SHOW and the Demonstration site in Linköping, Sweden
Dr Anna Anund, Swedish National Road and Transport Research Institute (VTI) (anna.anund@vti.se)
Based on what is done in the SHOW project exemplify how we are dealing with the introduction of automated vehicles in public transport in the city of Linköping in Sweden.
The SHOW project aims to support the migration path towards affective and persuasive sustainable urban transport through technical solutions, business models and priority scenarios for impact assessment, by deploying shared, connected, electrified fleets of autonomous vehicles in coordinated Public Transport (PT), Demand Responsive Transport (DRT), Mobility as a Service (MaaS) and Logistics as a Service (LaaS) operational chains in real-life urban demonstrations.

This project has received funding by the European Union’s Horizon 2020 research and innovation programme under Grant Agreement number 875530.
Linköping is one out of several pilot sites.
Aim for Linköping

- **Demonstrate** how autonomous, electrified buses will be a part of future sustainable cities
- Develop an **open platform** to be used for research and studies
- Contribute to collaboration and **co-production** supporting sustainable transportation and regional development
Ride the future
Testa våra självcörande bussar!

Smarta självcörande bussar är verklighet i Linköping. Men de här fordonen tar dig inte bara från A till B utan också, på sätt och vis, in i framtiden. Det är ett rullande forskningsprojekt för att testa hur självcörande bussar kan bli en del av den moderna stadens hållbara mobilitetslösningar. Är du redo?

Då åker vi – mot en smartare stad!

www.ridethefuture.se
Hållplatser på Campus Valla
Vehicles – multibrand approach

Navya Autonom Shuttle DL4
EasyMile EZ10 gen 2
Environment

Phase II - Vallastaden
- Living exhibition area
- Sustainable approach: sustainable buildings, no cars, shared solutions, etc.
- Trunk lines
- Apartments for elderly
- School for children with special needs

Charging an e-car from Sunfleet

Eldery living and school for children with special needs
Phase II – Main focus

- Prove a robust, safe and reliable operation of a fleet of electrical autonomous vehicles with a solution for connected traffic tower for last/first mile service, using the SAFE platform.
- Improve user experience for all users.
- Test cooperation including multiple OEMs and multiple operators.
## Phase II – Pilot plan

<table>
<thead>
<tr>
<th>Vehicles</th>
<th>Users</th>
<th>Road Infrastructure</th>
<th>Digital infrastructure</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 AV shuttle (Navya DL4)</td>
<td>Commuters, residents, and tourists. Special users in focus: Persons with special needs.</td>
<td>Urban area with a campus and residential area for a mix of people. Elderly, families, and students.</td>
<td>SAFE platform Connected Traffic Tower with remote monitoring &amp; tele-operation</td>
</tr>
<tr>
<td>1 AV shuttle (EasyMile EZ10gen2)</td>
<td>- Children (&lt; 15 years) - elderly (66-90 years)</td>
<td></td>
<td>Public access – design for all.</td>
</tr>
<tr>
<td>1 AV vehicle (Cargo or maintaince - tbd)</td>
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</tbody>
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We need to look forward to connect todays system with the future sustainable solutions.

- Collaboration between stakeholders is needed.
- Cooperation including multiple OEMs and multiple operators.
- Incentives for increased ridership (sustainable and inclusive and attractive to use)
- The ecosystem brings changes (multimodal, on-demand, micro mobility etc.)
- New or improved business models to be defined.
Thank you for your attention!