

4TU. Responsible Sustainability Challenge

A **15 ECTS** Honors master project
challenging motivated and talented
students in creative problem solving.

Multidisciplinary real-life challenge

Cooperation with external organisations

Academic and professional network

Inter-university collaboration



A COLLABORATIVE TRACK

- Initiative of **4TU**.Centres of High-Tech Materials; Energy; Ethics & Technology
- Students from the universities of **Delft, Eindhoven** and **Twente**
- Combining groups of students, teachers and researchers
- Based in **practice** with real-world challenges from organisations



COURSE REDESIGN

UNIVERSITY
OF TWENTE.

- Based on wide review of processes of the last two years
- Making the course more **sustainable** in the long run
- First module at the UT, second semester together with Delft and Eindhoven
- First module (Q2) at the UT
- Learn reflection and professional skills
 - 5 ECs
 - At the UT
- Challenge during (Q3 and Q4)



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FIRST MODULE

- Focused on learning skills for your challenge
 - Critical thinking
 - Sustainability perspectives
- “Book club” method
 - Read books which challenge your perspective
 - Share your experiences with fellow students
 - Reflect on engaging with different perspectives
- Guest lectures to help you along
- Engaging as a learning community
- Taught through evening sessions at the UT

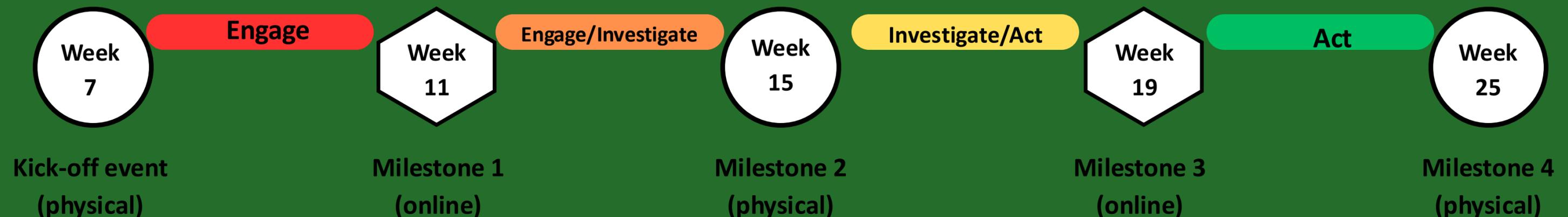
SUSTAINABILITY AS A CORE CHALLENGE

THE CHALLENGE

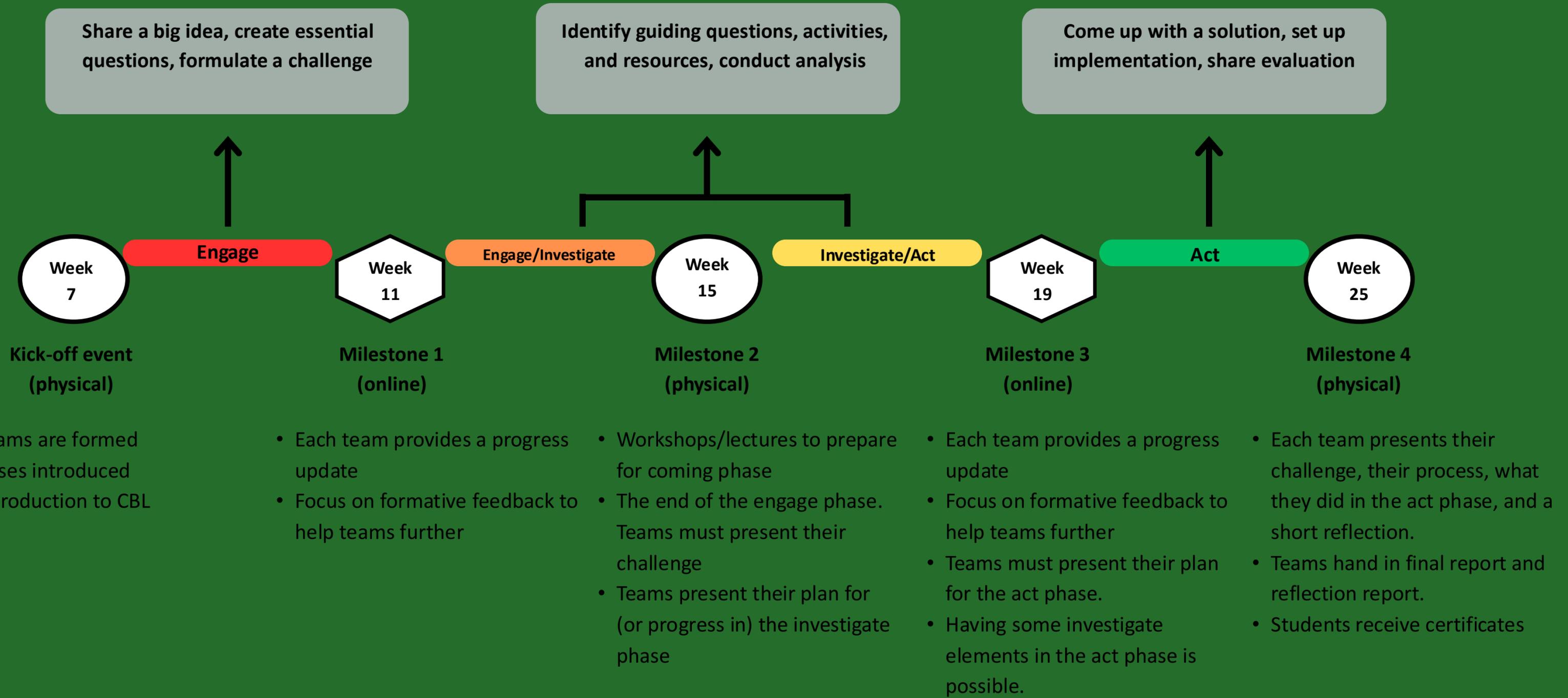
- Groups of **5-8 students** mixed between universities
- Cases from **practice** – collaboration with organisations
- **Challenge-Based Learning**: ‘engage’ – ‘investigate’ – ‘act’

WORKSHOPS

- Understanding your case
- Project & stakeholder management, academic skills, utilising multidisciplinary...
- Practical, engaging and inspiring
- Visiting universities of **Twente, Delft** and **Eindhoven!**



CHALLENGE-BASED LEARNING



EXPERIENCES PREVIOUS YEARS



EXPERIENCES PREVIOUS YEARS

UNIVERSITY
OF TWENTE.

QUANTUM
energy & engineering

Heliostrorme

Twence[®]



PRACTICAL DETAILS

WE ARE LOOKING FOR STUDENTS:

- Who want to experience working together with external **organisations** as well as **other universities**
- Who enjoy **freedom, responsibility** but also want a **structured routine** of workshops and coaching
- Selecting **10** ambitious and motivated **students** from Twente!

INFO SESSION AND APPLICATION

- **20 OCT:** application deadline
- **12 NOV:** start of the track
- **Week 7 2025:** Kick-Off inter-university challenge



PRACTICAL DETAILS

Want to apply?

- 20th of October deadline (23.59)
- CV, motivation letter, Osiris study progress

Want to know more?

- Visit utwente.nl/honours
 - Slides and recording
- Scan the QR code
- Contact honours@utwente.nl or m.shahi@utwente.nl



