HANNOVER MESSE

5GACIA

31 MARCH – 4 APRIL 2025

ENERGIZING A SUSTAINABLE INDUSTRY

WORLD. LEADING. INDUSTRYSHOW.

Invitation

Hannover Messe 2025

Experience the transformative power of Industrial 5G

5G Alliance for Connected Industries and Automation

**VISIT US:
Hall 14,
Stand
H06,(33)**

31 MARCH – 4 APRIL 2025

Hannover Messe 2025

HANNOVER MESSE
is the most important international platform and hot spot for industrial transformation - with excellent innovations or unusual products. At the world's leading industrial trade fair, companies from the mechanical engineering, electrical engineering and digital industries as well as the energy sector will come together to present solutions for a high-performance, but also sustainable industry. More than 4,000 companies will be acting as an interconnected industrial ecosystem and demonstrating how climate neutrality can be achieved through electrification, digitization and automation.

Industry 4.0 is the future of manufacturing,
with smart factories linked to the Industrial Internet of Things (IIoT). But an appropriate communication framework and comprehensive connectivity are also essential ingredients for achieving flexible, autonomous, and efficient production plants and intra-logistics (the organization, implementation, and optimization of material flows). The Industrial 5G standard opens up major new opportunities for achieving flexible, scalable connectivity that can be precisely tailored to the specific needs of industry.

At HANNOVER MESSE 2025, 5G-ACIA and its partners
will team up to present the "5G and Industrial Wireless Arena" (5G Arena for short) as a practical illustration of how it all works. It will feature the participation of companies and organizations of the Industrial 5G ecosystem within the scope of a comprehensive five-day on-stage program and forum. As a special addition at this year's 5G Arena, 5G-ACIA will present its unique Demo Wall, showcasing various devices and solutions built for Industrial 5G.

www.hannovermesse.de >>

Venue

Fairgrounds
D-30521 Hannover
Germany
Open in Google Maps >>

Dates
March 31 – April 4, 2025

Hours
Daily from 09:00 – 18:00 (CEST)

Tickets

5G-ACIA invites you to Hannover Messe!

Take advantage of this unique opportunity to meet experts from around the world and learn all about Industrial 5G and its potential for taking your business to the next level.

You'll find us in Hall 14 (booth H06/33) at the "5G and Industrial Wireless Arena".

Tickets & Exhibitor Passes >>

Hannover Messe 2025

Exhibition Halls

HANNOVER MESSE

HALLEN 4–9, 11
SMART MANUFACTURING
Antriebs- & Fluidtechnik
Automation & Sensortechnik
Robotik & Logistik-Automation

HALLEN 14–17
DIGITAL ECOSYSTEMS
Business Management Software
Digitale Plattformen, Data & Cloud
Engineering Software
IT/OT Sicherheit
Wireless Technologie & 5G

HALLEN 11, 13
ENERGY FOR INDUSTRY
Energietechnik
Energy 4.0
Wasserstoff & Brennstoffzellen

HALLE 12
**COMPRESSED
AIR & VACUUM**

HALLE 3
**ENGINEERED PARTS
& SOLUTIONS**
Kunststoffe & Innovative Materialien
Leichtbau
Metallelemente, Bauteile & Lösungen
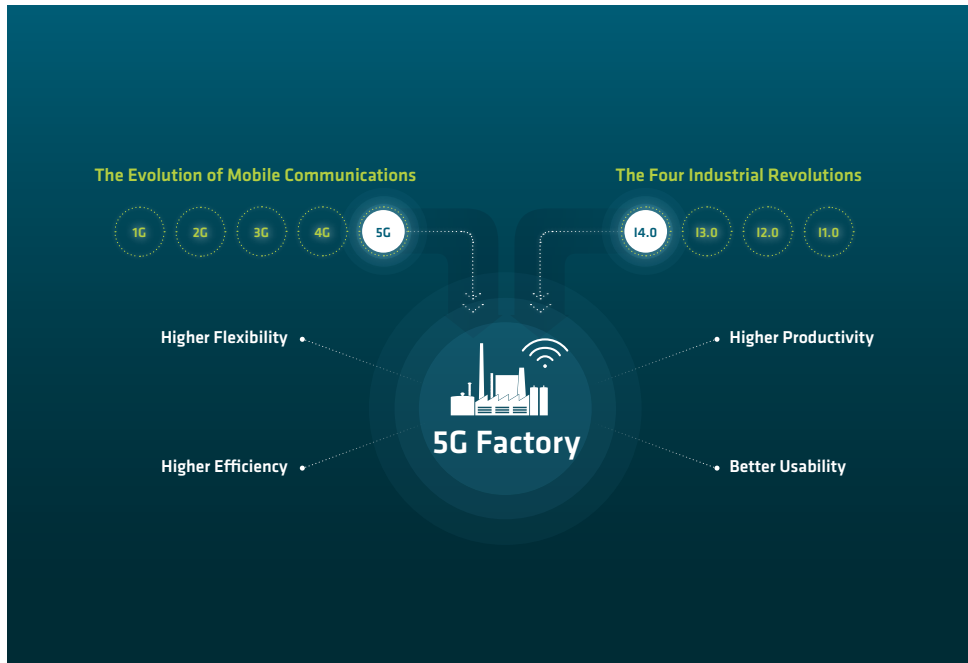
HALLE 12
**INTERNATIONAL TRADE
& INVESTMENT**

