



**TOGETHER
WE CREATE
THE FUTURE
OF MOBILITY**



automotive
center of
expertise



About ACE

We are living in an exciting decade with interesting developments in mobility. The future of traffic demands smart and green solutions. In this, the Dutch automotive industry has a prominent position. To maintain this pioneering position, Automotive Center of Expertise (ACE) has a

strong cooperation with the automotive industry and the three automotive Universities of Applied Sciences (Fontys Hogescholen, Hogeschool of Arnhem and Nijmegen and Hogeschool Rotterdam). Daily professional practice, automotive education and automotive research come together at ACE.

ACE is where the future of mobility starts



Industry

Due to the enormous transition in the automotive industry, there is a high demand and need for knowledge. That is where ACE proves its added value: ACE is becoming a key figure in making the necessary knowledge from higher professional education and the automotive industry available.

ACE also aims to set up new programs in the field of education and research with a focus on open innovation and knowledge sharing. The ACE team likes to take on these challenges, together with the Universities of Applied Sciences and the industry.

ACE Partners

ACE is very proud of its partners. Together they are the frontrunners of the Dutch automotive industry. Through ACE, the industry and the three Universities of Applied Sciences form a powerful network that keeps the industry strong, agile and future proof.





Talent

The growth and availability of sufficient and high-quality automotive talent is very important to ACE. That is why ACE carries out various activities to support the educational programs, in order to ensure a sufficient influx of automotive students to automotive educational programs. Even more important is to ensure a sufficient outflow of automotive students to the industry. The ACE Job Portal, 2nd year student workshops, Pre-master education, the ACE Academy, the ACE Student Award, the ACE Automotive Careerday and the promotion of working in the automotive industry through the eyes of young Engineers.

ACE Job Portal

As a service to the automotive (technical) students of the three Universities of Applied Sciences and the ACE Partners, ACE offers an ACE Job Portal filled with internships, graduation assignments, traineeships and entry level jobs. These vacancies are exclusively offered by our ACE Partners with the aim of finding suitable personnel.

ACE Academy

In collaboration with the automotive industry, ACE offers a wide range of (multi-day) courses, masterclasses and workshops to anyone who is interested and/or in need of further training in the field of automotive.

Research

The content of the three research themes: Professional Monitoring, Lightweight and Future Mobility (including Automotive Mobility as a Service) was developed in collaboration with the research team. The research team consists of professors and lecturers from the three Universities of Applied Sciences, representatives of our ACE partners and the ACE team. The research team meets once a month to plan, coordinate and evaluate the joint research into these themes.

Monitoring

ACE carries out joint research in the field of monitoring in order to eventually implement improvements in innovative vehicles. This requires collecting and analyzing realistic data about the design and operation.

Lightweight

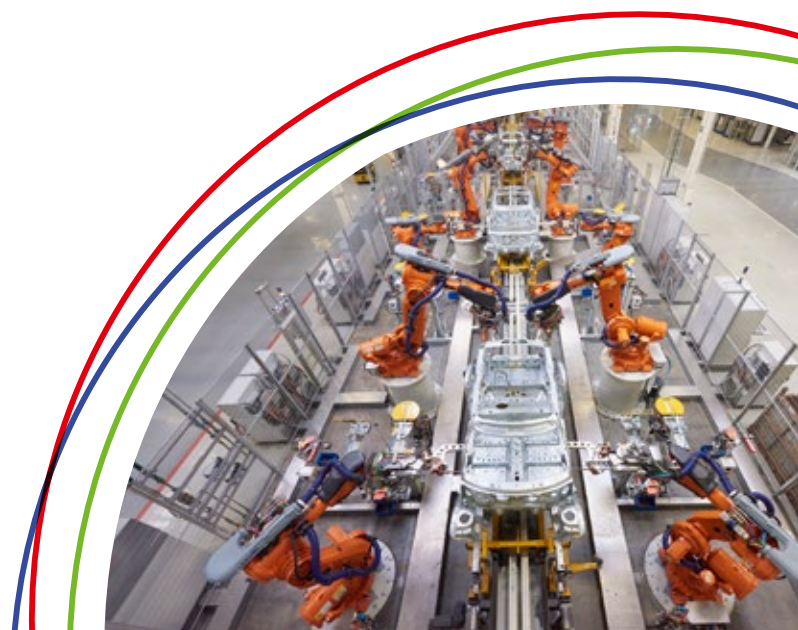
ACE performs joint research with automotive companies and the three Universities of Applied Sciences to identify opportunities for Fibre Reinforced Composites for safety critical automotive applications, which are designed for repair and recycling. Our aim is to research the application of lightweight materials in the automotive industry, making use of the pilot facility at IPKW (Industriepark Kleefse Waard). It gives us insides of high volume fibre reinforced manufacturing aspects (safety, process design, product demands, integration, etc.), Industry 4.0 and Virtual Twin technology.

Mobility as a service (MaaS)

ACE carries out joint research in the field of MaaS in which various mobility models and technical, logistical and economic opportunities are investigated. This helps to understand the dynamics of business innovation in terms of technology, business and policy. The ultimate goal is to build up 'common know-how' to develop profitable future activities. ACE's practice-oriented research agenda starts with the project 'Global Commercial Vehicle Drive to Zero'.

Masterclasses

Every year, ACE organizes several substantive Masterclasses. These classes are open to everyone in the automotive network. During these classes, experts discuss specific themes in the automotive industry.



Internationalization

The automotive sector is a global industry and the Dutch automotive companies operate completely international. The challenges that lie ahead are global and the knowledge that ACE develops and makes available is internationally applicable. We run international projects with partners in Europe as well in the United States.



**CONNECTING
THE AUTOMOTIVE
SECTOR**



automotive
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Automotive Campus 30
5708 JZ Helmond
the Netherlands

info@acemobility.nl

www.acemobility.nl

