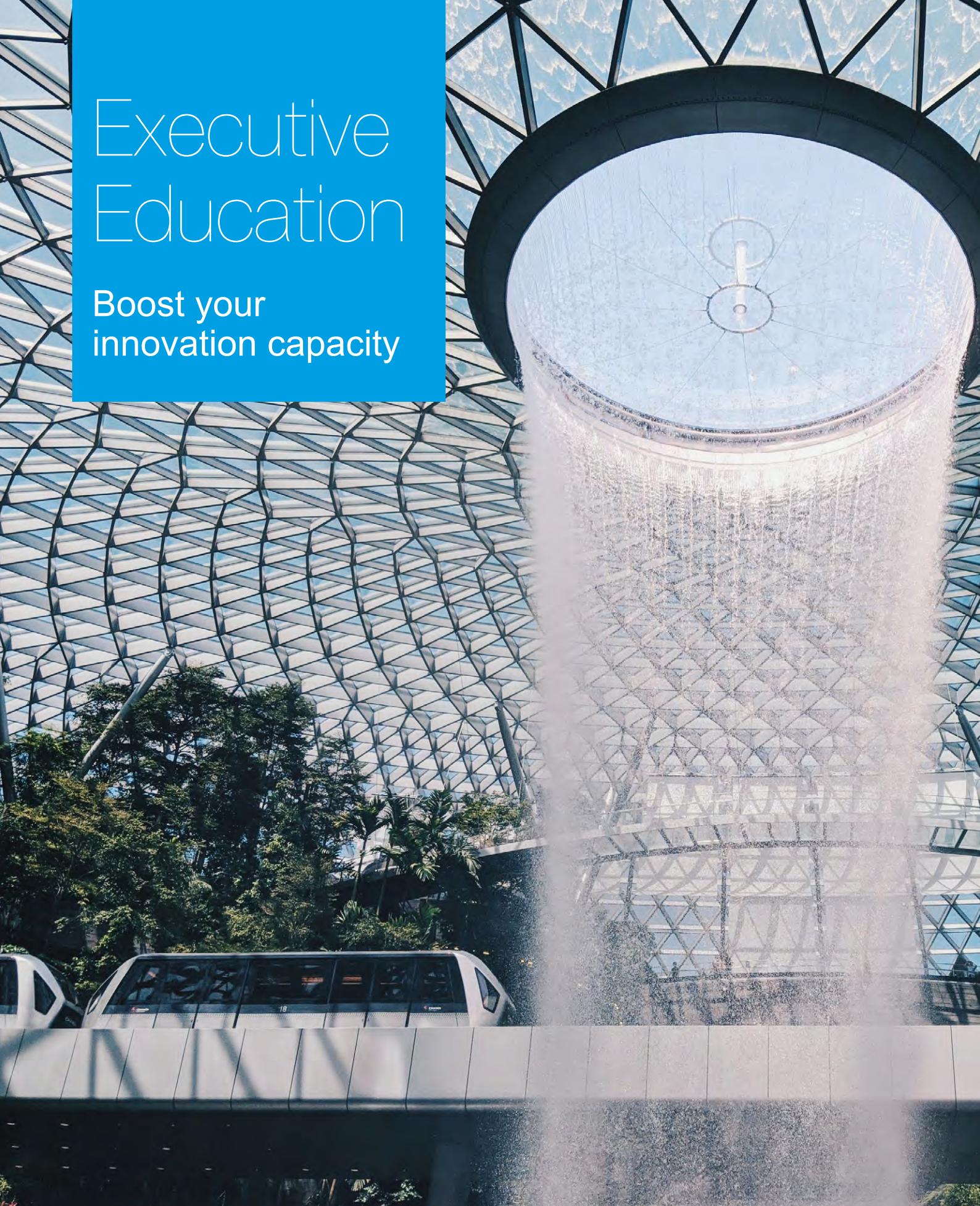


Executive Education

Boost your
innovation capacity





Build expertise in areas that matter most to you and your business

The development of radical new technologies and the speed of innovation is one of the most significant challenges for businesses. As a well-recognised top tech university, Delft University of Technology (TU Delft) is at the forefront of these developments. We consider lifelong learning and executive education an important instrument in creating the impact needed to solve

societal challenges. Based on our solid academic roots we offer leaders and their organisations programmes which enables them to boost their innovation capacity and achieve their goals. We provide a portfolio of open programmes and develop customised solutions tailored to your innovation challenges which can be delivered in-company or on our inspiring campus.

