ARTUS Information for Sponsors

Project Lynx

Find all important information about our project, our team, and the benefits for your company in this presentation.

Overview

ARTUS – the **Autonomous Robotics Team University of Stuttgart** was founded in May 2024 as an official university group and registered German association.

The team has developed a **fully proprietary autonomous snowplow robot**, entirely designed, built, and programmed in-house. The modular platform integrates modern sensor technology and advanced control systems and is continuously being improved in both hardware and software.

At the Autonomous Snowplow Competition in the USA, **ARTUS placed 4th** and received the **Sportsmanship Award**. The team will return to the competition in 2027 and is also preparing to participate in further international robotics events, including the **Field Robot Event 2027**.



Support the next generation of engineers

By supporting ARTUS, your company enables students to turn theoretical knowledge into real-world engineering.

More than 25 students from nine different study programs develop, build, program, and test autonomous robotic systems together.

Through Project Lynx, our partners gain direct visibility among highly motivated students, allowing future engineers to get to know your company, technologies, and products.

Your support helps us improve Lynx, compete internationally, and give students valuable hands-on engineering experience.

The Team

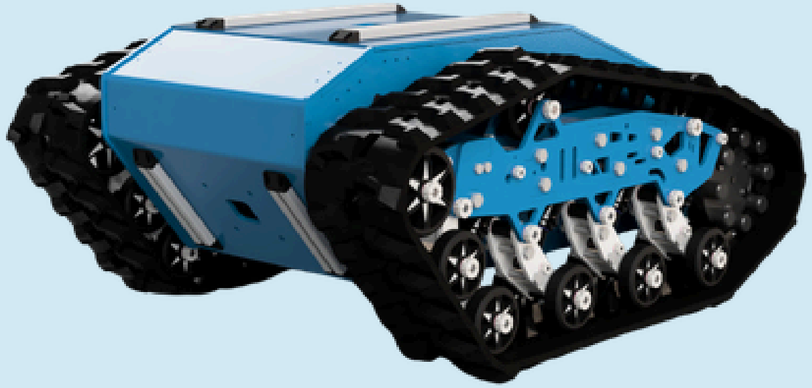
As of August 2026, our team consists of

25+ students
from **9 different study programs**
2,500+ hours
invested in development, testing and competition preparation

