



View of New Trädlyckevägen Streetscape

**MOBILITY ATLAS**

**Collective Autonomous Vehicles**  
Driver-less e-buses are being tested around the world. These vehicles are safer than ever, with sensor systems, including radar, optical cameras and ultrasound. They can warn cyclists and pedestrians in blind spots or unexpected proximity.

A smart bus system could integrate the 'rail' transport for commuters in peak-hours, and switch to on demand routes in off-peak hours. End stations can be mobility hubs where users can switch to other mobility options.

**Mobility Hubs & Parking**  
Though the suburban condition inevitably relies on individual motor vehicles, understandably, given the peripheral set up of residential blocks, densification can make the case for capillary mobility hubs, where various options are available just a

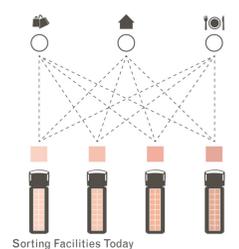
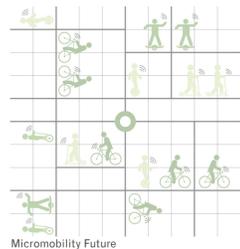
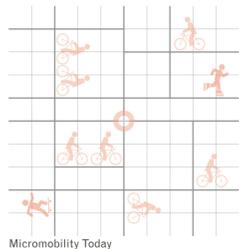
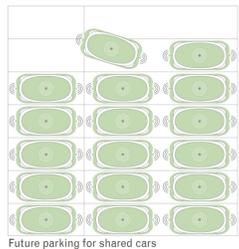
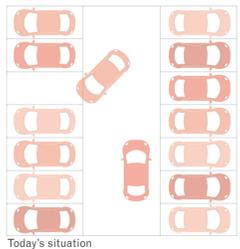
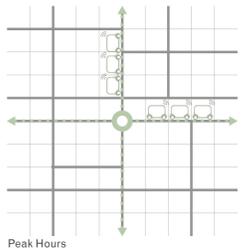
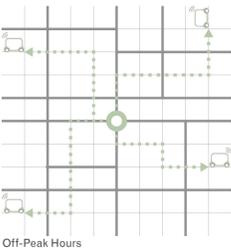
click away: shared vehicles, driver-less and collective transportation. Parking lots and garages as we know them will then be obsolete and space redundant. Generally fewer cars will be necessary, more parking efficiency with AV cars, more space freed up and re-purposed.

**Micromobility**  
Shared mobility gets personal with micro and light vehicles such as shared bicycles (1), electric pedal assisted bicycles, electric scooters (2), electric skateboards (3). They are distributed and charged through docks, and tracked via app.

A pleasant urban space, along with the perception of traveling along a safe path, ensure that soft mobility, such as cycling and walking, is less intimidating in busy areas. Thus the combination of quality spaces design and technological strategies can progressively ease healthier habits.

**Sorting Facilities**  
Sorting facilities are the converging location for different types of hierarchies of transportation both incoming and outgoing. Crucially, the capillary distribution will only make use of electrical vehicles. Heavy trucks, and gas

fueled vehicles can only reach the sorting facility where products are subsequently allocated to the electrical vans to ensure grouping for optimized routing.



**GROUND FLOOR ATLAS**

**Wellbeing and Healthcare**  
Self-care and preventive medicine are the new fundamentals for healthy communities, even more so in the wake of pandemics. A gym, a nutritionist's office, a therapist's office can have here a ground floor address, for convenience and as a reminder of their importance.

**F&B**  
Food and beverage options help support and complement the commercial facilities on nearby ground floors as well as creating a lively activation of the street front. This will cater to the community physical and relational nourishment.

**Third Places**  
Salons, barbershops, showrooms, corner shops, and club rooms act as community anchors, places that spark conversations and relationship building. Naturally situated on ground floor with lots of street visibility, they are essential to activate and look after street life.

**Family Housing**  
Families with children can easily make use of a small front yard-buffer space and of the benefit of direct street access. The extra space stores prams, bicycles and toys, as well as being a little domestic extension when needed.

**Doorstep Office**  
A mix of shared office facilities near residential areas and 'store front' offices for independent workspaces cater to the ever changing panorama of workplaces and work habits. Visibility and social connection at ground floor add to the street scape.

**Workshops and DIY**  
Studio spaces for creating and repairing as well as for sharing expertise and tools within the community. The ground floor facilitates access of a variety of tools, pieces, and machineries. A tool library, a classroom, and a gallery space are complement to the working areas.

**Senior Housing**  
Senior and special needs homes find the most suitable accommodation at ground floors. The barrier free access allows for unassisted movements, plus visual connection with street life, giving 'eyes on the streets' to make a community safer and more connected.

**Childcare**  
It is important to located childcare at the heart of the community activities, for greater convenience and access. Store front nurseries and kindergartens also have the advantage of displaying children works or advertising initiatives that help knit tighter neighbourhoods.

