# Facts & figures Fontys

- 46,000 students
- 5,000 staff
- 10 cities
- 89 bachelor's programmes - 23 English (full-time, part-time and dual)
- 28 master's programmes
- 15 associate degrees
- 41 lectorates

**Fontys Pulsed - a very innovative Academy** within Fontys University of Applied Sciences.

FONTYS PULSED (ACADEMY OF FONTYS UAS) SHOWS THE FUTURE OF HIGHER EDUCATION

BV
BRIGHTVIBES

# Fontys Pulsed Academy
## Eindhoven, the Netherlands

# International strategy

# What are we working towards?

**+** **Integrated Blended Intensive Programs
as part of our curriculum**

**+** **Increasing international collaboration** Interdisciplinary, Design Based and
Challenge Based Learning

**+** **Sharing our innovative educational approach within Europe –
Challenge Based Projects.**
(Challenge Weeks, COILs,HEROES consortium)

# Fontys Pulsed Academy
## Eindhoven, the Netherlands

# Our Minor and Master programs

# Minor Embrace technology + entrepreneurship + creativity

# need-to-knows

**+** **brainport region: Eindhoven**

**+** **minor program of 20 weeks**

**+** **runs two times per year**

**+** **zero exams or grades**

**+** **hands on**

**+** **take out what you put into it**

"the future will be written by self-directed professionals who can excel in the world of constant change"

➜ an international exchange program that blends cultures, disciplines and experiences

→ uncover your own uniqueness and personal talents

➡️ learn to go from idea to product by using Design Thinking

➜ get 1:1 personal coaching to kickstart your future (career)

→ pulsed for good

- Challenges that focus on solutions to current dilemmas in society.
- Experience worlds often hidden away.
- Work with 'real' people and shape your personal identity and future professional choices.

➜ tracks

Work alongside the challenges on your own track. Based on newly gained awareness and your own fascinations plus frustrations, you choose your own personal project and get guidance along the way.
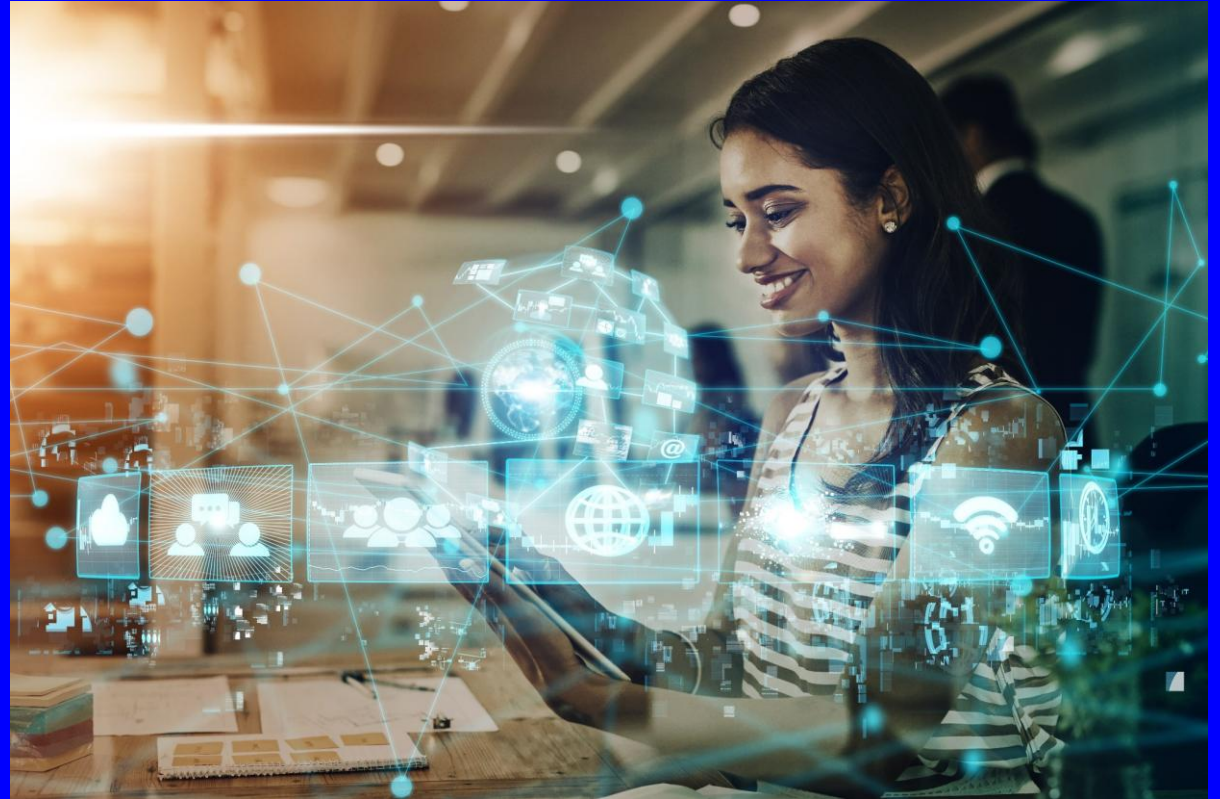
entrepreneurship