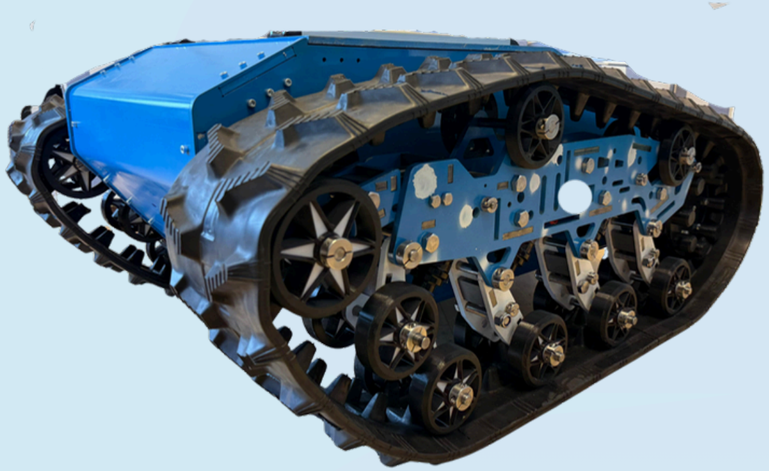




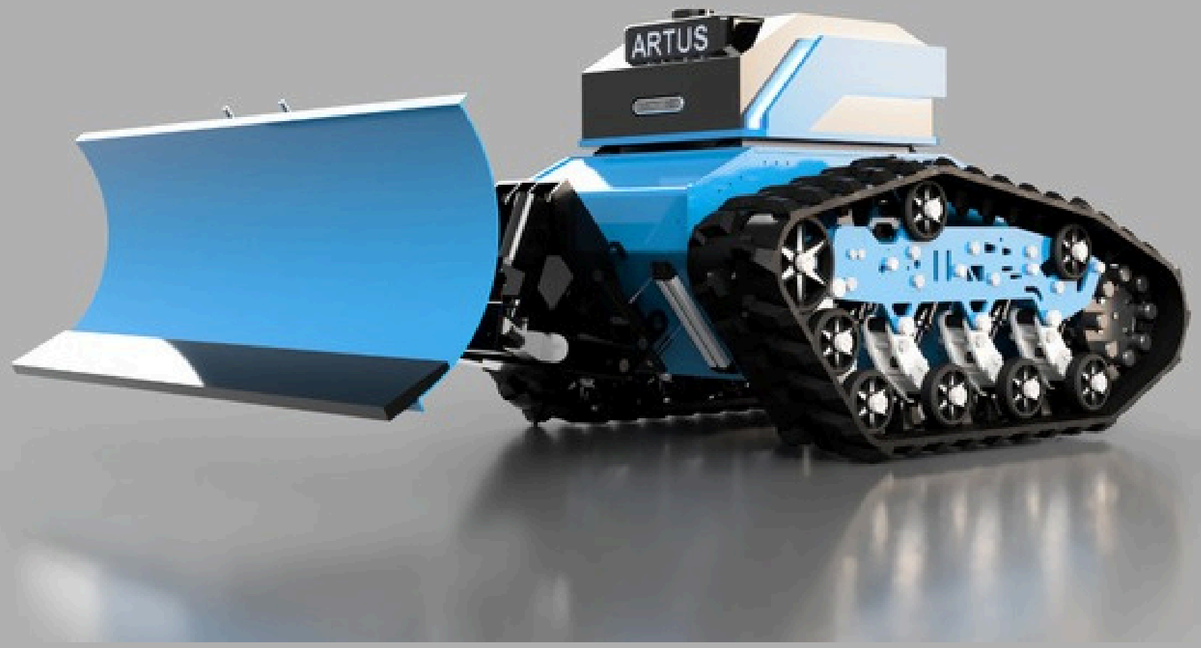
Our robot



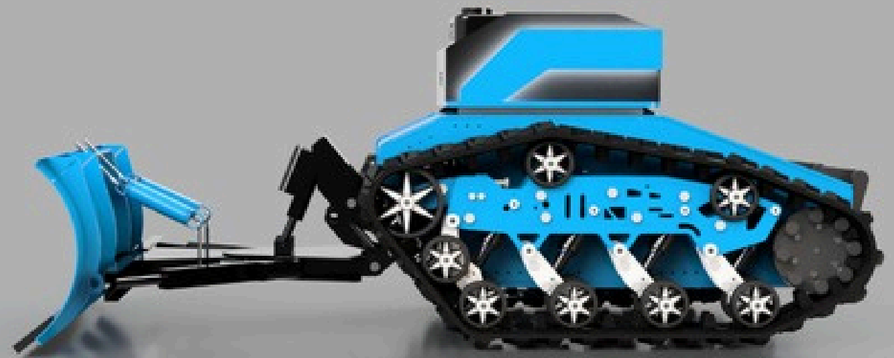
From the idea

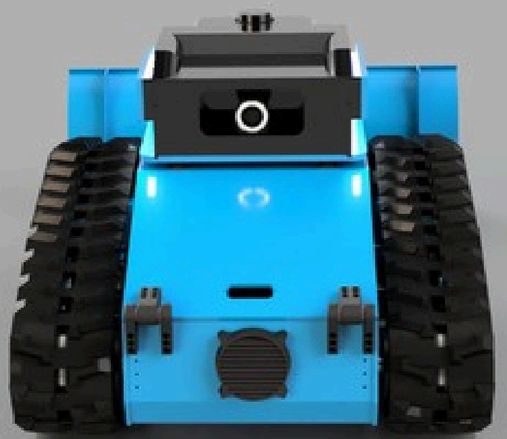


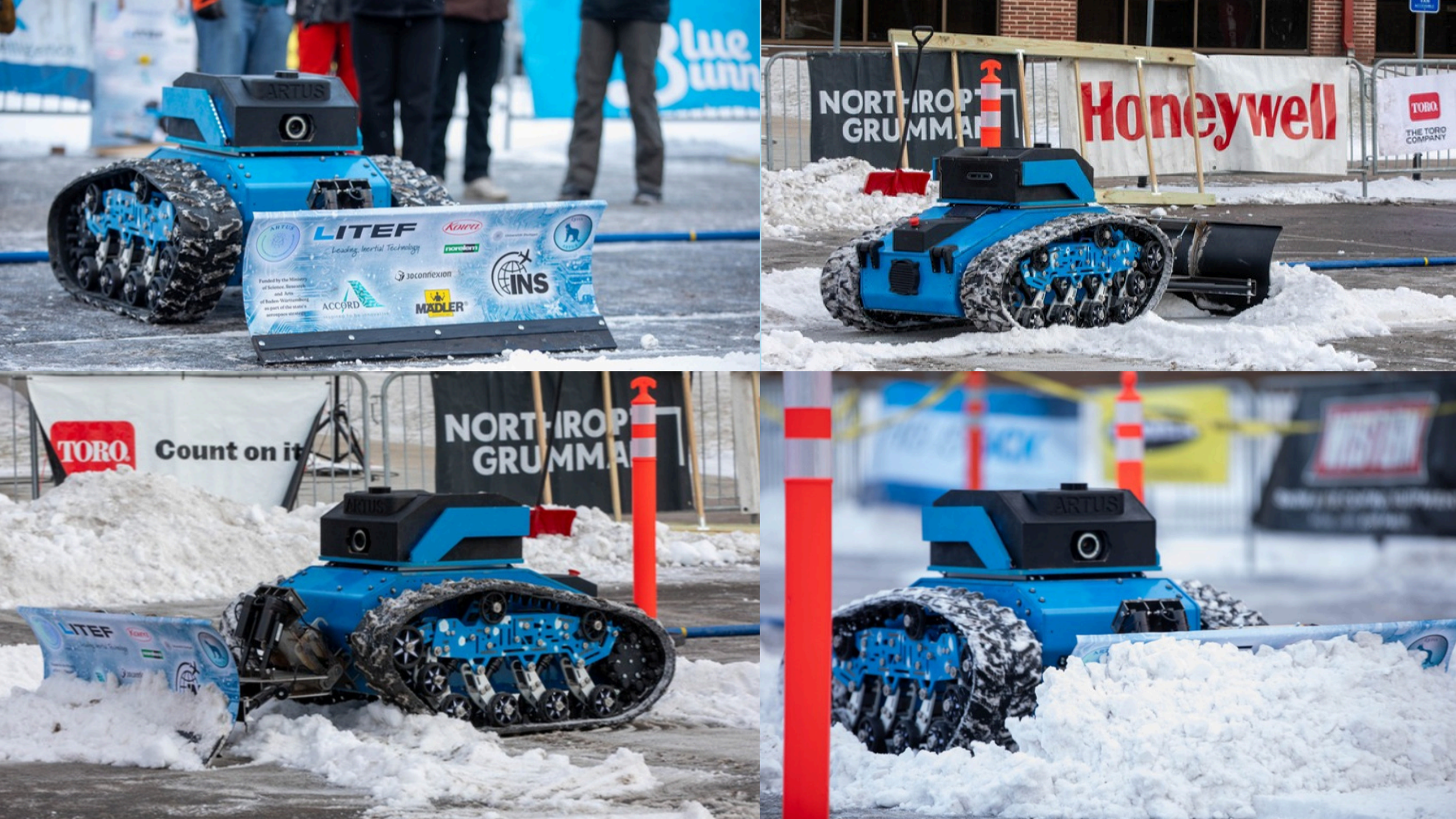
to the final result


ARTUS








ARTUS
LITEF
Leading Inertial Technology
Kowa
norelem
3Dconnexion
INS
ACCORD
MÄDLER
NORTHROP GRUMMAN
Honeywell
TORO
THE TORO COMPANY
TORO
Count on it
NORTHROP GRUMMAN
ARTUS
LITEF
ARTUS

LYNX AT A GLANCE

The Lynx robot is a compact and robust autonomous platform designed for both indoor and outdoor applications.
It is powered by two DC-Servomotors with worm gears and a self-developed 5.376 kWh $LiFePO_4$ battery system.
The robot is equipped with a suite of advanced sensors for navigation and environmental perception, including:

- A GNSS system supporting GPS, GLONASS, BeiDou, Galileo, and QZSS for global positioning
- An Inertial measurement unit (IMU) with a gyroscope and a 3-axis accelerometer
- A 2D LiDAR for SLAM and obstacle detection
- An RGB camera for visual sensing
- A depth camera for obstacle detection and visual analysis

Lynx features modular compartments and standardised interfaces for additional equipment or payloads, enabling a wide range of autonomous operations in harsh or complex environments.
It can reach speeds of up to 8 m/s, and operate reliably in temperatures ranging from –30 °C to 40 °C.
Its design focuses on applications in autonomous snow removal, robotics research, and industrial environments that demand robustness, versatility, and high performance.

