
The logo for urbanXperience, featuring the word "urban" in black, "X" in orange, and "perience" in black.

MCube

European Mobility Venture

euMOVE 2025

Next Stop: Munich's autonomous urban Mobility Future

— based on experience from
Amsterdam and the Netherlands

Taylan, Amrutha, Stefan, Longyun



platform
CROW

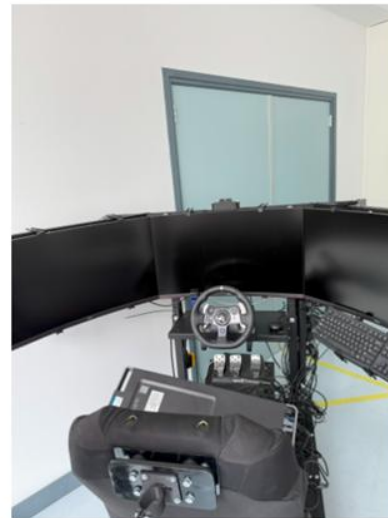
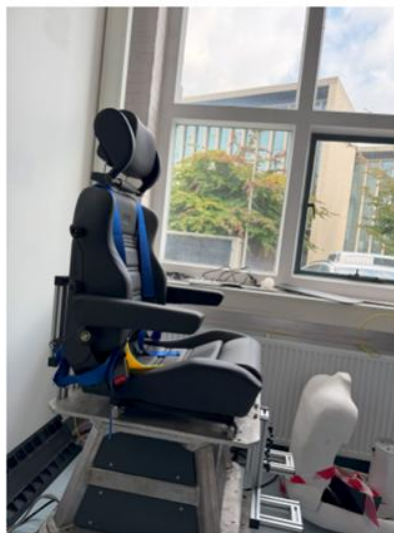
SWOV
INSTITUTE FOR
ROAD SAFETY RESEARCH

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ROBOAT




TU Delft

Challenges

Physical Constraints & Policy Tensions

1. Infrastructure: uneven, narrow roads, protected from modification.

2. Government policy: “No changes to inner-city infrastructure for AVs.”

Cultural Conflicts

1. Pedestrian/cyclist behavior defies traffic rules; informality is normalized.

2. Local mobility culture: “People are not here for traffic rules.”



Challenges

Lack of Experimentation

1. **No AV pilot projects** in historic center.
2. **An accident** increased regulatory caution.

Stakeholder Visions in Tension

1. **City planners:** Envision seamless, data-informed mobility systems that are sustainable, scalable, and future-ready.
2. **Residents:** Prioritize place-based identity, quality of life, and continuity of cultural narratives
3. **Tech developers:** Navigate the tension between universal design standards and context-sensitive innovation.