personal purpose

making impact

# Master
# Digital
# Technology
# Engineering

# What is a Digital Technology Engineer?

➜ Digital Transformation Leader

➜ Innovation - fast changing technology

➜ Complexity - integrated solutions and systems

➜ Deal with high degree of uncertainty - interdependency

➜ Human centered approach - managing change



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**What is needed to enable digital transformation in a highly complex and fast changing context?**

# Basics about our MDTE

→ Master Digital Technology Engineering

→ No pre-master required

→ 120 EC

→ Full-time, start Sept 2025
  → Part-time in the making

→ English

→ MSc

→ Influx: Bachelor Engineering +
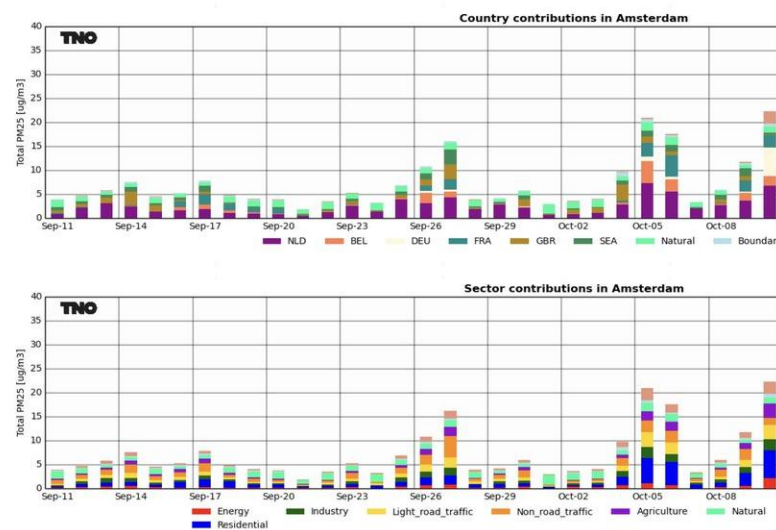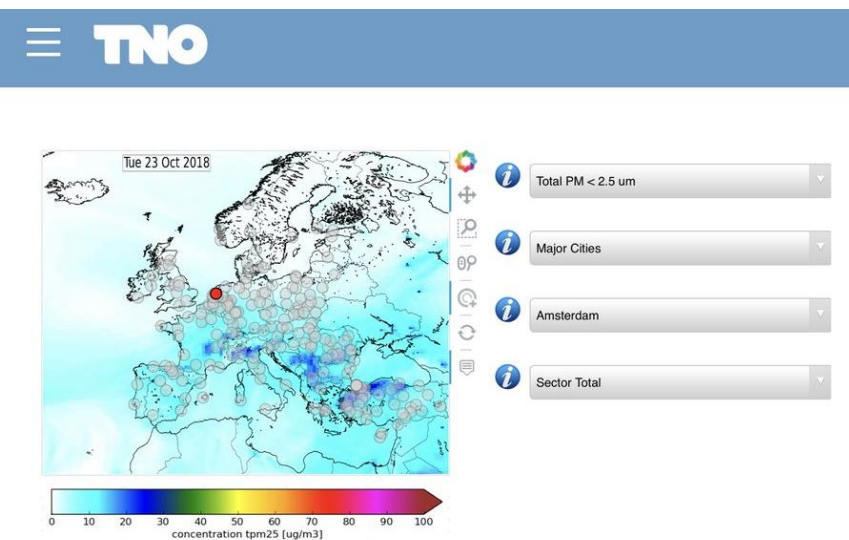  Bachelor ICT + Applied Physics



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# Developing new applications