Your benefits as a sponsor

Bronze
from 500 €

- Reference on our Website
- Social Media Post

Silver
from 1,500 €

Previous Benefits +

- Blog article about your product
- **Logo on our robot**

Gold
from 2,500 €

Previous Benefits +

- Two more Social Media Posts
- Job/Internship postings to our team
- **Invitation to our Office**

Platinum
from 5,000 €

Previous Benefits +

- Large Logo on our robot
- Placement of your logo on a banner that will be displayed on all ARTUS Public Events and Competitions

Diamond
from 7,500 €

Previous Benefits +

- **Main Partner**
- Main Logo Placement
- Test ride with our robot
- Reference in public presentations

Why partner with ARTUS?

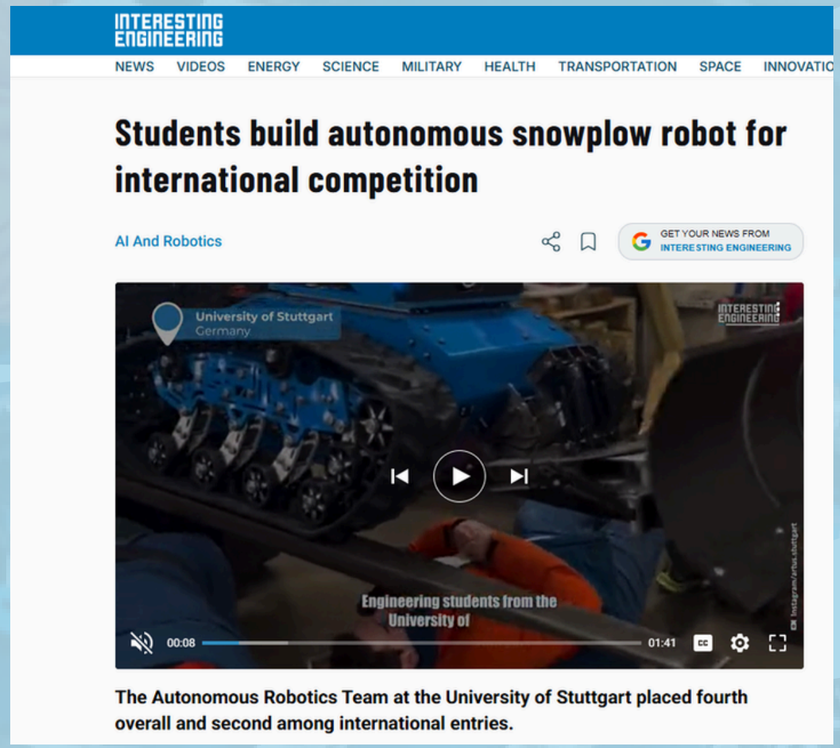
Access to young talent
Connect directly with motivated students from different technical disciplines and present your company as an attractive employer.

Visibility for your company
Showcase your brand, technologies, and products through our robot, events, competitions, website, and social media.

Support real-world engineering
Become part of a project where students develop, build, and test autonomous robotic systems in practice.

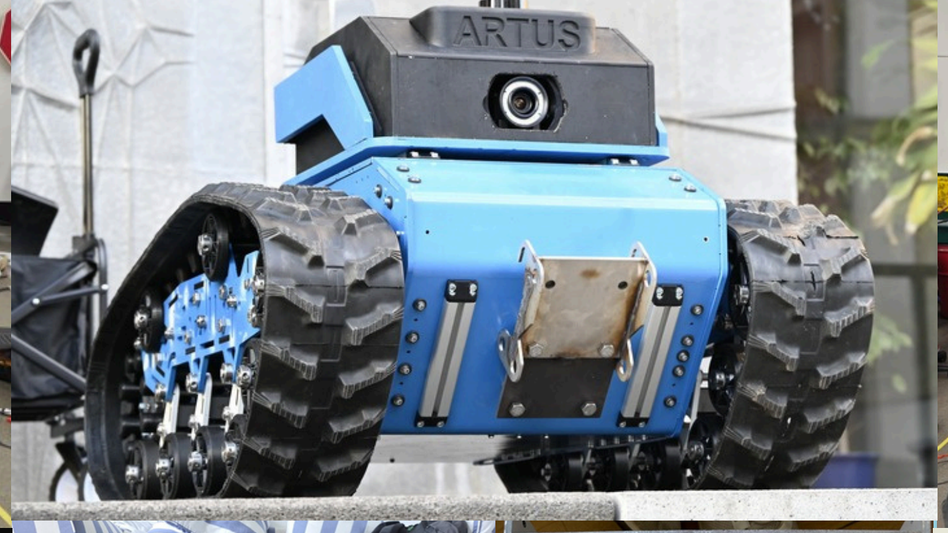
International exposure
Join us as Lynx competes at international robotics events and attracts public and media attention.



