Campus development TU Delft

Aarhus University delegation – March 6th 2017
Bart Valks

b.valks@tudelft.nl

Policy Officer at Facilities Management and Real Estate; Researcher at Faculty of Architecture

Alexandra den Heijer

a.c.denheijer@tudelft.nl

Associate Professor at Faculty of Architecture, TU Delft

http://managingtheuniversitycampus.nl
“TU Delft’s mission is to make a significant contribution towards a sustainable society for the twenty-first century by conducting groundbreaking scientific and technological research which is acknowledged as world-class, by training scientists and engineers with a genuine commitment to society and by helping to translate knowledge into technological innovations and activity with both economic and social value.”
Creatieve sessie 4 december 2014

Hoe werkt de TU Delft aan een living campus?

Zichtbaarheid

Tussen de oren

Extra levensgoed

Cultuur aanbod

Horeca

Huisvesting

Bereikbaarheid

Leven en wonen om campus

Contact met beroepspraktijk en inspirerende sprekers.
+ Europe's knowledge economy accommodated in cultural heritage buildings

+ European “univer-cities” are considered attractive places to live, work, be...

Disablers for Europe 2020

- 50% or more, from 1960s/70s, in bad functional / technical state: reinvestments required

- Low utilization rates: high vacancy rates of offices, laboratories, classrooms
Student population NL

2000: 164,804
2015: 258,054
+57%

Public funding per student NL

2000: €19,500 per student
2015: €14,300 per student

Ambitions in gevaar

Als universiteiten meer studenten moeten opleiden voor minder geld, heeft dit gevolgen voor het wetenschappelijk onderwijs én onderzoek inclusief de toepassing van nieuwe kennis. Ambities zoals kwaliteitsverbetering, profileren en academische vorming komen hierdoor in gevaar.

Om Nederland tot de top van de wereld te laten behoren, is extra geld voor wetenschappelijk onderwijs en onderzoek hard nodig.

Source: [http://www.vsnu.nl](http://www.vsnu.nl)
https://www.youtube.com/watch?v=5JtHdchJ4o8; Also google: towel balance
Revision of the Estate Strategy

- Increase of # students and PhD candidates leads to higher occupancy of the estate portfolio
- Space for temporary relocation in portfolio evaporates
- Decrease of available space for relocation leads to delays in renovation and divestment projects
- Increasing pressure to retain 'License to operate'
Space types in portfolio

Current

Reference

Legend:
- Education
- Research
- Offices
- Supporting
- Other
- Tarra

Current
- Education: 11%
- Research: 12%
- Offices: 32%
- Supporting: 14%
- Other: 20%
- Tarra: 11%

Reference
- Education: 10%
- Research: 21%
- Offices: 25%
- Supporting: 9%
- Other: 19%
- Tarra: 16%
TUD Campus - 2017

Keep

Transformation (renovation or new buildings)

In progress
“The built environment can support innovation in technology campuses by using strategies that support the process of knowledge creation and diffusion in two ways. First, the design strategies of technology campuses can be used to deliberately accommodate in close proximity various users, whose activities and knowledge are close in relation. Second, the management strategies of technology campuses can be used to optimise such proximity while creating the opportunities for users to share activities and therefore, to strength the closeness of such relations.”

Technology campuses and cities – Flavia Curvelo (2016)
Study programmes
EPA to The Hague
The Nuon Solar Team
Six time winner of World Solar Challenge
Winner of SpaceX Hyperloop Pod Competition
Winner of the 2016 Amazon Picking Challenge
Welkom op de QuTech National Icon 2014
European Flagship Programme on Quantum Technologies (€ 1 billion)
Offices & biotech labs
Top 10 incubators worldwide
> 180 companies
€ 316 mln total funding