



CONSTRUCTION

- Networked Construction Machines
- Implementation of Robots in Construction Processes
- 5G in construction processes for automation and workload reduction.

EDGE ROBOTICS

- Independent, flexible robots
- 5G-enabled mobile communications
- Adaptive manufacturing solutions



AUTOMOTIVE

- Cooperative perception for Connected Automated Vehicles (CAVs)
- Digital Road Twin
- Predictive Quality of Service

ENERGY

- 5G for energy awareness
- Increasing sustainability
- 5G for monitoring



MANUFACTURING

- TSN integration for RT-communication from the cloud
- End-to-end support for Layer 2 industrial protocols
- mmWave for industrial 5G NPN
- 5G Network Asset Administration Shell

Free registration

Register here:

[Target-X Final Day](#)



Campus Melaten Aachen,
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Invitation



FINAL EVENT

Experience 5G / 6G Transformation Demos and Presentations

Campus Melaten | Aachen | Germany

October 2 | 2025

TARGET-X Partners



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Dear guests,

TARGET-X and all consortium partners cordially invite you to the Final Event on October 2 2025. This event marks the culmination of 3 years of innovation, collaboration, and progress within the project.

Join us as we present the final results of Target-X, including insights from the Open Calls and the advancements made across all trial sites. Get up close with cutting-edge demonstrators that showcase how 5G and 6G technologies are driving transformation across the manufacturing, energy, automotive, and construction sectors.

Experience live industry-related demos in Aachen, illustrating the full potential of next-generation connectivity at the intersection of communication technologies and key verticals.

Over the course of the project, partners from industry and research have conducted large-scale trials to accelerate the digital transformation of European industry. Key technologies such as localization, digital twinning, and sensor-network data fusion have been tested and validated using 5G and 6G solutions.

Funded by the Smart Networks and Services Joint Undertaking (SNS JU) under Horizon Europe, Target-X has contributed to strengthening Europe's leadership in next-generation communication technologies. The Final Event offers a unique opportunity to celebrate this achievement and explore the future beyond.

We are looking forward to your visit!

Programme

09:00 – 09:30	Event start Laboratory for Machine Tools and Production Engineering (WZL) of RWTH Aachen University	11:15 – 11:50	Keynote: 6GEM – 6G research hub for open, efficient and secure mobile communications systems Prof. Dr. Haris Gačanin, Chair for Distributed Signal Processing RWTH Aachen University
09:30 – 09:40	Welcome address Niels König (project coordinator), Fraunhofer Institute for Production Technology IPT	11:50 – 12:00	Introduction to the demo tours Lucky Adam, Laboratory for Machine Tools and Production Engineering (WZL) of RWTH Aachen University
09:40 – 10:10	Introducing TARGET-X: On goals, the project approach and key results Janina Gauß (project manager), Fraunhofer Institute for Production Technology IPT	12:00 – 13:30	Lunch and networking Buffet at "Gretchen"
10:10 – 10:30	TARGET-X Network innovations Bart Mellaerts, Ericsson	13:30 – 16:30	Demos on different sites of the 5G-Industry Campus Europe testbed
10:30 – 10:45	Coffee Break	16:30 – 18:00	Networking
10:45 – 11:15	Presentation of FSTP project highlights Aneta Gałązka, FundingBox		