Update from Sweden

www.drivesweden.net/en Twitter: @DriveSweden Jan Hellåker Program Director



Drive Sweden

Strategic Innovation Program

A government-sponsored collaboration partnership for designing & piloting the next generation mobility system, based on services delivered via *Connected, Automated and Shared vehicles*.

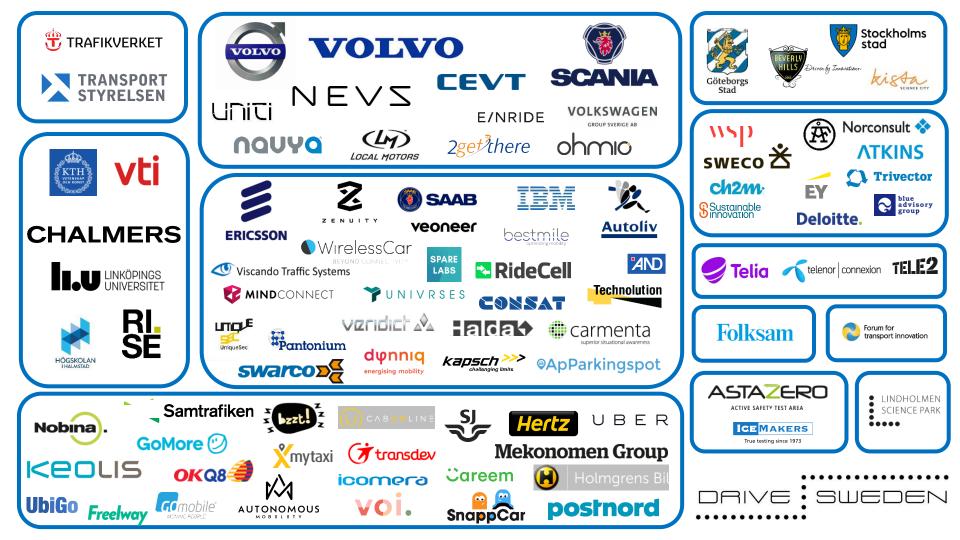


https://youtu.be/WmYsWYDQxul

Recently passed the three-year evaluation, nine more years to go!









REGULATIONS



Proposal introduced for regulations adapted to automated vehicles

- Supposed to be passed into law July 1st, 2019
- The owner of the vehicle will be responsible for any traffic offense
- Requirements on valid driver's license and sobriety remain
- Remote control accepted as replacing a human being inside the vehicle
- New traffic sign proposed to mark e.g. an AV specific lane



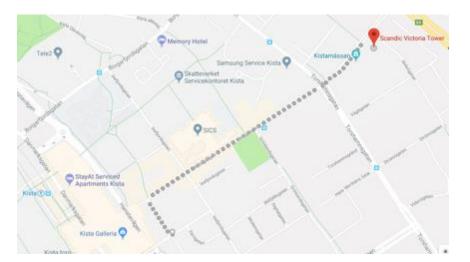




AV pilots on public roads, in mixed traffic – Autopilot

Kista, Stockholm

- Two Easymile vehicles, on a 1 km route
- Weekdays 7.00-18.00, free of charge
- Six months at this location, ~25,000 passengers
- Operated by Nobina





January-June '18

Comprehensive report soon to be published



AV pilots on public roads, in mixed traffic – Shared Shuttle Services

Chalmers Campus, Gothenburg

- One Navya vehicle
- Commercial operation, free of charge
- Two months at this location
- Operated by Autonomous Mobility

