NXP Cup 2026

Sub Heading or Speaker Name

NXP Cup 2026: Enhance your skills with industry standard solutions

Engineering

Co-work with NXP engineers to design your self-driving vehicle

Embedding

Experience more possibilities with our AI/ML processors

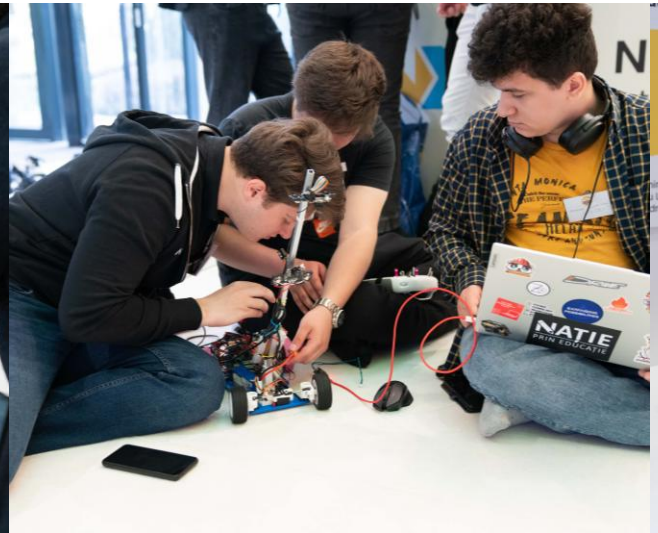
Designing

Get your feet wet with our chips and build your own vehicle

Programming

Make use of our starter software and tune your car for the fastest lap time

Invent – Build – Race - Win



Join the greatest autonomous robotics and automotive challenge in EMEA

NXP Cup 2025 figures

224 teams

from different universities and schools in EMEA joined us in 2025

12 countries

including Romania, France, The Netherlands, Germany, and many more

+40 universities

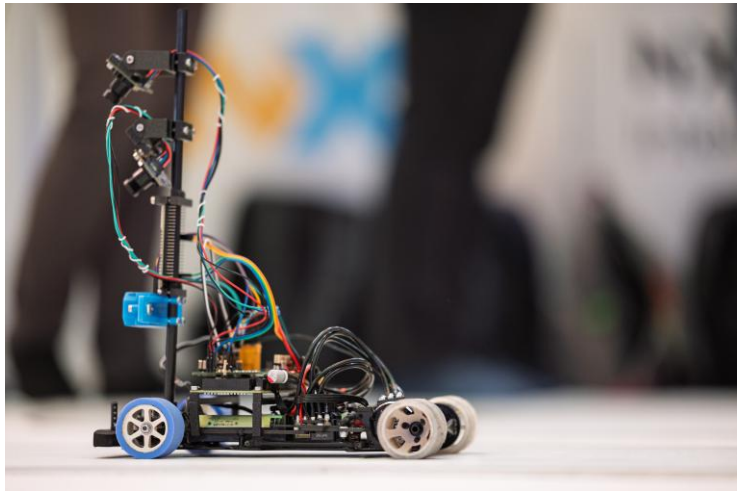
all students welcome: High School and STEM, Bachelor, Master, PhD, Robotic Clubs...

