Welcome
Introduction participants Bochum – Delft
Lunch

Agenda proposal
- Your focus and wishes
- Introduction TU Delft – Hans Beunderman
- University campus strategies – Alexandra den Heijer
- The BK city case theory/practise – Alexandra den Heijer and Dennis Cruyen
- Discussion
- “Grand tour” BK city
- Closing: observations and drinks
- OPTIONAL: visit to TUDelft Library

TU Delft 170 years!
History & Mission

• TU Delft was established in 1842 by King William II
• TU Delft is the oldest and largest University of Technology in the Netherlands

With its unique technological infrastructure, broad knowledge base, worldwide reputation and successful alumni, TU Delft is contributing significantly to the development of responsible solutions to urgent societal problems in the Netherlands and the rest of the world

Universities in the Netherlands
TU Delft largest university of technology

• 13 NL universities
• 3 universities of technology: 3TU
• MoU with Leiden and Rotterdam
• Programmes in science, design and engineering

Strategic institutional agreements

IDEA League
BNR - Budapest University of Technology and Economics (Hungary)
Chiba University (Japan)
Kyoto University (Japan)
Osaka University (Japan)
University of Tokyo (Japan)
Bandung Institute of Technology (Indonesia)
National University of Singapore (Singapore)
The Hong Kong Polytechnic University (Hong Kong)
KAIST (South Korea)
BME - Budapest University of Technology and Economics (Hungary)
NTNU – Norwegian University of Science and Technology (Norway)
UT – Middle East Technical University (Turkey)
Moscow State University (Russia)
Tsinghua University (China)
KTH Royal Institute of Technology (Sweden)
University of Texas (Dallas)
Heriot-Watt University (Scotland)
National University of Singapore (Singapore)
Korea Advanced Institute of Science and Technology (South Korea)
Kingston University (Hong Kong)
Ecole Polytechnique (France)

Facts & Figures

**Education**

- 38 Master's programmes
  - Including: Civil Engineering, Aerospace Engineering, Applied Earth Sciences, Computer Science, Telecommunications, Systems & Control, Architecture & Built Environment

**Research & Finance**

- Academic staff incl. 1600 PhD
- Support staff
- PhD degrees
- Academic/specialist public
- High-tech start-ups
- Funding directly from government
- Indirect and contract funding

**TU Delft Facts & Figures**

- More students, international, more women... cultural effect

**Education**

- An international community
Studying
First in ICT for students

The first Dutch university with lectures on iTunes. More than 350 audio and video files.

Open course ware for students, teachers, and all who are interested. "After MIT, the best provider of open course ware is TU Delft!"

Visitors from 173 countries in 18 months.

TU Delft Engineering
World-class research

Henk Jonkers
Self-healing concrete

Frans van der Heijde
Biorobotics

Han Vrijling
Living safety in a delta

Miggladze Chelarava
Mitochondrial engineering method

Challenge the future

TU Delft Design
World-class research

Richard Jonkman
The ethics of technology

Hubert Silvester
Network visualization

Jeroen van den Hoven
The ethics of technology

Dandy Innovative

Henk Jonkers
Self-healing concrete

Frans van der Heijde
Biorobotics

Han Vrijling
Living safety in a delta

Miggladze Chelarava
Mitochondrial engineering method

Challenge the future

TU Delft Science
World-class research

Lou van der Sluis
Underground high voltage cables

Wim van der Sluis
Sustainable underground high voltage cables

Tim van der Hagen
Developing sustainable nuclear energy

Henny Zandbergen
Electron microscopy

Challenge the future

Delft Research Based Initiatives
horizontal connections!

The DRBs foster opportunities for researchers from different faculties to work together on urgent social themes.

They provide society with better insight into TU Delft’s research and bring together research groups from across the campus.

Research facilities examples
opportunities to share!

High-voltage engineering laboratory
Clean room (DINES)
Wind tunnels
Water basins for coastal and marine research
Experimental Nuclear Reactor
Aerospace facilities (e.g. jet plane, flight simulator)
Radar and telecommunication test facilities
**TU Delft to the market**

The many TU Delft spin-offs originate within the University, often they emerge from fundamental and applied research.

**TU Delft**

**Challenging the Future**

- Engineers broadly trained
- Research into urgent societal problems
- Spin-offs to the market
- Research facilities for many purposes
- Brain power from across the world
- Active and committed students

**Campus perspectives**

Transformation zones:
- TU North
- Schieovers
- Schoenmakerstraat
- Technopolis
- Mekelpark/campus

**Activating “Campus-City” Delft**

1= housing; 2= BK-City; 3= hotel; 4= Mekelpark hotspots; 5= sports&culture

**Science Port Holland - Technopolis**