How can we use digital and physical tools to improve student's productivity?
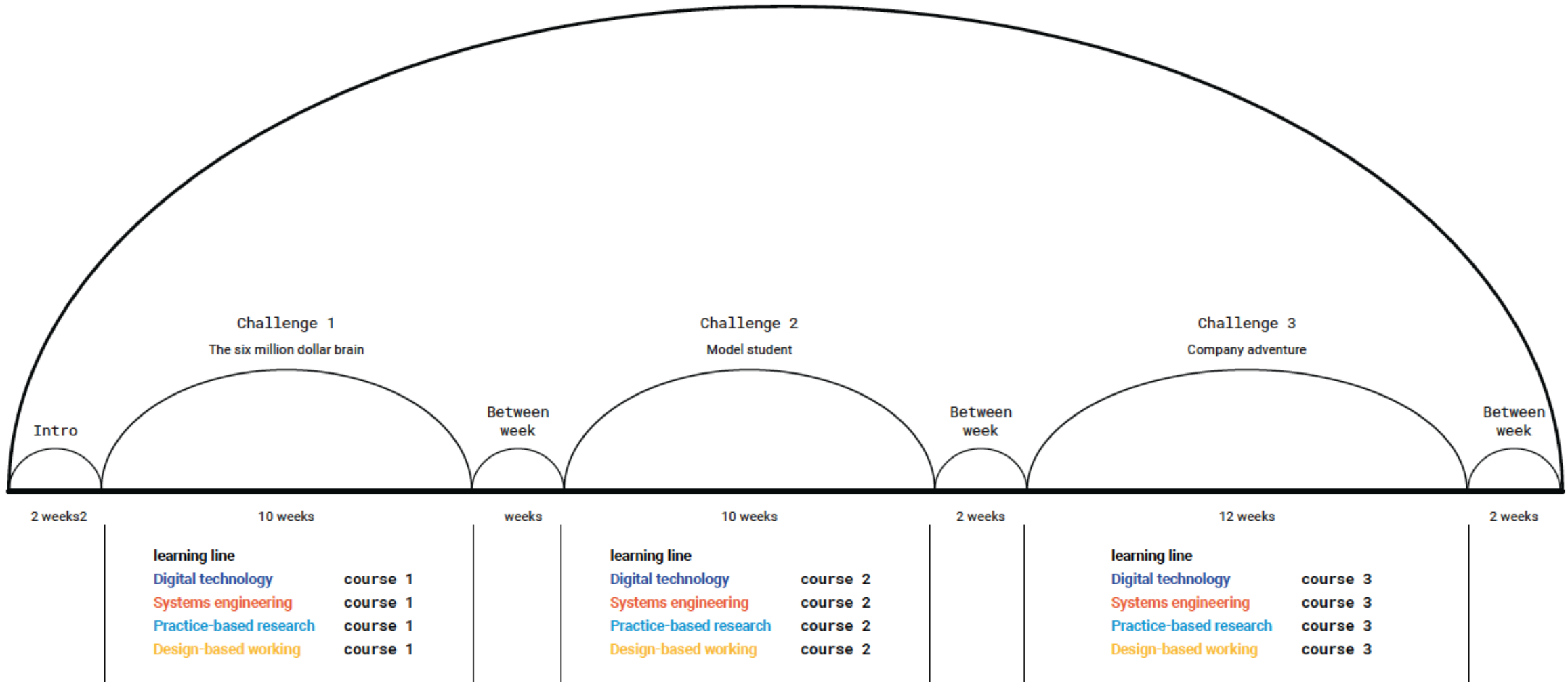
# Meaningfulness of data

# Relevant companies

➔ Technological, focus on application of digital technologies
e.g. Philips, ASML, TNO

➔ Technological supplier, focus on (non-) technological companies
e.g. TMC, Sioux, MTA, VDL

➔ Non-technological, increasingly dependent on technology
e.g. CSU, Eindhoven municipality


Welcome to Brainport Eindhoven

BRAINPORT EINDHOVEN

# Learning Lines

# Learning outcomes – year 1

Intro

**Challenge 1**

The six million dollar brain

Between
week

**Challenge 2**

Model student

Between
week

**Challenge 3**

Company adventure

Between
week

| 2 weeks | 2 | 10 weeks | weeks | 10 weeks | 2 weeks | 12 weeks | 2 weeks |

**learning line**

| Digital technology | course 1 |
| Systems engineering | course 1 |
| Practice-based research | course 1 |
| Design-based working | course 1 |

**learning line**

| Digital technology | course 2 |
| Systems engineering | course 2 |
| Practice-based research | course 2 |
| Design-based working | course 2 |

**learning line**

| Digital technology | course 3 |
| Systems engineering | course 3 |
| Practice-based research | course 3 |
| Design-based working | course 3 |

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# Contact us about:

- Embrace TEC
  sending exchange students for the minor program

- Master Digital Technology Engineering
  international students who are interested in
  a master degree in the Netherlands

- Exchanging educational knowledge
  about inter/multidisciplinary education,
  challenge based and design based learning

**SCAN ME**

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**Connect with us either via our website:** Fontys Pulsed | Our programs

**Yelda Öztürk – y.ozturk@fontys.nl (Personal and professional identity educator)**

**Milou Kauffman – m.Kauffman@fontys.nl (Internationalisation expert)**

**Fee information:** Finance (fontys.edu)


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