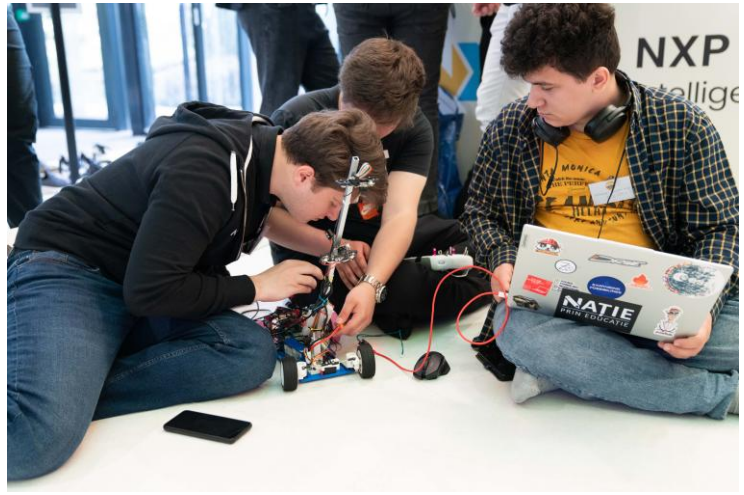
8 campus races

in-Person events held on EMEA campuses to qualify for the Finals

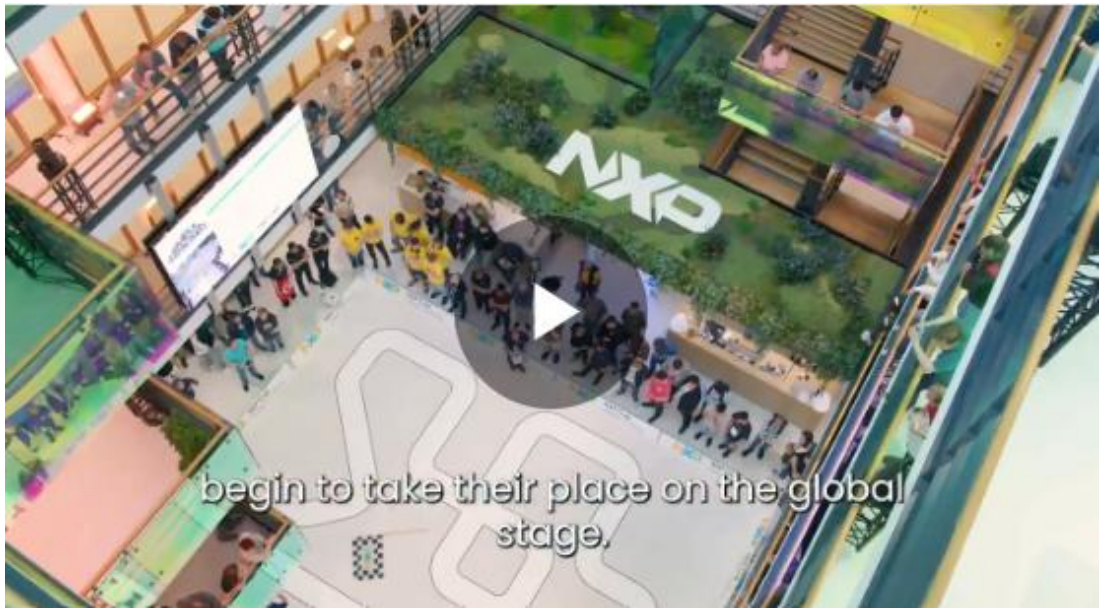
Finals 2025 in Eindhoven

Top 20 Teams got invited to race for €6,000 prize money





NXP Cup highlights & key information



Highlight video 2025

Click here for the NXP Cup Journey: Important steps

Why participating in the NXP Cup?

Support
Ready to use courses, codes snippets, webinars, community help, development platform

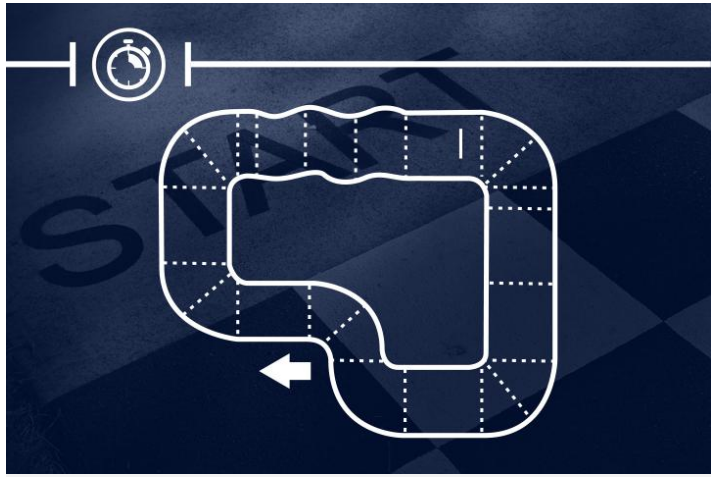
Theory into practice
Apply your learning into a practical and exciting program

