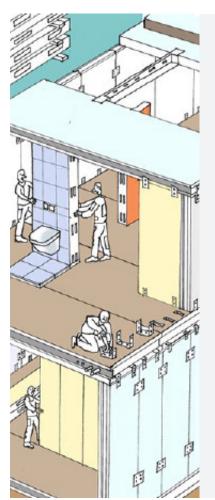# Architectural Engineering

MSc3/4 aE Graduation Studio: *Framing the freedom*

Tutors:

Anne Snijders
Mo Smit
Mauro Parravicini
Stephan Verkuijlen
Thomas Offermans

Code	AR3AE100
Credits	55 ECTS
Location	diverse
Excursion	yes
Costs	-

Collaborators:

MaCuB

BOUW R&DO LAB

THE NEW MAKERS

Open Building

LANDSCAPE ARCHITECTURE

BOUWTUIN

atelier RIJKSBOUWMEESTER

In the Architectural Engineering graduation studio we are looking for innovative solutions in engineered architectural design, while encouraging students to explore their role as architects in todays societal challenges.

OPEN BUILDING
The global need for more housing requires a smart and integrated approach. With which systems do we deal; how can we compose with components; how do architecture, technology and flexible use go together? How do we use robots and CNC manufacturing techniques for this purpose? How do we integrate the influence of users; can we make better adaptable, smart and energy efficient housing systems?

SECOND LIFE
Second Life puts a second life on the agenda for Post 65 buildings and in particular from the period 1965-1995. Many of these buildings are in the spotlight locally and will be given a different function or renovation in the near future. When demolition is no longer an option.

HARVEST
The question how circulair design strategies and principles can contribute to valuable landscapes, villages or urban neighbourhoods is central to the harvest assignment. Students work on nature inclusive architectural design solutions, using the energy transition as leverage for a renewed and healthy living environment.

The program is lead by three research by design domains: flow, stock and make.

There is a strong focus on the development process as part of the design strategy. What does it mean for the process when community, entrepreneurs or other stakeholders are involved in the development? Which forms of synergy are possible between people, animals, cycles and spatial ingredients? Which value does a holistic design approach ultimately yield for the built environment?

https://books.bk.tudelft.nl/press/catalog/series/AE