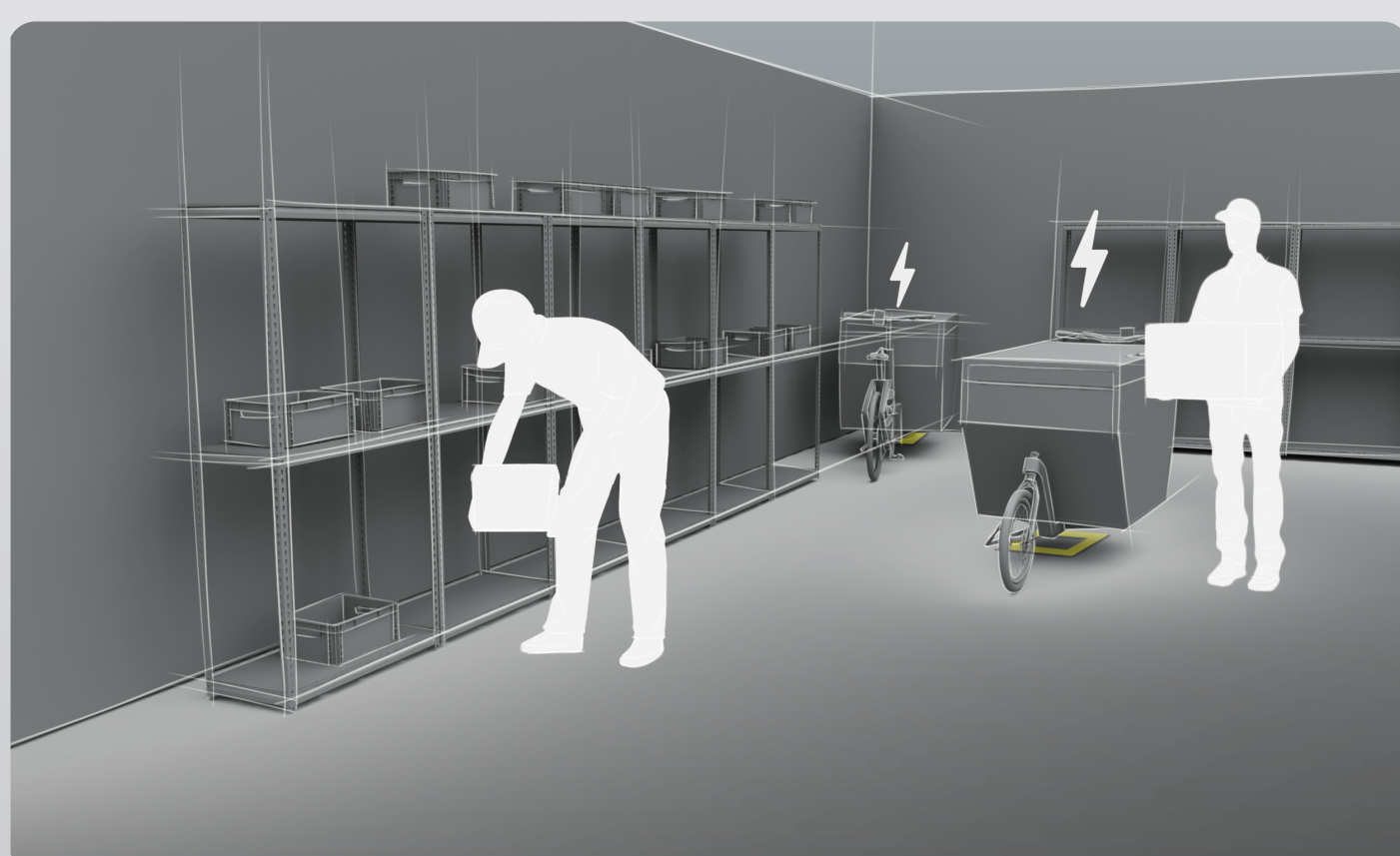


TILER CARGO

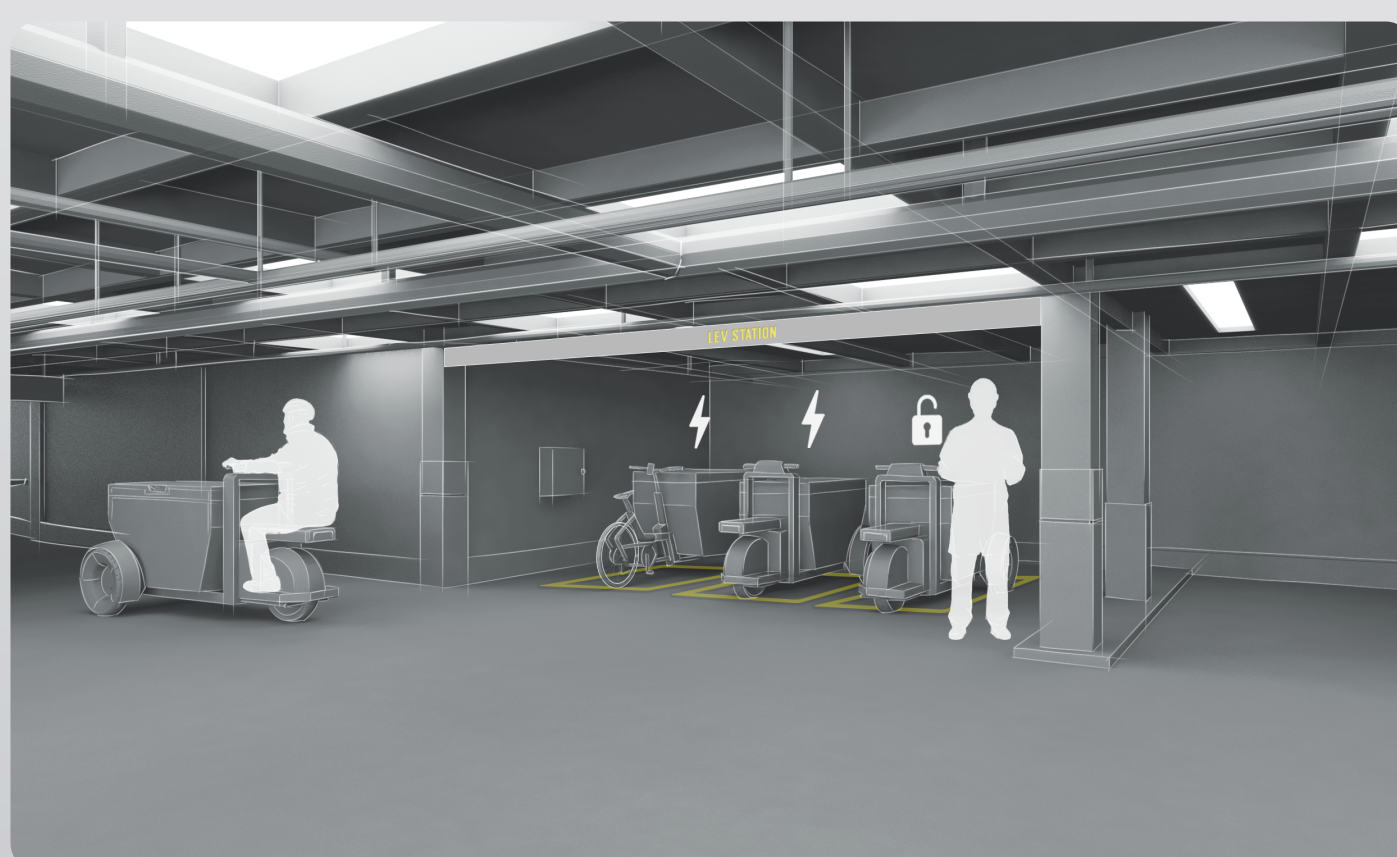
STRATEGY & CONCEPT DESIGN
FOR CHARGING LEFVs IN CITY LOGISTICS

Horizon 1 2023



FAST, LOCAL DELIVERY FROM SMALL HUBS

Horizon 2 2027



PUBLIC SHARED SERVICE LOGISTICS

Horizon 3 2031



STREAMLINED URBAN DISTRIBUTION

A strategy and concept design for charging LEFVs in city logistics. Tiler Cargo is a wireless charger for electric cargobikes: Parking equals charging.

Bulk charging batteries in the commercial domain result in chaotic situations with dozens of adapters and requires human responsibility to thoroughly perform charging procedures, resulting in reliability and scalability problems, not to mention fire hazard.

A Vision for LEFV 2031 and an accompanying Roadmap describe the expected developments in the domain of light electric vehicles and wireless charging in the (near-)future.

The charger enables the customer to fluently integrate the cargobike into their fleetmanagement system through wireless connectivity. Remote monitoring enables Tiler and the customer to keep track of the bicycle and the batteries, preventing unpleasant surprises. Tiler Cargo is the connecting element for incorporating the cargobike into sustainable city logistics.

URBAN ARROW
CARGOBIKE

AUTOMATICALLY
CHARGED BATTERIES

RAISED TILE
FLOOR

SMART
MODULE

WIRELESS
CHARGER

LED-
FEEDBACK

Stan van der Meer
Strategy and concept design for
wirelessly charging e-cargobikes in city logistics
12/11/2021
MSc. Integrated Product Design

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