Employment
Great addition to your resume and an opportunity for networking

EmCar– Masaryk University
Winners of the NXP Cup 2025

µCar – Masaryk University
Second on the NXP Cup 2025

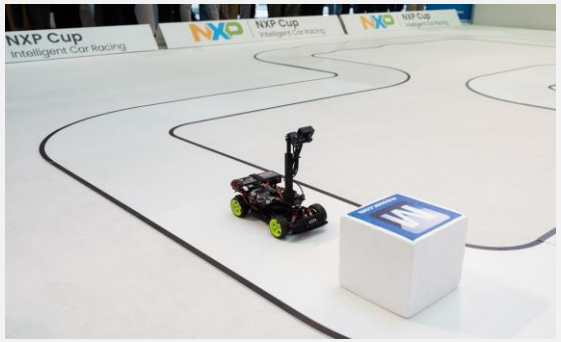
The missions at hand for the participants of the NXP Cup

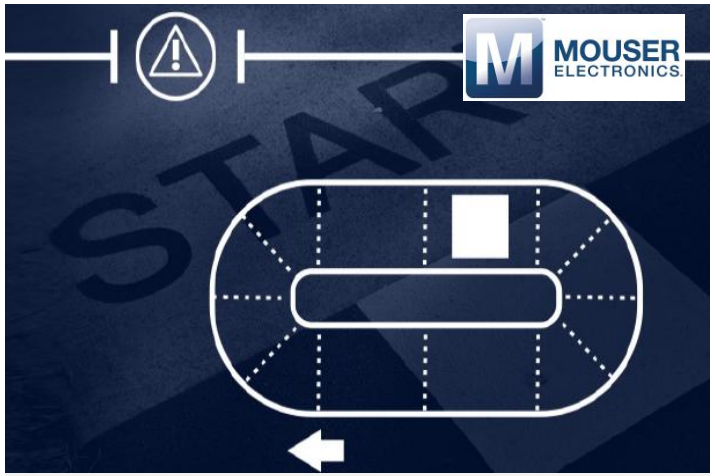


Speed race

Precise maneuvering for the fastest lap time.

Manage your speed and run your car as fast as possible on an undisclosed track layout. Qualification race layouts may vary from event to event but will keep the same overall length and difficulty level.





Lap of honor by Mouser

Speed control and obstacle stopping.

After you are done with your fastest lap, slow down the car to a crawl after the finish line and park it automatically within 10cm in front of an obstacle placed on the racetrack.

Mark your calendar for important milestones!

