

# Complex Projects

## MSc2 Design & Research Studio: Building Visions



An image from "FLOWCITY: a new era for mobility" video installation at 2019 Bi-City Biennale of Urbanism/Architecture in Shenzhen which traces the evolution of Schiphol Terminal design process. Source: RNDR & KAAAN Architecten

Spring semester 2024

### Tutors

Kees Kaan

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|            |                     |
|------------|---------------------|
| Code       | AR2CP011            |
| Credits    | 15 ECTS             |
| Location   | Copenhagen          |
| Excursion* | Yes (not mandatory) |
| Costs      | 300-500 Euros       |

|                             |                   |
|-----------------------------|-------------------|
| Project type                | Multidisciplinary |
| Approved Master 2           | Yes               |
| Architecture design project |                   |

\*only in the EU, green/yellow zones are allowed

MSc2 Design and Research studio investigates buildings in the age of **novel technological conditions**. The advancements in the use of open data, the assistance of artificial intelligence in different phases of buildings, sensor environments, and digital twins influence the evolution of building typologies and the ways in which they are designed. The studio makes use of the double meaning of **Building Visions**. On the one hand, (new) building visions concern the evolution of architectural typologies and their future potential. On the other hand, the visions of building refer to the emerging visualization techniques as design interfaces which alter the perception of the building as a data body both in material and as an exact digital model. The studio builds visions on the relationship between architecture and the new technological conditions by looking at the past and understanding the present. We investigate these shifts in different phases of design, construction and operation, with the collaboration of various stakeholders.

We will critically discuss on: How does new technology influence the architectural typology of **civic buildings** such as future transportation hubs and facilities for higher education and hospitals? Which architectural design principles they must comply with? Which implications on the design profession and the built environment?

The course is structured in studio sessions and seminars. Based on the research questions coming from the seminar, students will work on a design assignment for a civic building (either a transportation hub, or a building for higher education and hospitals) to reflect upon the implications of new technological conditions in architecture for the design profession. The design scales range from the regional level to the spaces inside the buildings. Lectures, workshops with experts and visits are organized during the semester. The final works of the studio will be part of a collective exhibition organized by Complex Projects.