Invitation
EtherCAT University Tour The Netherlands 2022

October 11, 2022 | Delft
October 12, 2022 | Enschede
October 13, 2022 | Eindhoven

Enschede

Delft

Eindhoven

Organized by: **EtherCAT** Technology Group

Sponsored by: **BECKHOFF**

Register online today – it's free!
www.ethercat.org/2022/netherlands

Contact

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Sponsor

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What is EtherCAT?

- EtherCAT (Ethernet for Control Automation Technology) is the fastest Industrial Ethernet solution that provides industry leading performance, flexibility and cost advantages

Who should attend?

- These free-of-charge seminars are addressed to automation professionals, device manufacturers, system integrators, product managers, as well as decisions makers and students to learn about EtherCAT and Industrial Ethernet, but also hot topics like cybersecurity and gigabit performance for EtherCAT

Why attend?

- Learn about the benefits and the challenges of Industrial Ethernet

- Explore and understand EtherCAT technology

- Talk with an EtherCAT expert face-to-face, and see how EtherCAT can accelerate your application or project

- Have a deeper look at the technology and how to start an implementation

- EtherCAT seminars are educational events from the EtherCAT Technology Group (ETG)

About ETG

- EtherCAT Technology Group (ETG) - the world's largest Industrial Ethernet Fieldbus organization with over 6,800 member companies from 70 countries supporting the EtherCAT technology

EtherCAT Technology Group

Timetable

Delft + Enschede:
- Registration on site: 9:30
- Start of seminar: 10:00
- End of seminar: 15:00

Eindhoven:
- Registration on site: 8:30
- Start of seminar: 9:00
- End of seminar: 14:00

Use the chance to talk to the EtherCAT experts and product specialists and discover some EtherCAT demos on site during the breaks. Coffee and lunch will be offered free of charge.

Locations

T U Delft

Delft | Tuesday, October 11

Delft University of Technology
DEMO
www.tudelft.nl

UNIVERSITY OF TWENTE.

Enschede | Wednesday, October 12

University of Twente
www.utwente.nl

TU/e EINDHOVEN UNIVERSITY OF TECHNOLOGY

Eindhoven | Thursday, October 13

Eindhoven University of Technology
Tech United
www.tue.nl

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ETG Speaker

Oliver Fels
Technology Marketing
EtherCAT Technology Group

Presentations will be held in English language.
Order and titles of presentations may vary.

Agenda

- **EtherCAT technology highlights and benefits: From Ethernet to EtherCAT**
  Removing the bottlenecks with EtherCAT: processing on the fly! A primer on EtherCAT, how it works, key functional principles, integrated safety and performance data compared to the competition.

- **Installation and diagnosis: How to build and maintain an EtherCAT network**
  A overview of the outstanding diagnostic features of the EtherCAT master and slaves, and how they can be used in systems for maximizing uptime, minimizing downtime, and assisting with troubleshooting a network.

- **Get it done: EtherCAT master and slave implementation**
  Learn how to start with an EtherCAT master or slave device. We will look at the requirements, conformity and certification. Have a head start knowing the right tools and documents, including a live demonstration!

- **EtherCAT and cybersecurity**
  A view on the robustness of EtherCAT against cyber threats.

- **Success Stories**
  See various examples of successful EtherCAT applications worldwide.

- **EtherCAT applications**
  Recent EtherCAT projects and/or applications presented by the supporting local university.

- **What's next? EtherCAT G + G10**
  EtherCAT G offers the next performance level for high-performance machines and data-intensive applications. Parallel processing of segments enables significantly reduced propagation delay times with full EtherCAT compatibility and integration of 100 MBit/s EtherCAT devices.

- **Q & A session: networking and ask the experts**

EtherCAT Technology Group   www.ethercat.org

The EtherCAT Technology Group keeps EtherCAT technology open for all potential users. It brings EtherCAT device manufacturers, technology providers, and users together to further the technology. It provides multiple Technical Working Groups where experts carefully work on various specific aspects of EtherCAT. All of these activities are focused on one common goal: keeping EtherCAT stable and interoperable.

BECKHOFF   www.beckhoff.com/nl-nl

Beckhoff implements open automation systems based on PC Control technology. The product range covers Industrial PCs, I/O and Fieldbus Components, Drive Technology and automation software. Products that can be used as separate components or integrated into a complete and seamless control system are available for all industries. The Beckhoff "New Automation Technology" philosophy represents universal and open control and automation solutions that are used worldwide in a wide variety of different applications, ranging from CNC-controlled machine tools to intelligent building automation.

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