HALLE 2
FUTURE HUB
Forschung & Technologietransfer
Quantentechnologien
Startup Area

Entrance North

Entrance South

5GACIA

Hall 14 - Booth H06/33
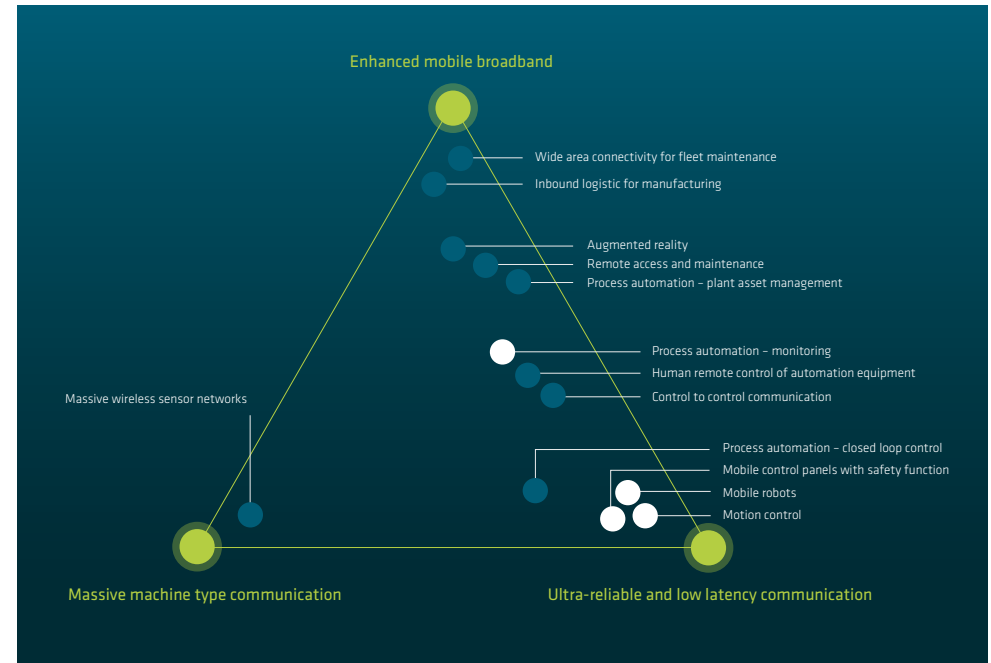
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Making Industrial 5G Happen

5G-ACIA is the number one global forum for shaping 5G in the industrial domain.
It's the leading platform for companies and organizations spanning a variety of industries worldwide to create a new ICT and OT ecosystem and forge the framework of a highly attractive new market. To learn more about the emerging market for Industrial 5G, visit our booth.

The Evolution of Mobile Communications

1G 2G 3G 4G 5G

The Four Industrial Revolutions

I4.0 I3.0 I2.0 I1.0

Higher Flexibility

Higher Efficiency

5G Factory

Higher Productivity

Better Usability

Enhanced mobile broadband

Wide area connectivity for fleet maintenance

Inbound logistic for manufacturing

Augmented reality

Remote access and maintenance

Process automation – plant asset management

Process automation – monitoring

Human remote control of automation equipment

Control to control communication

Massive wireless sensor networks

Process automation – closed loop control

Mobile control panels with safety function

Mobile robots

Motion control

Massive machine type communication

Ultra-reliable and low latency communication

Designing 5G for Industrial Use

One of the main ways in which 5G differs from previous generations of cellular networks is its strong focus on machine-type communication and the Internet of Things (IoT). This paves the way for the next era in industrial production, dubbed „Industry 4.0", which aims to significantly improve the flexibility, versatility, usability, and efficiency of future smart factories and industrial plants.

