UNIVERSITY OF PROFESSIONAL DOCTORATE IN ENGINEERING.
PDEng - Professional Doctorate Engineering

- Post-MSc technological designer programme
- Two-year programme
- Certified degree PDEng
To educate
High-end, creative and innovative technological designers
Solutions for
Complex problems with a multi-disciplinary character
PDEng

- Complex technological design project
- Educational programme @ UT
- Design project @ company
- PDEng trainee employed by
  - UT
  - Company
- Receive salary
- Supervised by company and UT
- Hire by assignment
Educational programme

- Professional Development courses
- In-depth and broadening courses
- Short projects
First year

Professional development courses (~10%)

Deepening and broadening courses (~40%)

Second year

Design Project (~50%)
Design project

- Integration of knowledge in assignment
- Large multidisciplinary design project
- Scientific supervision from the university
Civil Engineering

- Infrastructure
- Transport
- Water management
Energy & Process Technology

- Nutrition
- Energy
- Process
- Materials
Maintenance

• Failure behavior
• Condition monitoring
• Physics based data analysis
• Life Cycle costs
• Logistics
Robotics

- Safety and Inspection Robotics
- Medical and Rehabilitation Robotics
- Industrial Robotics
**PDEng trainee**

- Employed by
  - UT
  - Company
- Receive salary
- Educational programme at UT
- Design project at customer
- Supervised by customer and UT
- Hired by assignment
FINANCE

Annual fee for companies

- payroll @ UT: 32.5k€
- Payroll @ company: 15k€
VALUE PROPOSITION COMPANY

• Solution for complex technological design
• Partly tailor made educational programma
• Talent scout and effective recruitment
• Multidisciplinary high-end designer
• Knowledge exchange company and UT
• Favourable IP arrangement for company
• short project (2 years) - UT
VALUE PROPOSITION UT

- extent the relations with the business community
- An excellent way for industrial innovation
- Inspiration by real industrial problems
- Train MSc students as PDEng
- Knowledge exchange company - UT
UNIVERSITY OF TWENTE.