Gain insights into the latest technological developments and understand how you can turn threats into opportunities. Inspire your organisation and create impact for a better society!

Open programmes

In times of change and complexity, investing in broadening your horizon is essential. Employees play a crucial role in the success of your company. As your organisation's leaders anticipate the impact of

disruptive innovations they can choose from our portfolio of topic-specific programmes to best optimise opportunities and navigate obstacles ahead.

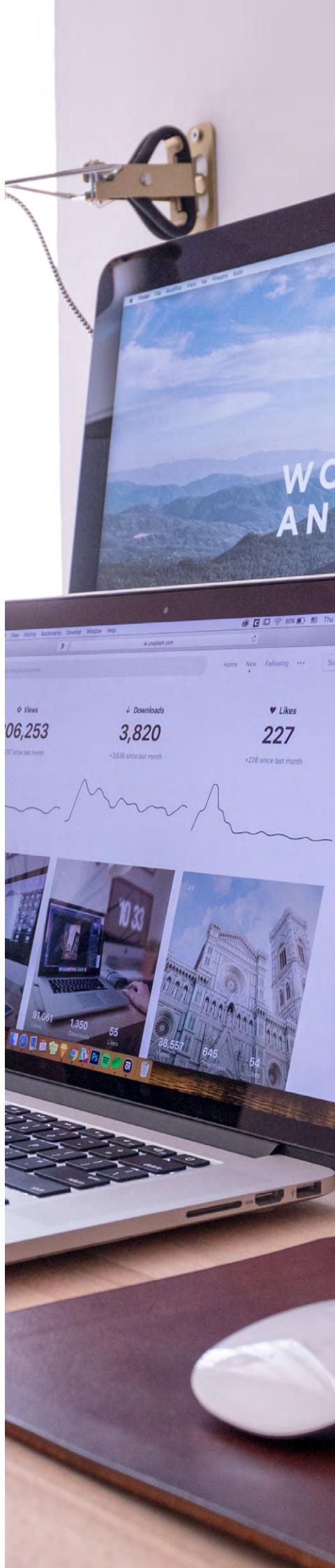
Customised programmes

Within our customised offering, we provide in-company training on a number of topics tailored to your context. We offer in-company training in designing Ethical and Responsible AI products and follow-up to our popular Digital Ethics by Design Masterclass in which we work on a specific case identified by you.

For specific and unique challenges identified by your organisation, we can tailor custom learning interventions to address your specific learning goals and organisational needs.

The programmes are designed and taught with the expertise of TU Delft academics from a range of faculties from computer science to engineering and policy management, enabling high quality and impactful courses. We can offer a wide variety of innovative in-person programmes at your company or online anywhere in the world.

For more information about our customised programmes, please reach out to Joost Hakhoff at corporate-innovation@tudelft.nl.





AI for Leaders

Unlock strategic value for your organisation

Artificial Intelligence (AI) is hot, everybody talks about it. The impact of AI on our society and businesses is growing significantly. However, many innovation professionals do not yet fully grasp how AI may benefit their organisation, and most do not have the technical know-how to provide proper guidance to an AI-based innovation process.

Master the foundations of Artificial Intelligence in order to unlock its strategic value for your organisation. Evaluate which use-cases are suitable and learn how to translate technology to a business model.

On completion of the programme you will know:

- What AI really is
- How to identify AI from reality
- Relevant domains within AI which should be considered (such as Machine Learning and Deep Learning)
- Strengths and weaknesses for different methods
- Considerations that should be taken into account when exploring the implementation of an AI system in your processes
- The tools to take into account ethical & responsible perspectives in engineering your AI solution

The programme looks at various approaches in the field. It offers a realistic perspective on their strengths and weaknesses, allowing participants to evaluate their application in new business strategies



and the implications for societal and economic issues it may raise.

Participant profile

This programme is designed for experienced upper and middle management operatives who see AI take a significant role in their business and those who wish to gain a grounding in the foundational mechanics of AI, which will allow them to accelerate their AI implementation.

PRACTICAL INFO

Dates: Jan. 14, March 18, May 13, June 24

Length: 4 days in total with intermodular activities

Location: Delft

Investment: EUR 5600 excl. VAT



Digital Ethics by Design

Create better products and services, with long-term benefits for companies, citizens and society.