A Key Enabler of Industrial 5G

The rationale for developing 5G was not only to expand the broadband capabilities of mobile networks, but also to provide advanced wireless connectivity for a wide variety of vertically integrated industries.
To achieve this, 5G supports three essential types of communication: enhanced mobile broadband (eMBB), massive machine-type communication (mMTC), and ultra-reliable low-latency communication (URLLC).

5GACIA

The latest state of the Industrial 5G ecosystem

Demo Wall

Experience the world of Industrial 5G with the 5G-ACIA Demo Wall 2.0, which once again shows the latest state of the Industrial 5G ecosystem.

The Demo Wall 2.0 showcases the devices that help make Industrial 5G a reality. Find out about industrial 5G routers, modules and dongles, fieldbus communication over 5G, safety over 5G, industrial 5G radio access networks and core networks as well as many more 5G devices that are on display. Don't miss out on this opportunity and get in touch with the experts at the 5G-ACIA booth.

Digital Twin

You will not be able to attend Hannover Messe and see the Demo Wall in person? Have a look at its digital twin via the following link to the 5G-ACIA website or the QR-Codes.

5G-ACIA Demo Wall >>

Industrial 5G Routers

Industrial 5G Routers/Modules/Dongles

Fieldbus Communication over 5G

Safety over 5G

5G Devices

Industrial 5G Radio Access Networks

Industrial 5G Core Networks

The latest state of the Industrial 5G ecosystem

Testbeds

Live demo of 5G-ACIA Endorsed Testbeds demonstrating the latest development in 5G for industrial applications.

Shaping 5G in the industrial domain, 5G-ACIA is pursuing the strategic goal of evaluating and validating key 5G capabilities for industrial applications in realistic scenarios.

TESTBED

Industry 4.0 5G Positioning and Communication

The testbed is an essential tool for companies looking to test their innovative 5G applications and developments. It enables practical testing across various platforms. With its mobile variants, customers can directly test 5G in their applications—whether on the shop floor, in the logistics hall, or at the port. This offers a significant advantage and a unique selling proposition.

TESTBED

5G End-to-End System for TSN Communication

Wireless Time Sensitive Networking (TSN) system will be developed and validated to support Industrial Automation.
This testbed facilitates the cooperation between a variety of partners to integrate the suitable system and validate the interoperability of the 5G-TSN building blocks. The partners have joined their technical capabilities and expertise to show the OT-IT the feasibility of product-grade TSN solutions that adequately support relevant use cases and industrial application protocols like OPC UAFX – Field Exchange.
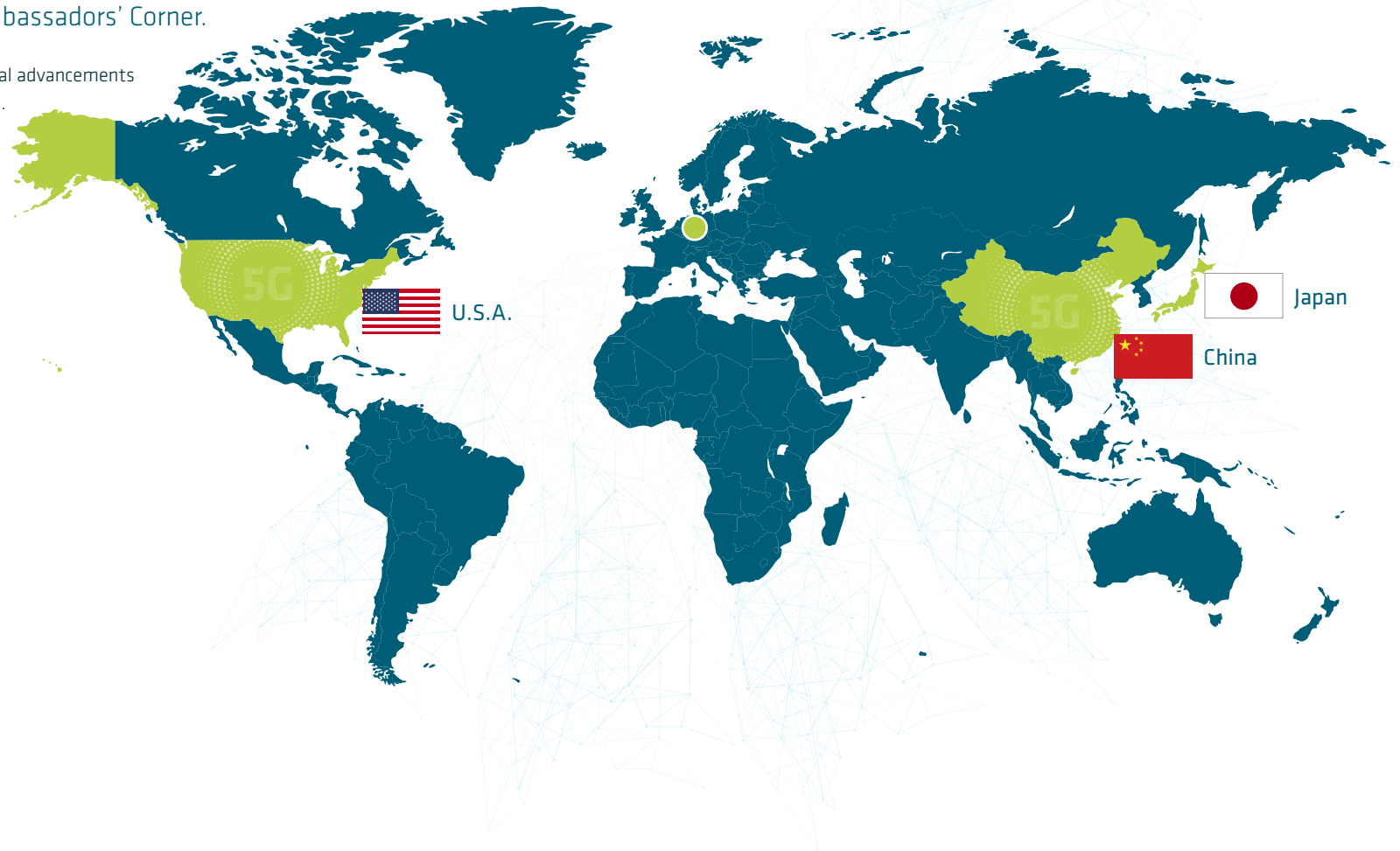
The latest state of the Industrial 5G ecosystem

