TU/e EngD Program SMART BUILDINGS & CITIES

INFORMATION FOR INDUSTRY

Why EngD? (Engineering Docter) – formerly PDEng

Partnering with TU/e's professional 2 years post-master program Smart Buildings & Cities boosts your innovation capacity and gives your company the extra competitive edge it is looking for. Is your company facing a technological problem that needs solving or a challenging design issue that needs unraveling? A SBC EngD trainee may be an attractive option. This program offers you the possibility to hire a young professional who can design and develop complex new products and processes and offer innovative solutions to your technological design issues.

Focus areas

- A carbon neutral city designing of intelligent and energy efficient building components and concepts; renewable energy generation and storage in the built environment; intelligent networks aimed at matching supply and demand.
- A climate proof, healthy and circular city designing buildings and cities that mitigate the effects of climate change; are based on the principles of circular economy; promote healthy living and to improve quality of life in the built environment.



Curriculum SBC

- Design Company project 1820 hours
- Design Case study 280 hours
- Entrepreneurship 280 hours
- Professional Development 280 hours
- Technical Knowledge 700 hours

Total in two years – 3360 hours



4TU.School for Technological Design STAN ACKERMANS INSTITUTE

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Trainees

PDEng trainees work at their company project and parallel to that they are taking part in different courses provided by TU/e. These courses help them to improve their design skills, professional skills (communication, teamwork, management, entrepreneurship) and their individual disciplinary knowledge related to their project and their background to deepen and broaden their knowledge.

Added value for the industry

Design projects (products or processes) are excellent opportunities for companies that are faced with a challenging design problem or want to solve a technical problem in a fixed period of two years.

Trainees

- work under supervision of TU/e professors and researches together with a coach from your company
- have access to state-of-the-art scientific knowledge
- understand the entrepreneurial challenges of your project
- are selected from a large pool of high potential candidates
- in many cases trainees become employee of the companies after finishing their PDEng program
- these projects establish/strengthen the contact between the university and the industrial client

Funding opportunities (subsidies)

It is possible to get a funding for practical learning from RVO.

More information: https://www.rvo.nl/subsidies-regelingen/subsidieregeling-praktijkleren and

https://www.rvo.nl/subsidie-en-financieringswijzer/subsidieregeling-praktijkleren/voorwaarden/promovendien-toios

Interested?

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