



CONSTRUCTION

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



AUTOMOTIVE

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



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

Visit: <https://target-x.eu/open-day/>



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Invitation

OPEN DAY

Experience 5G / 6G Transformation Demos and Presentations

Campus Melaten | Aachen | Germany

September 17 | 2024



TARGET-X Partners



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Programme

Dear guests,

TARGET-X and all consortium partners cordially invite you to the first Open Days on September 17 2024. With an overview of the progress of the project, insights into the development of the projects from the first Open Call, TARGET-X gives you the opportunity to get very close to the innovative solutions for the implementation of 5G and 6G in industry and production.

Use this day to learn more about our trial sites with industry-related demos in Aachen. Experience innovative demonstrators that clearly show the potential of 5G technology at the interface between communication technology and the verticals manufacturing, energy, automotive, and construction.

In TARGET-X, partners from industry and research have set themselves the goal of accelerating the digital transformation of key industries through large-scale trials in various test environments. Using 5G and 6G technologies, functions such as localization, digital twinning and data fusion between sensors and networks are tested and evaluated in the various test environments and industries. The TARGET-X project is funded over 2.5 years by the “Smart Networks and Services Joint Undertaking” (SNS JU) within the framework of Horizon Europe. Its aim is to secure the industry’s leading role in Europe in 5G and 6G.

We are looking forward to your visit!



09:00 – 09:30	Welcome by host and coordinator Niels König and Janina Knußmann Fraunhofer Institute for Production Technology IPT	14:30 – 15:00	Introduction to the Demos Prof. Dr. Sigrig Brell-Cokcan Chair for Individualized Production, RWTH Aachen University
09:30 – 10:00	Introducing TARGET-X: On goals, the project approach, results and outlook Niels König, Fraunhofer Institute for Production Technology	15:00 – 17:00	Demos on different sites of the 5G-Industry Campus Europe testbed
10:00 – 10:30	Overview of Target-X Use Cases Brief rundown of all 11 TARGET-X use cases	A selection of the demos:	
10:30 – 11:00	Coffee Break	Construction and Energy	Energy monitoring of construction machines
11:00 – 12:45	Presentation and demo of selected funded projects from first Open Call	Robotics	Edge-controlled automation with mobile manipulation
13:00 – 14:00	Lunch break and Networking Reference Construction Site	Automotive	Live stream of tele-operated driving
		Manufacturing	5G ROI tool enhanced by sustainability
			And more to come!