Ambassador Corner

We are introducing the 5G-ACIA Ambassadors' Corner.

Get first-hand insights into the latest technological advancements and market trends from Japan, the USA, and China. Our experts will be there to share exclusive updates and answer your questions.

U.S.A.

Japan

China

5GACIA

5G-ACIA Members at Hannover Messe 2025

Exhibition

The following 5G-ACIA members will be present and showcase their contributions and innovations at Hannover Messe 2025.

5G & Industrial Wireless Arena (Hall 14)

5G-ACIA Members in the Arena

The following 5G-ACIA members will be in the arena and contribute interesting points of view.

The "5G & Industrial Wireless Arena" is the largest event of its kind in Europe and a central innovation hub for industrial wireless communication.

At HANNOVER MESSE 2025, it presents the latest developments in 5G and wireless technology. With many exhibitors, an informative stage program and a strong partner network, it offers suppliers and users the ideal platform for networking, new partnerships and forward-looking business models.

5G & Industrial Wireless Arena (Hall 14)

5G-ACIA Members on Stage

Monday, 31 March, 2025

Capgemini engineering	11:20 – 11:40 (CEST)	*Lecture*	**Demystifying connectivity requirements for Industrial applications**	William Wedge	Capgemini
ERICSSON	11:45 - 12:30 (CEST)	*Panel Discussion*	**Everything in the factory is smart and autonomous now - That's why 5G is critical**	Alan Minney	Ericsson John Tomik	Slalom Jan Diekmann	Ericsson Sudhanshu Gaur	Hitachi Peter King	InDro Robotics
5GACIA	13:35 – 14:05 (CEST)	*Lecture*	**Industrial 5G - State of the Union**	Dr. Andreas Mueller	Bosch Dr. Afif Osseiran	Ericsson
NOKIA	14:35 – 14:55 (CEST)	*Lecture*	**Achieving Net Zero: How Digitalization Fuels Both Efficiency and Sustainability**	Carlijn Williams	Nokia
SIEMENS	14:55 – 15:15 (CEST)	*Lecture*	**Cybersecurity in public and private 5G networks in industry**	Daniel Mai	Siemens AG
PHŒNIX CONTACT	15:35 – 16:05 (CEST)	*Lecture*	**A solid solution - WiFi6 on moving applications**	Jörn Dauer	Phoenix Contact

5G & Industrial Wireless Arena (Hall 14)