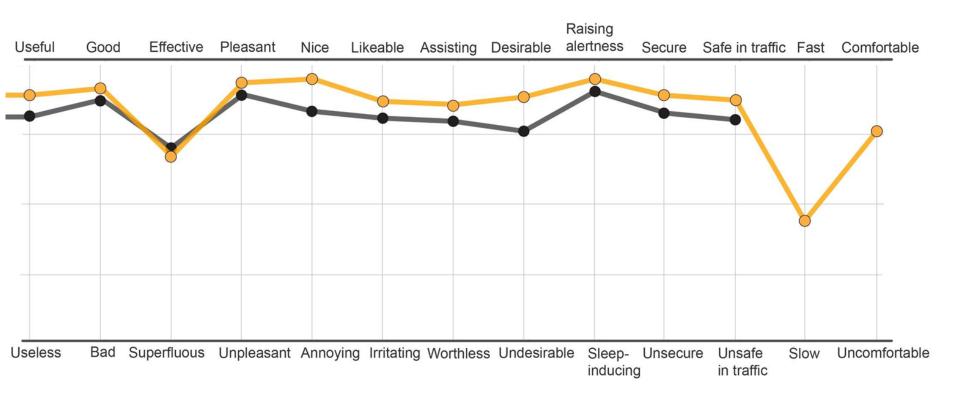




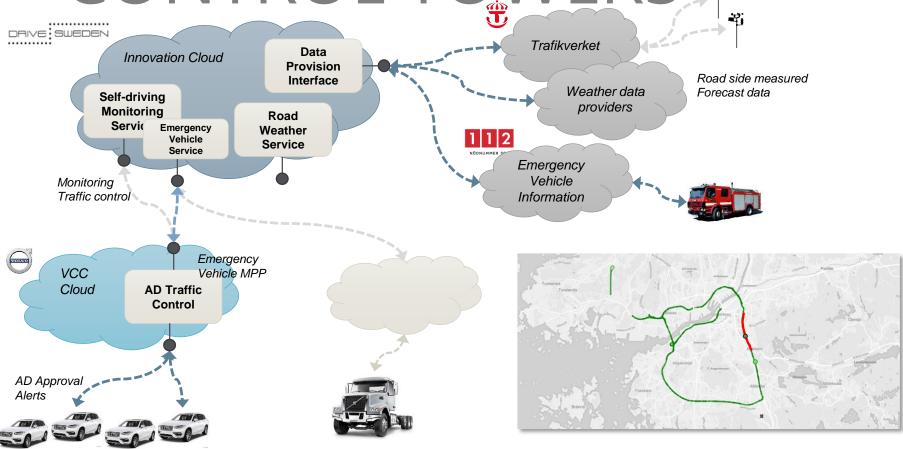
May & September '18



Responses from before/after survey



CONTROL TOWERS



Einride truck – 'safety driver' via 5G/Control Tower



- As of last week, in commercial operation with DB Schenker in an intra warehouse use case within a confined area
- Soon to be expanded to a stretch of public roads



NEW VEHICLE CONCEPTS



Einride – T-log



Volvo Group – VERA





VINNOVA

Control tower features, based on AI

🗇 carmenta 🗸 🖉

ERICSSON Viscando Traffic Systems



ri Se



BARKARBY – COMMERCIAL AV DEPLOYMENT

- Huge city development project
- Very low parking norms
- On October 23, SL deployed three of these vehicles when SL's Line 549 was launched
- Running according to an official time table during 06.30-09.30, 13.00 – 19.30 on weekdays, and on Saturdays.
- Next steps
 - 2019: 6 shuttles, fixed routes
 - 2021: On-demand, testing
 - 2025: On-demand, launched



OKT 24

Ny busslinje i Barkarbystaden med självkörande bussar

Torsdag 25 oktober börjar den nya busslinjen 549 gå i Barkarbystaden. Den körs med självkörande bussar.

Den nya linjen 549 går på sträckan Barkarby handelsplats östra – Korpralsvägen – Löjtnantsgränd – Stora torget och omvänt. Den går främst i rusningstrafik på vardagar, men även cirka klockan 12 – 18 på lördagar.

Linje 549 ingår i det ordinarie utbudet och samma villkor gäller som i övriga SL-trafiken. Till exempel gäller förseningsersättningen och biljettkontroller görs ombord på bussarna. Barnvagn, rullator och rullstol går bra att ta med i mån av plats. It's not all about driverless vehicles. This is a completely new approach to mobility. We are on the threshold of a radical shift, and it's happening fast. In just a few years the world will change. We will see entirely new mobility business models enabling sustainable cities.



Thank you!



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Experiences from operating in mixed traffic

