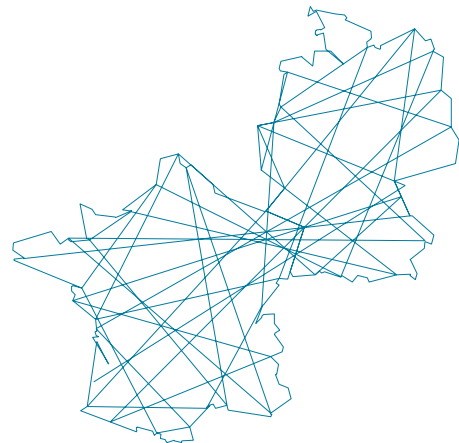


# GERMAN-FRENCH ACADEMY FOR THE INDUSTRY OF THE FUTURE

The German-French Academy for the Industry of the Future (GFA) is an effective accelerator to promote close collaboration between two leading European research institutions, the Technical University of Munich (TUM) in Germany and the Institut Mines-Télécom (IMT) in France, and to strengthen German-French relations. The GFA's mission is to master the challenges accompanying the growing digitalization of industry processes through joint research, education, and innovation. Industry, start-ups and various institutions are valuable partners contributing to our success.

The Academy was established in 2015 during the German-French Digital Conference hosted by French President Emmanuel Macron and Germany's Vice-Chancellor Sigmar Gabriel. Since then, an originally politically motivated initiative has grown into a vibrant ecosystem with strong, trustful and long-term partnerships and has become a sought-after partner for new projects fostering German-French cooperation.



## Shaping Industry 4.0 through joint research, education, and innovation

German-French Academy  
for the Industry of the Future

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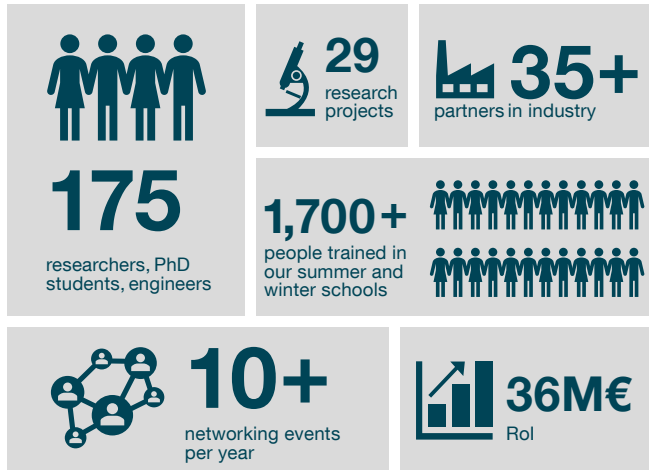
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## The Trans- national Network

for Linking Research, Education,  
Industry and Innovation in Industry 4.0

# OUR VISION, OUR MISSION AND OUR GOALS



## Effective Research for the Industry of the Future

The GFA serves as a powerful catalyst, uniting researchers from Germany and France in interdisciplinary teams. They collaborate on crucial subjects, propelling economic and industrial progress and creating groundbreaking innovations for the Industry of the Future. Several excellent third party funded projects emerged in 2023:

### Edu4Chip (Advanced Digital Skills, DIGITAL Europe Programme)

The project enhances the chip design capability in Europe by implementing harmonized study programs at excellent universities to grow the number of future chip designers. Experts from research and industry accompany the project.

### CyberSecDome (Increased cybersecurity 2022, Horizon Europe Framework Programme)

The project will integrate advanced virtual reality to extend the capabilities of security solutions, with the aim of enhancing the security, privacy and resilience of digital infrastructure.

### Safe4Soc (Cyber Security and Trust, DIGITAL Europe Programme)

The goal is to improve threat detection capacities and sharing among entities of any kind in charge by developing tools that support structured, regulation-friendly and AI-assisted sharing of incident and anomaly detection information.



## Education for the Industry of the Future

Education stands as a fundamental pillar of the GFA's mission. Therefore, we orchestrate digital learning solutions, seasonal schools, workshops, and symposiums in collaboration with esteemed partners to proactively shape our increasingly digital future. Moreover, we curate distinctive events, hackathons and Capture-the-Flag (CTF) competitions, tailored to the needs of our community and industry stakeholders.

### GreenHack~IT

In 2022, this hackathon convened 60 students from both France and Germany in Munich. It focused on the application of Artificial Intelligence to address industrial challenges through the lens of Green IT principles. Collaborating closely with our partners from TUM, IMT, Leibniz Rechenzentrum, and Ariane Group, GreenHack~IT proved to be a resounding success and will recur in 2024.

### GFA FLAG ATTACK

In 2023, we present the first GFA CTF event, scheduled to take place at the Campus Cyber in La Defense, Paris. Organized in collaboration with Airbus Defense & Space, this event will bring together 40 French and German students. Participants will engage in competitive challenges and simulated cyber-attack scenarios, offering a unique opportunity for skill development.



## Industry & Innovation of the Future

The objective of the GFA is to enhance a framework for collaborations with industrial companies and start-ups from France and Germany. This includes research, innovation, continuous training, lifelong learning, prospective cooperation, and their involvement in shaping the strategy and direction of GFA activities. With a focus on meeting the needs of businesses, the GFA aims to support industry competitiveness and serve as an effective accelerator for Industry 4.0 technologies.

Annually, the GFA organizes the flagship networking event **Here.We.Go – The Future Industry Forum** in alternating locations between Germany and France. The purpose is to bring together the GFA community of researchers, scientists, industrial and institutional partners, and start-ups to establish strong foundations for sustainable partnerships.

In 2023, the GFA initiated its first **We.Go.Further – Learning Expedition** for German and French start-ups. This involved a carefully selected group of 18 start-ups visiting the Vivatechnology fair in Paris and the Bits&Pretzels fair in Munich, providing them with an immersive experience of both ecosystems and facilitating their entry into the neighboring country.