5G-ACIA Members on Stage

Tuesday, 01 April, 2025

Fraunhofer IIS	10:20 - 10:40 (CEST)	*Best Practice*	**Journey towards application of 5G positioning - milestones and challenges**	Jochen Seitz | Fraunhofer IIS
5GACIA	10:45 - 11:45 (CEST)	*Panel Discussion*	**Market adoption of Industrial 5G:** **Where are we on the way of Industrial 5G deployments?**	Moderation: Dr. Afif Osseiran | Ericsson Dr. Andreas Mueller | Bosch Takehiro Nakamura | NTT DOCOMO Robert Juliano | Verizon Juha Mirsch | ABB Jaroslav Mracek | T-Mobile
NOKIA	11:50 - 12:10 (CEST)	*Best Practice*	**How digitalization innovation connects and protects workers**	Tom Richter | Nokia
AILINK	13:15 - 13:35 (CEST)	*Best Practice*	**Insights and Practices in Building SNPN-based Industrial 5G**	Dr. Yifan Yu | AILINK
5GACIA	14:40 - 15:00 (CEST)	*Lecture*	**DetNet-based deterministic IP communication** **over 5G for Industrial applications**	Marilet De Andrade Jardim | Ericsson
5GACIA	16:05 - 16:25 (CEST)	*Lecture*	**Use Cases of Integrated Sensing and Communication (ISAC)** **for Industries and Automation**	Dr.-Ing. Hanwen Cao | Huawei

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5G & Industrial Wireless Arena (Hall 14)

5G-ACIA Members on Stage

Wednesday, 02 April, 2025

ERICSSON	11:50 - 12:10 (CEST)	*Best Practice*	**Unlocking the power of manufacturing operations OT data using 5G - A case study**	Duncan Hawkins | Ericsson Usama Zahid | Litmus Stephen Mason | Jaguar Land Rover
ANALOG DEVICES	12:10 - 12:30 (CEST)	*Best Practice*	**Unlocking Sustainable Industry 4.0: Practical Collaboration for Scalable 5G**	Micheál Lambe | Analog Devices
5GACIA	13:35 - 14:35 (CEST)	*Panel Discussion*	**Industrial 5G Ecosystem - Best Practice of 5G-ACIA**	Moderation: Niels König | Fraunhofer IPT Christian Bauer | Belden Cole Saunders | ifak Yang Liu | AILINK
Fraunhofer IPT	14:40 - 15:00 (CEST)	*Lecture*	**5G and AI: Training Environments for automated mobile robics**	André Gilerson | Fraunhofer IPT
PHŒNIX CONTACT	15:00 - 15:20 (CEST)	*Lecture*	**How do you implement simple and secure wireless networks?**	Jörg Brasas | Phoenix Contact Jürgen Weczerek | Phoenix Contact
ERICSSON	16:30 - 17:10 (CEST)	*Panel Discussion*	**Why private 5G networks are essential for realizing AI in manufacturing environments**	Regina Andersson | Ericsson Jan Diekmann | Ericsson Stephan Schwarz | Capgemini

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5G & Industrial Wireless Arena (Hall 14)

5G-ACIA Members on Stage

Thursday, 03 April, 2025

5GACIA	**10:20 - 10:40 (CEST)**	*Lecture*	**Business Value and Return-on-Invest Calculation for Industrial 5G Use Cases**	Maximilian Ortmann | Fraunhofer IPT
CAMPUS GENIUS	**11:00 - 11:20 (CEST)**	*Best Practice*	**How to tackle security in private 5G networks**	Thomas Höschele | CampusGenius
Fraunhofer IPT	**11:40 - 12:00 (CEST)**	*Lecture*	**5G and beyond for industrial applications:** **Results from the European research project TARGET-X**	Janina Gauß | Fraunhofer IPT
5GACIA	**13:15 - 13:35 (CEST)**	*Talk*	**Architecture and Technology for Machine Vision** **in industrial applications with 5G**	Joao Lopes | NXP
ERICSSON	**15:05 - 15:25 (CEST)**	*Lecture*	**Why 5G indoor precise positioning is the game-changer for smart factories**	Joe Wilke | Ericsson
Schneider Electric	**15:25 - 15:45 (CEST)**	*Lecture*	**Demystifying the next generation of automation** **with Open Software Defined Automation**	Aurélien LeSant | Schneider Electric
dfki Deutsches Forschungszentrum für Künstliche Intelligenz German Research Center for Artificial Intelligence	**15:45 - 16:05 (CEST)**	*Lecture*	**Sustainable Technologies** **for Advanced Resilient and Energy-Efficient Networks**	Christoph Lipps | DFKI