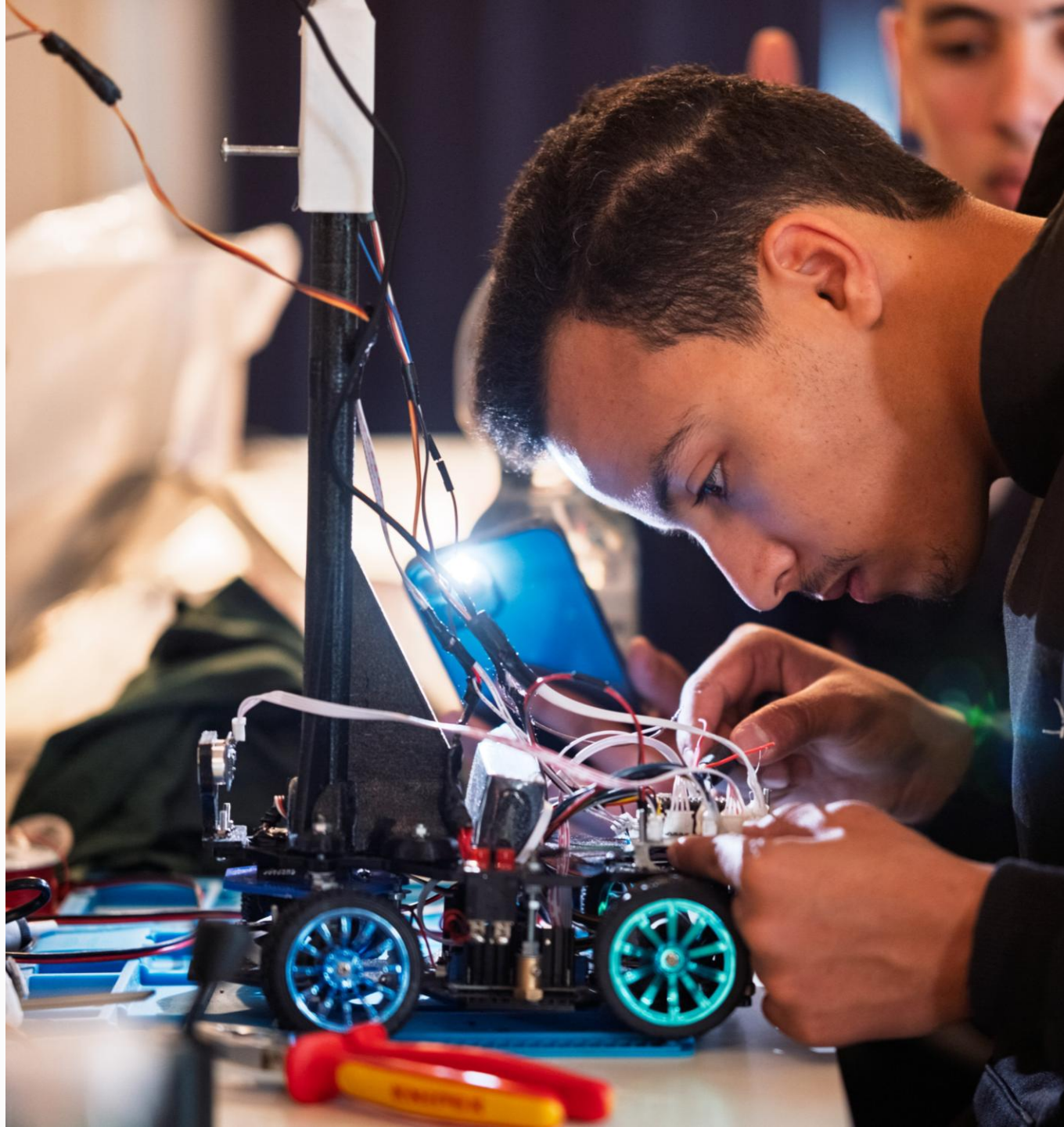
Enroll from Summer 2025 until Jan 2026	Design from Oct to March	Qualify March-May 2026	Finals May 2026
Sign-up in teams of 1-3 persons	3D-print your rover with the help of an extensive Gitbook guide	Join one of the EMEA in-person qualifications and become a local champion	Best teams will be invited to the finals

2025 3Q - 4Q **2026** 1Q 2Q

2026 NXP Cup car

The 2025 NXP Cup introduced a fully 3D-printed RTD kit—designed for durability, ease of assembly, and hands-on learning at the same time reducing material waste and enabling local fabrication.

