

Panteon  
A sustainable  
light concrete  
building

# Sustainable Light Concrete Structures

A development area at DTU Civil Engineering.  
The aim is to save resources and give flexible solutions which are applicable in practice

## We want to:

- Save resources, energy, and CO<sub>2</sub> in the building sector.
- Give solutions, which can be implemented in practice.
- Show how to meet many functional requirements.
- Provide flexible solutions.
- Give more space, longer spans, interesting architecture, better fire safety, improved in-door climate, and better acoustics.
- Use the potential of new materials like high-strength concrete and carbon-fibre by solving their special design problems.

## Technologies:

- Light concrete structures.
- Light concrete based sandwich structures.
- Super-Light structures.
- Pearl-chain structures.

## Teaching:

- 11050 Super-Light structures course.
- + Parts of other DTU courses.
- + Final Projects.
- + PhD Projects.

## Startup Companies:

### Abeo

(Super-Light SL-Decks, Pearl-Chain Bridges)

### Abeo Awards:

World's Best Cleantech Startup  
Europe's Best University Spin-out

### Connovate

(Sandwich facade wall systems)

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Designed with  
SL-Decks

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