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5G & Industrial Wireless Arena (Hall 14)

5G-ACIA Members on Stage

Friday, 04 April, 2025

Fraunhofer IPT	11:00 - 11:20 (CEST)	*Lecture*	**Managing 5G service level specifications via digital twins**	Janina Gauß | Fraunhofer IPT
ERICSSON	11:40 - 12:00 (CEST)	*Best Practice*	**How to successfully deploy 5G campus networks across geographically dispersed manufacturing sites**	Joe Wilke | Ericsson

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5G & Industrial Wireless Stage (Hall 14)

Panels

In these panels, end users and key technology partners of the Industrial 5G ecosystem will contribute fascinating insights while discussing Industrial 5G deployments with 5G-ACIA members.

Tuesday, 01.April, 2025
10:45–11:45 (CEST)

Market adaption of Industrial 5G:
Where are we on the way of Industrial 5G deployments?

Moderated by
Dr. Afif Osseiran, 5G-ACIA General Vice Chair | Ericsson

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The panel will delve into the global testing and deployment of industrial 5G, exploring its added values and challenges.

The discussion will be on the forefront of industrial innovation as the panel delves into the dynamic world of industrial 5G. From Asia to Europe and the US, this panel brings together leading voices from across the end-to-end industrial 5G ecosystem to share their latest insights, experiences, and strategies for success.
The panelists represent a diverse array of perspectives, including OT automation players, Mobile Network Operators (MNOs), and infrastructure providers.
Together, they will offer unique insights into the testing, deployment, and ongoing utilization of industrial 5G, exploring its added values and the challenges it presents in today's global landscape.

Panelists:
Dr. Afif Osseiran | Ericsson
Dr. Andreas Müller | Bosch
Juha Mirsch | ABB
Takehiro Nakamura | NTT DOCOMO
Jaroslav Mracek | T-Mobile

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Wednesday, 02.April, 2025
13:35–14:35 (CEST)

Industrial 5G Ecosystem - Best Practice of 5G-ACIA

Moderated by
Niels König, 5G-ACIA WG5 Vice Chair | Fraunhofer IPT

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This panel discussion will highlight 5G-ACIA's significant contributions to the Industrial 5G ecosystem, focusing on initiatives such as the Demo Wall, the Device Overview, and the Industrial 5G User Guide.

The panel will combine presentations, live demonstrations (including features on the 5G-ACIA website), and an interactive discussion. Key questions will address market demands for devices and applications, the practical benefits of the Demo Wall, the value of the Industrial 5G Device Overview, balancing scope and depth in the Industrial 5G User Guide, and strategies to further engage industrial 5G users. This comprehensive approach will provide invaluable insights and foster an in-depth understanding of the industrial 5G landscape.

Panelists:
Niels König | Fraunhofer IPT
Dr. Christian Bauer | Belden
Dr. Yang Liu | AILINK
Cole Saunders | ifak

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5G-ACIA Members at Hannover Messe 2025

5G-ACIA Guided Tour

Take this opportunity to engage with experts, explore state-of-the-art technologies, and stay ahead in the evolution of industrial 5G.

Join us for an exclusive tour showcasing cutting-edge innovations from leading industry pioneers. Gain valuable insights into the latest advancements in private 5G networks and their transformative impact on industrial applications.

Meeting Point for all tours: 5G-ACIA Booth (H06/33)

Tours

1
Tuesday, 01 April, 2025
13:00–14:30 CEST

2
Wednesday, 02 April, 2025
15:00–16:30 CEST

3
Thursday, 03 April, 2025
11:00–12:30 CEST

4
Friday, 04 April, 2025
11:00–12:30 CEST

Featured Exhibitors

AILINK — Comprehensive, scenario-driven P5G solutions for end-to-end connectivity.

CAMPUS GENIUS — Focus on the GeniusCore, the 5G-SA core software

ERICSSON — 5G use cases in manufacturing, including autonomous systems, IIoT, and advanced analytics.

firecell — Showcasing 5G use cases for manufacturing.

Fraunhofer IPT — Advanced Energy Monitoring Framework for optimized industrial efficiency.

NOKIA — Innovative private 5G solutions driving the future of industrial connectivity.

SIEMENS — End-to-end private Industrial 5G networks enabling mission-critical applications.

See you in Hannover!

If you have any questions in connection with your visit to our booth, please don't hesitate to contact us!

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