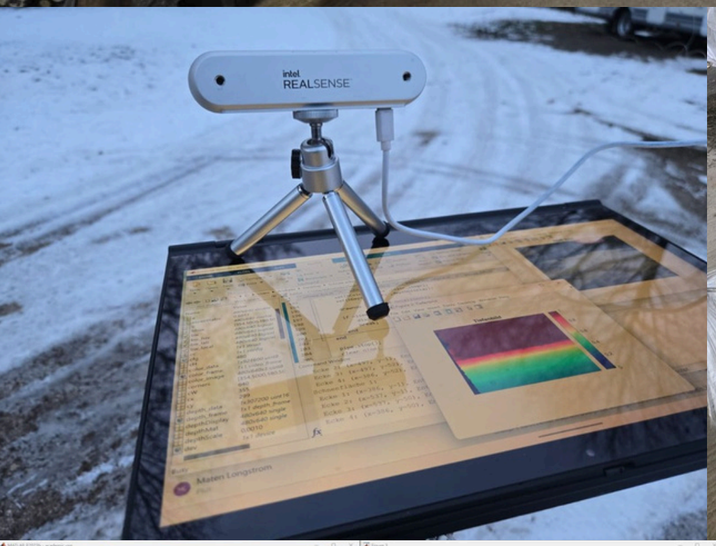


International media coverage – Interesting Engineering



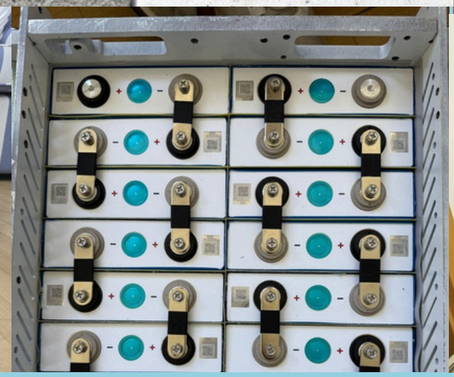

ARTUS


STOP


intel
REALSENSE



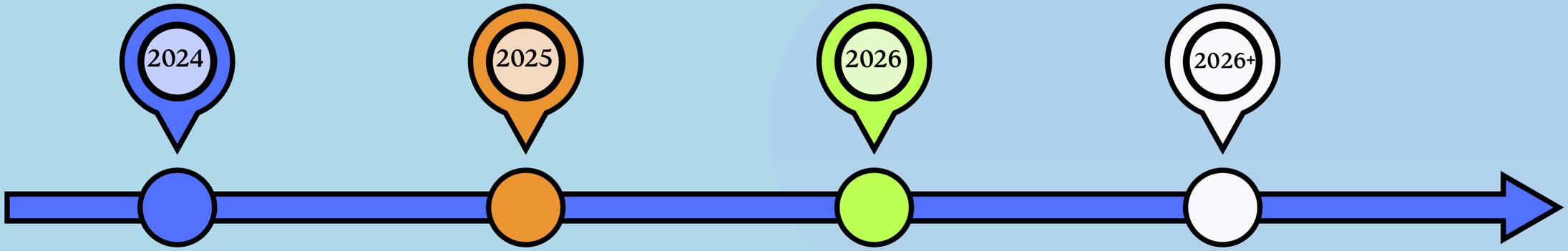




Timeline

Concept development and complete in-house design of a proprietary, modular autonomous robotic platform.

Continuous optimisation of hardware and software, expansion toward additional international robotics competitions, including the Field Robot Event 2027, and preparation for a renewed participation at the ASC in 2027.



Foundation of ARTUS as an official university group and registered German association at the University of Stuttgart.

Successful participation in the Autonomous Snowplow Competition, achieving 4th place and receiving the Sportsmanship Award.

Thank You

Thank you for your ongoing support and contributions to our success.

ARTUS e.V.
IBAN: DE97 6009 0100 0685 9610 01
BIC: VOBADESSXXX

Address
Breitscheidstraße 2
70174 Stuttgart
Institut für Navigation 4.OG
Web: artus-ev.de

For further questions or discussions, please contact us at

vorstand@artus-ev.de | +49 1575 5224544

More information about the robot and the project:
artus-ev.de/lynx/

ARTUS e.V. is recognized as a non-profit organization.
District Court Stuttgart | Registration number: 726897