 - 13:10

Keynotes

## Roundtable 5 | Connected Communities: Driving Regional Prosperity

12:35 - 13:35

Roundtables

### Participants

**Jessica Ellis** - Head of Urban Connected Communities, 5G Tests and Trials - DCMS

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## Rural Case Study | The Neutral Host Model for Private Networks

13:10 - 13:30

Keynotes

- What are the opportunities for neutral hosts within private networks?
- Meeting connectivity needs: neutral hosts as a rural solution
- Creating business models: what is the neutral host opportunity?
- Entering the ecosystem: building successful partnerships with service providers

### Participants

**Greig Paul** - Lead Mobile Networks & Security Engineer, 5G Rural Dorset

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## Entertainment Case Study | Developing Next-Generation Content with Private Networks

13:30 - 13:50

Keynotes

### Participants

**Simon Thompson** - Head of Enterprise Partnerships, RYOT Studio, part of Verizon Media

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## Panel Discussion | Private Network Coexistence with MNOs: Challenges, Technical Innovations and Business Opportunities

13:50 - 14:35

Keynotes

### Participants

**Moderator: Mir Ghorraishi** - Project Manager, 5G-CLARITY

**Panellist: Daniel Camps Mur** - Mobile and Wireless Internet Group Lead, i2CAT

**Panellist: Alain Mourad** - Director: Engineering R&D, Interdigital UK

**Panellist: Luis Miguel Contreras Murillo** - Technology Expert, Transport & IP, CTIO, Telefónica Spain

**Panellist: Andreas Mueller** - Head of Communication and Network Technology, BOSCH

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## Speaker Q&A |

14:35 - 14:50

Keynotes

In this session, our speakers will join live to answer your questions and discuss the hottest topics in the private networks sphere!

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## Networking Break and Exhibition Visit

14:50 - 15:20

Keynotes

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## Interactive Panel Discussion | Private Networks in Health and Social Care

15:20 - 16:20

Keynotes

In this session our speakers will discuss the potential for private networks to transform health and social care. Speakers will share insights on their projects from the UK, Iceland and Peru and then open-up to the floor for delegates to share their experiences and ask questions.

### Participants

**Moderator: Charles Lowe** - Managing Director, Digital Health Care Alliance

**Panellist: Joe Spencer** - Professor and Academic Lead for Sensor City, University of Liverpool

**Panellist: Ann Williams** - Commissioning and Contract Manager of Adult Social Services, Liverpool City Council

**Panellist: Tim Meyer** - Founder, Connect5

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11:00	<p>11:15 - Understanding and Overcoming the Design Challenges of Private 5G Networks</p> <p>11:30 - Defining the Factory of the Future – Private 5G, AI and Investigating Use Cases</p> <p>11:45 - Panel Discussion   Private Networks and Next-Generation Technologies Opportunities</p>	
12:00	<p>12:20 - Speaker Q&amp;A  </p> <p>12:35 - Networking Break and Exhibition Visit</p>	12:35 - Roundtable 5   Connected Communities: Driving Regional Prosperity
13:00	<p>13:10 - Rural Case Study  The Neutral Host Model for Private Networks</p> <p>13:30 - Entertainment Case Study   Developing Next-Generation Content with Private Networks</p> <p>13:50 - Panel Discussion   Private Network Coexistence with MNOs: Challenges, Technical Innovations and Business Opportunities</p>	
14:00	<p>14:35 - Speaker Q&amp;A  </p> <p>14:50 - Networking Break and Exhibition Visit</p>	
15:00	<p>15:20 - Interactive Panel Discussion   Private Networks in Health and Social Care</p>	