

# The 'REFLECTIVE ENGINEER' Programme

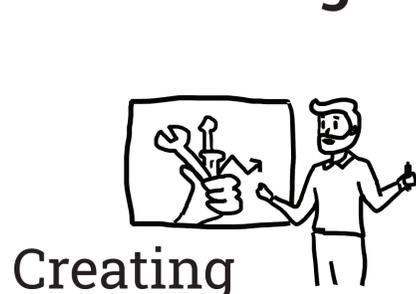
A TU Delft programme to build a foundation for embedding reflection in education at TU Delft so that we can teach the next generation of responsible engineers who can contribute constructively to, and cope with, the challenges of our time.

At TU Delft, we educate the engineers of the future. And that comes with responsibilities. Every day, we at TU Delft prove that we deliver good engineers to society. But do our engineers also meet the demands of our rapidly changing society, are our engineers equipped to deal with uncertainties, to work with other disciplines to find co-created solutions to complex problems, are they equipped to continue to develop after university, to be critical and open to new and different insights?

Embedding reflection does not mean that we transform our lecturers into coaches or therapists. It does mean that we pay attention in an appropriate way to:

- dealing with yourself (e.g. making conscious choices, dealing with uncertainty)
- dealing with others (e.g. cooperating and being open to help)
- dealing with work and content (increasing disciplinary learning yield, for instance by establishing active connections).

## Three Programme Pillars



### Creating

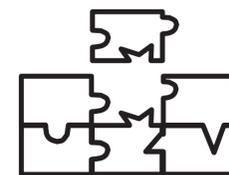
Co-Creating with enthusiastic lecturers and students to implement reflection in existing education. Building upon existing initiatives and existing challenges, leaving room for different approaches.

- Bottom up
- Custom made
- Time released
- Relevant for lecturers and students

### Educational Research



Design-oriented research is the innovation strategy we apply in the Reflective Engineer programme. Where possible, we design evidence informed. In addition, we conduct scientific educational research into what the conditions are for successful implementation of teaching 'Reflection'.



### Embedding

Parallel to creating and researching, we are constantly working to ensure that what we create can be embedded within existing structures and the normal organisation. The educational organisation is an important stakeholder in all innovations.

## The Programme 'The Reflective Engineer' is starting!

Share your ideas & practices and let me know if you want to contribute to Creating, Researching & Embedding reflection in Engineering Education!

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