Our Automotive Systems Designer,

Your technological solutions

Partnering with TU/e’s professional post-master program ‘Automotive Systems Design’ boosts your innovation capacity and gives your company the extra competitive edge it is looking for.

Eindhoven University of Technology (TU/e) houses a wide variety of technological expertise, top-notch research facilities, excellent researchers, and numerous spin-offs. With its various research programs, the TU/e ranks amongst the best universities in the world. Specifically for the automotive industry TU/e offers since 2011 a two-year post-master level engineering degree program (Professional Doctorate in Engineering, PDEng), specialized in Automotive Systems Design (ASD). This program represents the collaboration of the Automotive groups by the TU/e Automotive groups of four different departments of TU/e and is coordinated by the 4TU.School for Technological Design, Stan Ackermans Institute.

The ASD program focuses on the multi-disciplinary design aspects of project-based research and engineering in high-tech automotive systems. During the program the ASD trainees focus on the challenges being faced by the automotive industry: a systems approach to problems related to mobility and fuel efficient automotive systems, including communication systems and electrical driving.

Solving practical industrial problems

As part of this program, the ASD trainees participate in an industrial design / development project for a period of 10 months (module 5). For you, the industrial partner, such a project is a fixed-date, fixed-price project. This design project, which is focused on delivering solutions to your practical industrial (design) problem, enables industrial partners and TU/e to establish a close partnership. The ASD design trainees are highly skilled engineers who use the science available at the university to solve complex technological problems. The projects in module 5 will be defined by your company and executed by our ASD trainees; the result is usually a proof of principle, and/or proof of concept.

Scouting talent

Scouting and attracting talented engineers / designers allows your company to be a step ahead of the competition in terms of the employment market. Investing in and involving a talented ASD design trainee during the final project provides you the opportunity to get to know the trainee well and to find an optimal match within your company. Once the program has been completed, the Automotive Systems Designer is ready to join your company!

### Overview of program modules:

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The value proposition in a nutshell

Within this partnership, the TU/e cooperates with partners in the automotive industry willing to actively participate in this two-year program. The industrial partner defines a design project according to its own current state-of-the-art technology and hosts the trainee for the ten-month project period.

Benefits
The program delivers the following benefits for your organization:

- On-site execution of a real-life design project done by the trainee
- The intellectual property rights resulting from the design results, will lie with the industrial partner
- Visibility and access to potential employees (all ASD trainees)
- ‘Trial’ period of ten months enabling the partner to assess the match potential with the trainee
- Opportunity to hire excellent candidates, educated to Dutch standards, also for the international partner’s international sites.

Intellectual Property
Clear agreements about the intellectual property ownership are important. TU/e agrees to transfer all intellectual property rights to the industrial partners according to the mutual agreement signed prior to the start of the final project.

Publication rights
When performing projects for industry, the University still needs to fulfil its publication duty. However, where this may conflict your company interests, due to potential confidentiality issues, we will draw up custom-made agreements with you that always benefit your company.

Interested?
Contact the ASD program management for more detailed information regarding this program and your partnership with TU/e.

W: [https://www.tue.nl/asd](https://www.tue.nl/asd)

E: [asd@tue.nl](mailto:asd@tue.nl)

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1 All information regarding the financial agreements, involvement of the industrial partner within the final project as well as the intellectual property rights issues are part of the contractual agreement (‘TU/e standard TOIO contract’) between the Eindhoven University of Technology and the industrial partner.