- S32K144EVB-Q100: Automotive-grade MCU for real-time control or FRDM-MCXN947 industrial board with AI accelerator
- 3D-Printed RTD Chassis: Lightweight, customizable, and sustainable
- Camera Module: For line detection and obstacle recognition
- Motor Driver Board: For precise speed and steering control



Contacts and useful links

For any questions or information, please contact :

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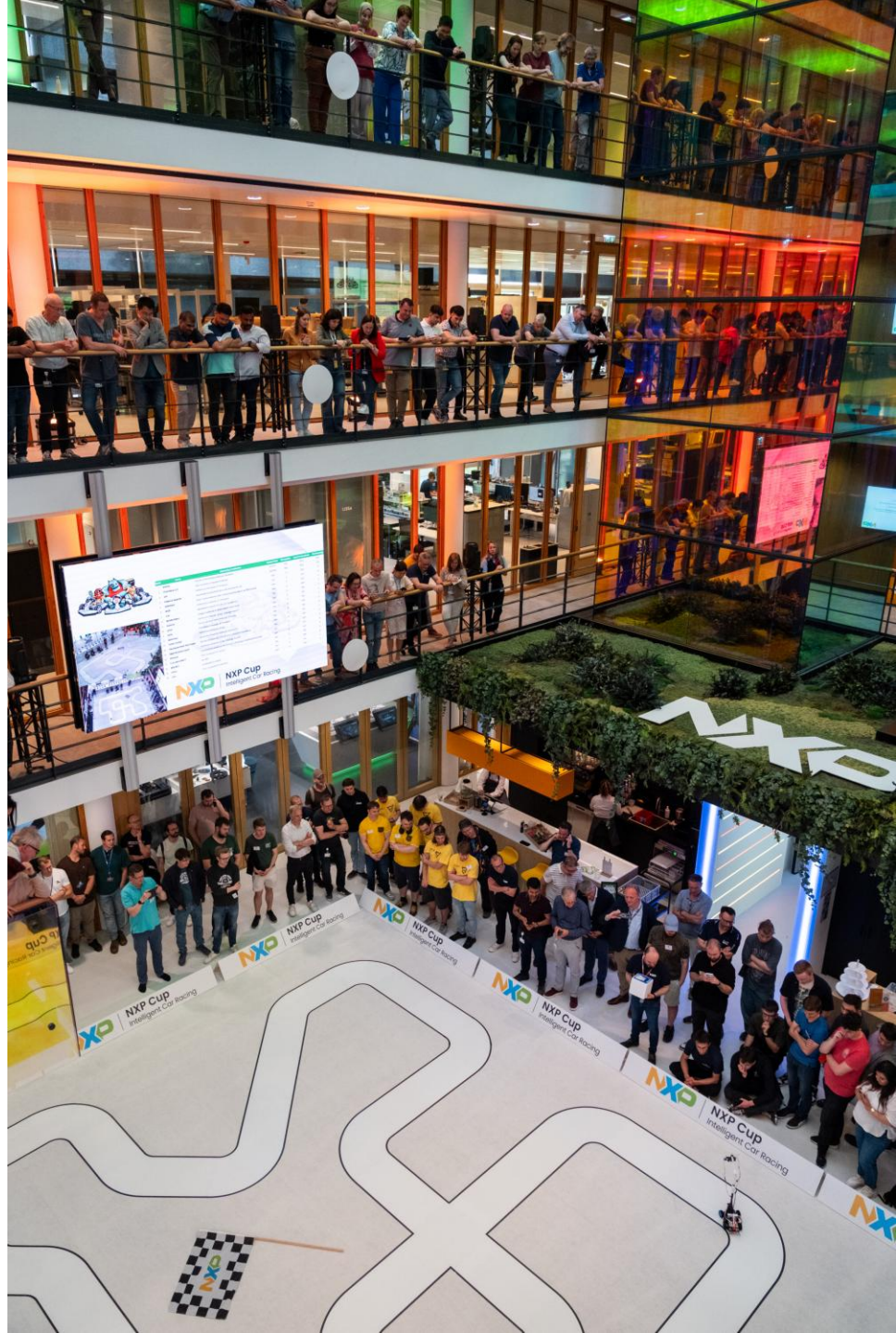
To see more about NXP Cup, please visit our website:
https://nxpcup.nxp.com

Useful links:

- GitBook
- Discord server
- Community page w/ course material and starter software
- Highlights video



NXP CUP
INTELLIGENT
CAR RACING

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