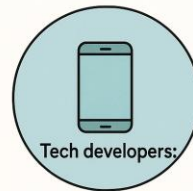
Stakeholder Visions in Tension



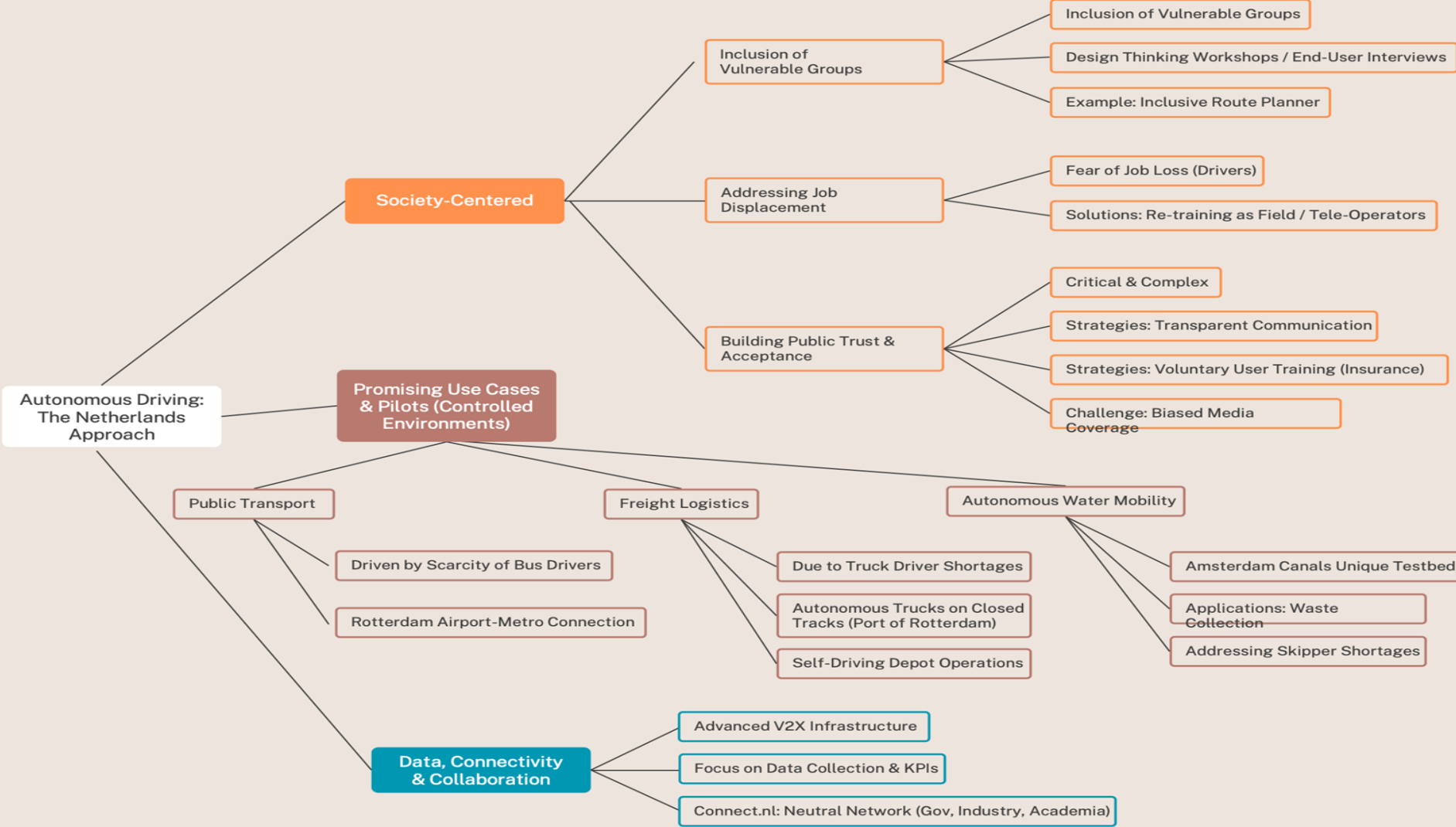
Smart, sustainable,
integrated mobility



Heritage, livability,
and cultural continuity



Universality vs.
local adaptability



Urban Symbiosis: Rethinking the Interface between People and Technology

“Our vision is not just about showcasing technology. It’s about creating a space where people, machines, and the environment interact – consciously, inclusively, and responsively.”