New technological developments create significant opportunities but could also raise ethical challenges. Moral reflection on these ethical challenges plays a significant role in stimulating innovation. When our most deeply held values are at stake – values such as privacy, transparency, safety, security, trust, autonomy and well-being – ingenious new solutions are what we most need. Ethical reflection is, therefore, a significant driver for innovation. TU Delft has been at the forefront of developing ethical design methodologies through our Values Sensitive Design approach.

On completion of the programme you will know:

- The Values Sensitive Design

approach for the design of ethical digital products

- How to work with tools for ethical reflection in design
- How to design better and more innovative products
- How to achieve competitive advantage using the value sensitive design approach

Participant profile

This masterclass is primarily aimed towards experienced mid-level to senior-level managers in companies working on innovations in the digital domain.

It is also suitable for people working at a similar level for governmental and non-profit organizations.

We strive for a balanced group of participants who will benefit

from each other's experience and insights.

Bring design for values at the core of your company and the innovation process. Learn to work with tools for ethical reflection early in the innovation process to help prevent failed technology implementation because of rejection by society. Instead benefit by designing for values to create better products and services, with long-term benefits for companies, citizens and society.

This interactive masterclass is developed in collaboration with the Delft Design for Values Institute.

PRACTICAL INFO

Date: TBA

Length: 1-day interactive masterclass

Location: Delft

Investment: EUR 975 excl. VAT





Masterclass Agility

Our society is subject to increasingly rapid technological innovations requiring organisations to be agile in an ever uncertain and turbulent world. People and organisations that are agile can deal with change and are able to learn from this. They develop themselves in a way that is well-adapted to their environment. They are constantly looking for new challenges, actively asking for feedback, thinking of how they can develop themselves and can self-reflect.

During this Masterclass, you will experience what agility means to you through various interactive games. Through these games, we create a context that facilitates agile behaviour, and the iterative process shows the importance of

trial and error, feedback loops, communication and collaboration.

Our TU Delft experts will share their latest research insights based on real-world cases showing how you can effectively embed agile principles in your organisation to maximise their impact.

Participant profile

This programme is designed for individuals and teams who would like to increase their personal and organisation agility. This interactive masterclass is developed in collaboration with The Rookie Minds.

PRACTICAL INFO

Dates: January 27, 2022

Length: ½ day

Location: Delft or in-company

Investment: EUR 600 excl. VAT



Safe Infrastructures by Design

Digitalisation is a crucial aspect of our modern society, and it has found application in many domains, including our infrastructures.

There are clear benefits to this development. Still, it also significantly increases our infrastructures' dependency on its supporting communications infrastructure.

Damages due to malfunction in the infrastructure can have substantial societal, financial and reputational consequences, which can be challenging to restore. Therefore, it is vital to design and maintain our (digitalised) infrastructures to minimise this potential risk of failure. TU Delft Safety and Security Institute specialises in approaches which

ensure that our digital and physical infrastructures are designed and maintained in such ways.

During this Masterclass, we will offer a strategic perspective on ensuring your organisation's infrastructure is safe by design by focusing on three distinct elements:

- Risk Analysis
- Fortification strategies
- Crisis Management

Participant profile

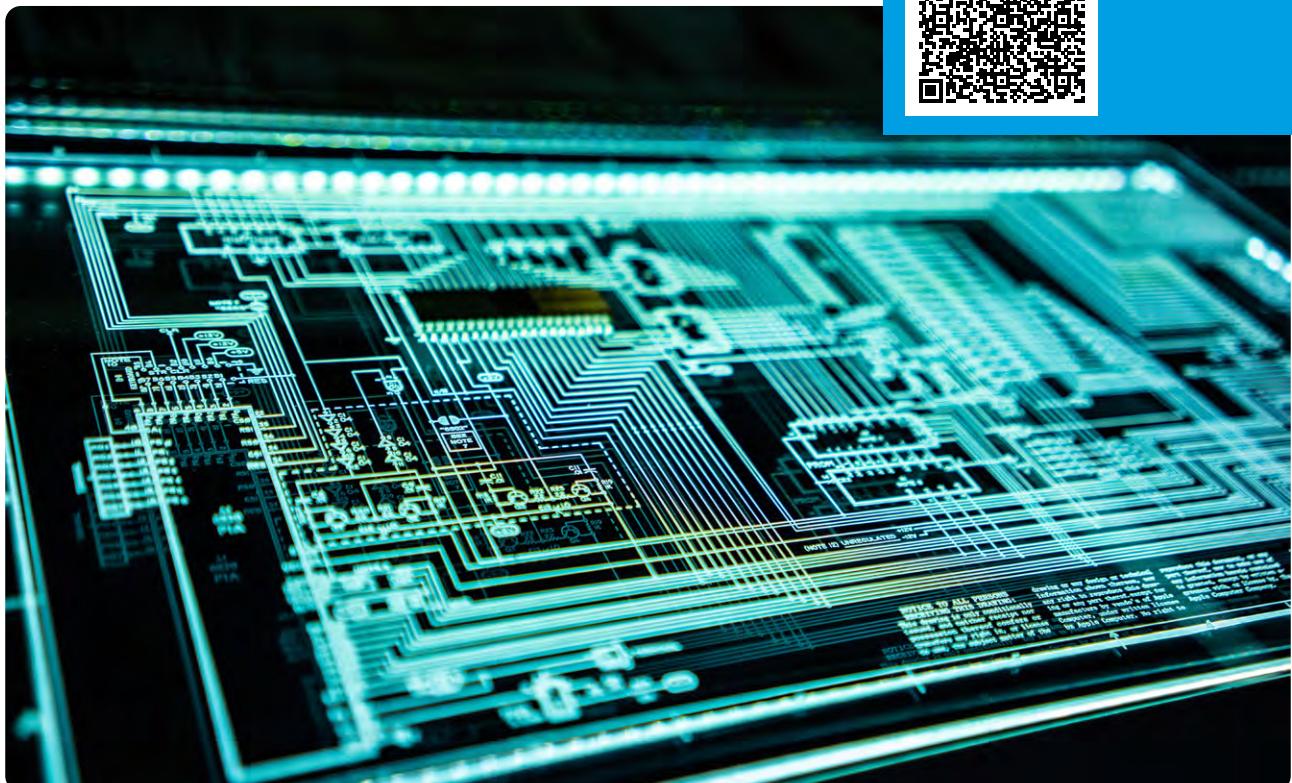
This Masterclass targets senior operatives within commercial and governmental organisations operating at a strategic level. The Masterclass will present the latest perspective from academic research

and discuss the application of these perspectives through practical cases. You will share experiences with peers, and there will be networking opportunities.

Those organisations that recognise the crucial role their (digital) infrastructure has to their business or society as a whole do not want to miss out on this Masterclass!

PRACTICAL INFO

Date: TBA
Length: 2 days
Location: TBA
Investment: TBA



Robotics – Digitalising Physical Work Processes



Digitalisation is a crucial aspect of modern business, finding applications in a wide range of domains and fields. When looking at the digitalisation of physical work processes, robotics can play an important role. With their embedded Artificial Intelligence, robotics solutions sense their surroundings, process information and (inter)act with the world.

Implementing robotics into the human world of physical work has clear potential benefits: increased quality and productivity and improved employee happiness as it will replace repetitive and heavy work with meaningful, less harmful work.

Before implementing robotics, it is essential to define the business case properly. This requires insight into: the technical feasibility and possibilities, the effect on the work process, employee satisfaction, developing and defining the impact on productivity and the impact on the organisation as a whole.

In order to enable leaders to effectively explore potential robotics applications, TU Delft and fieldlab RoboHouse have developed a one-day Masterclass which will focus on the following elements:

- **Robotics State-of-the-Art:** An introduction to the available tools and technologies, with an outlook into the near future.
- **Defining the business case:** Defining key elements to con-

sider when developing robotics use-cases and business cases, providing a framework to build your business case.

- **Involving the work-floor:** How to involve the employees on the work floor to improve the successful implementation of new technology.

Participant profile

This Masterclass targets senior operatives within commercial and governmental organisations operating at a strategic level. The Masterclass will present the latest perspective from academic research and discuss the application of these perspectives through practical cases. You will share experiences with peers, and there will be networking opportunities.

This masterclass is offered in cooperation with the RoboHouse fieldlab and available as open programma or as in-company training. An in-company training allows for tailoring to specific industry or organisational contexts.

PRACTICAL INFO

Date: March 31, 2022
Length: 1 day
Location: RoboHouse, Delft
Investment: EUR 975 excl. VAT





About us

Our executive education programmes are part of the Corporate Innovation team of the Delft University of Technology.

We believe we need new answers to global challenges. These challenges transcend borders and defy boundaries. Solving them requires complex technological innovations. No company, industry, government or research institute can develop or successfully introduce such innovations independently. We connect the core of the Delft University of Technology and its Campus ecosystem to businesses to innovate together.

For more information or questions, please reach out to Joost Hakhoff: corporate-innovation@tudelft.nl

