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Amsterdam Central Station – transformation challenges of the 21st century mobility hub

Manuela Triggianese
Lecturer at the Faculty of Architecture & the Built Environment, Delft University of Technology, and Research Fellow at AMS Institute (Amsterdam Institute for Advanced Metropolitan Solutions)
4b Smart Facility Management
- Amsterdam Station Island
- Multifunctional Terminal Building
- Shared Mobility and Space
- Research challenges
THE STATION ISLAND

- Until 1985 the transformations of the station island took place mainly within the structure of the station building designed by Pierre Cuypers (1881-1989). The recent developments can be divided in:
- 1985-2004, the planning phase of the Masterplan by Benthem Crouwel & City
- 2004-2017, its implementation and further elaboration.
MULTIFUNCTIONAL TERMINAL BUILDING

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While the flux of users continues to grow, the amount of public space stays the same. This is the cause of increasing pressure on pedestrians, cyclists and drivers, bringing along the negative effects of overcrowding.
- Integration of the station with the urban surroundings
- Programming and accessibility
- Use of public spaces and social dynamics

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SHARED SPACE

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There are no traffic lights and crossing paths, near the ferries and Cuyperspassage.
SHARED MOBILITY

- Practical Challenges: Safety, Efficiency and Comfort
- Information and Wayfinding
- Digital Connectivity
RESEARCH CHALLENGES

THANK YOU
GRACIAS