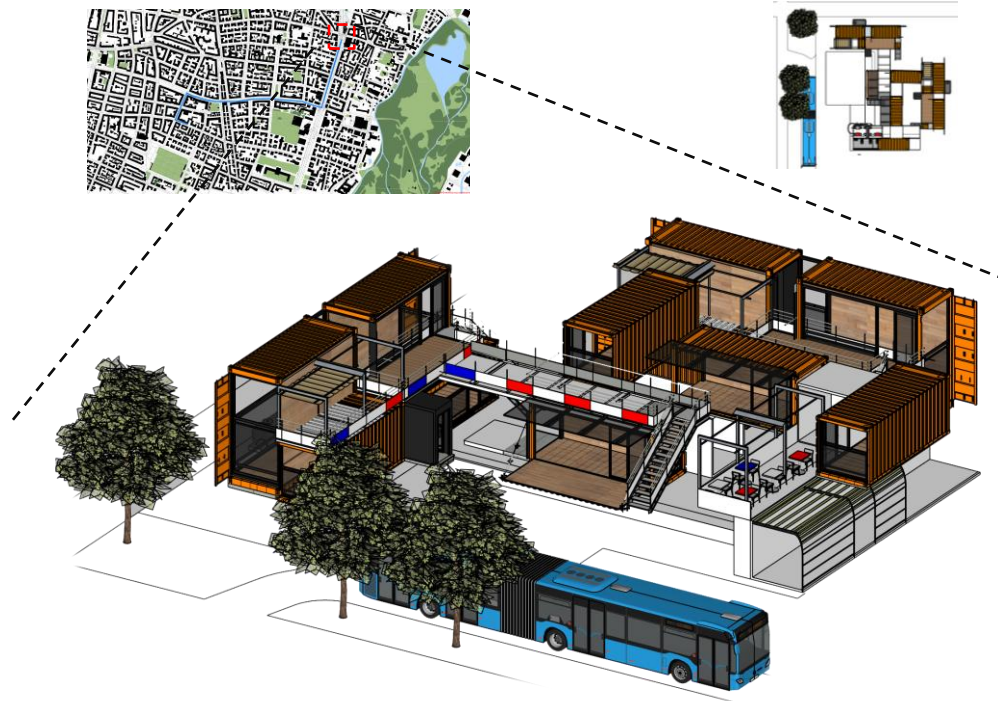
1. Inclusive Autonomous Mobility
2. Urban Ecology Respect
3. Protecting Cultural Infrastructure
4. Equally Understandable for All
5. Co-Creation Platform



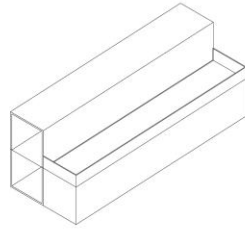
Re-thinking AV acceptability – bridging knowledge gaps through experiential spaces

Leveraging public spaces as spaces for knowledge exchange, creating an UrbEx Experience Centre.

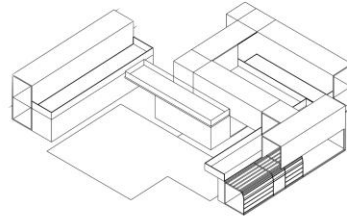
Aimed at being modular, pop-up and easy to construct spaces across different scale. Coupled with a demonstrative AV route between Georgenstrasse and Muenchner Freiheit.



Starting from a module and expanding further



Basic 3xContainer module

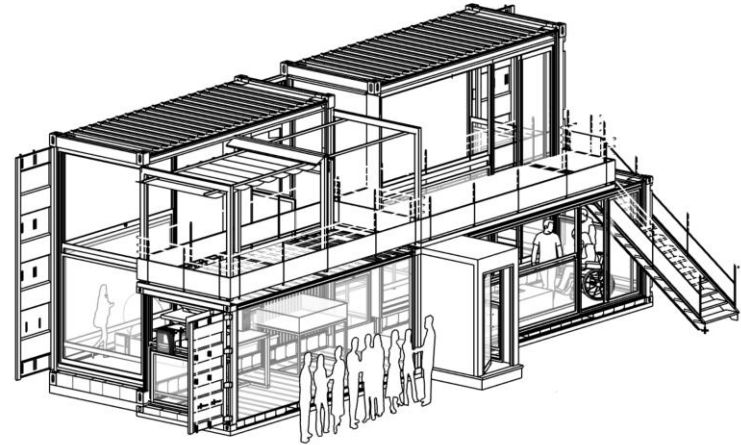


Combining modules to create a space



Display space

Innovation space and simulator



So while Amsterdam moves cautiously, Munich can move **consciously** — guided by equity, ecology and empathy. It's not just about moving vehicles, but moving minds — toward trust and a shared urban mobility.

Not racing toward the future, but **crafting** it — together.