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BETTER TRAFFIC – HAPPY PEOPLE



THE COMPANY

Edeva AB

Edeva is a Swedish technology company delivering products and services for safer and more resilient cities. We offer managed services and complete systems that combine hardware, software platforms, and real-time data for traffic safety and situational awareness.

Main business areas

- Active speed management that ensures safe and efficient traffic where it matters most - Actibump
- Powerful traffic data to enable smarter planning, actions and decision making - Actinode



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EDEVA IN SAFER

Areas of expertise

- Traffic safety
- Data collection, real time in real life
- GDPR, information security

Areas of interest

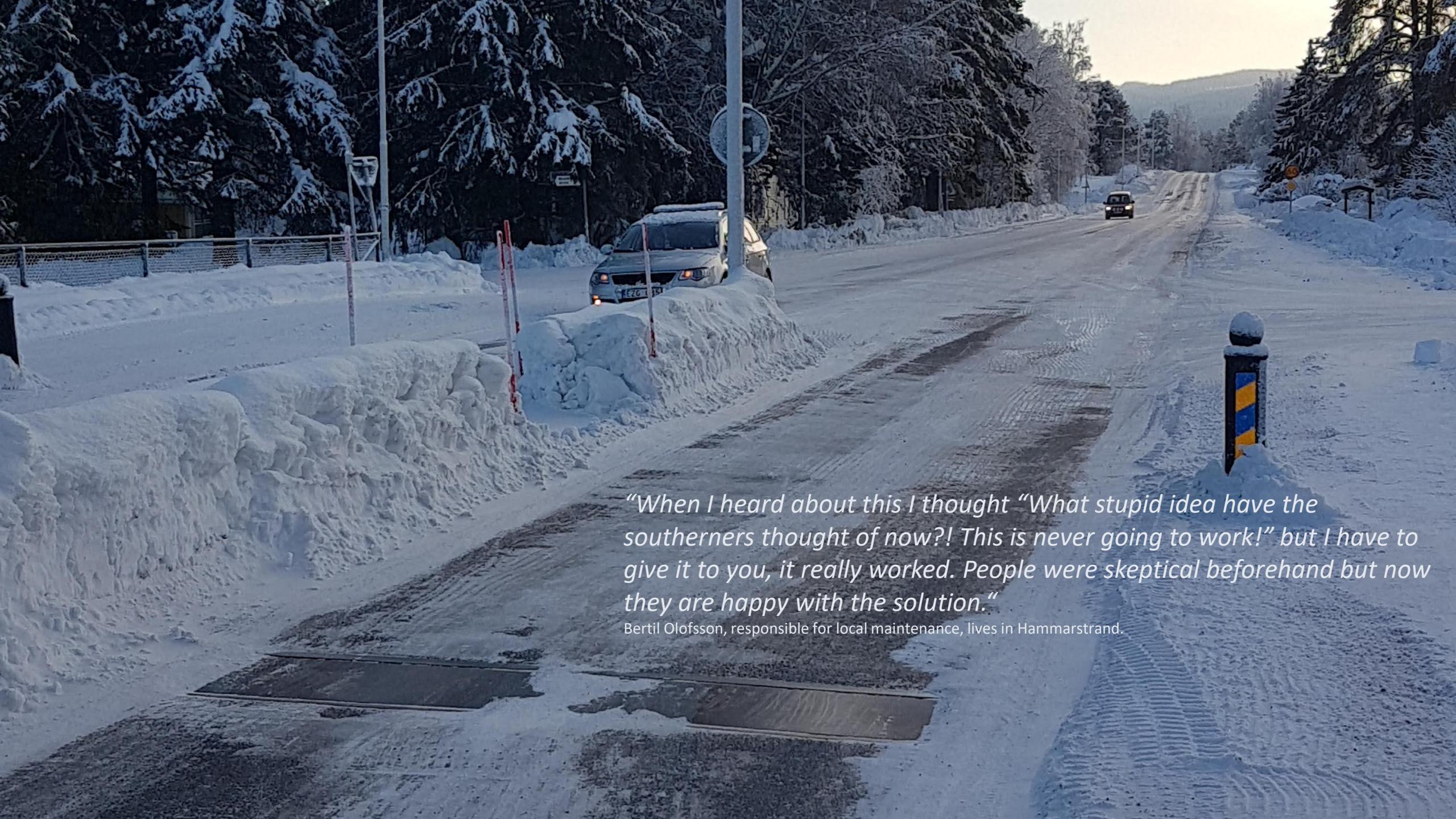
- Real time applications to improve traffic
- Data driven approach to create real change





- **No bump if you don't speed**
- Reducing speeding by up to 99 %
- Good accessibility for public transport
- Less emissions and noise
- Smooth flow of traffic
- Remotely monitored

actibump®
by Edeva



“When I heard about this I thought “What stupid idea have the southerners thought of now?! This is never going to work!” but I have to give it to you, it really worked. People were skeptical beforehand but now they are happy with the solution.”

Bertil Olofsson, responsible for local maintenance, lives in Hammarstrand.

INSTALLATION

- The pre casted Actibump units are installed in the road
- The units are connected to electricity and drainage
- Control cabinet is installed within 100 meters of the Actibumps
- Radar poles are installed close to the Actibump



MAINTENANCE



- The Actibump requires maintenance once per year.
- The Actibump is opened and secured with a service tool.
- Maintenance takes maximum 1-2 hours per Actibump
- Edeva offers yearly maintenance or trains local contractors to do it.
- The Actibump system is connected to EdevaLive platform for remote monitoring and controlling.

A screenshot of the EdevaLive platform. The top left shows a status summary with 0 and 1. The top right shows a camera feed of the Actibump system with a timestamp of 20/12/2024 13:06:17. The main area displays a table of 'User Actions' and 'Service Logs' with various entries and timestamps.



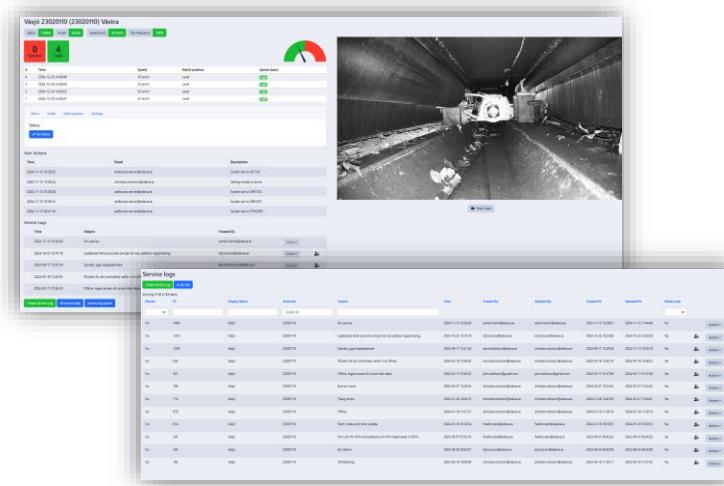
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EDEVALIVE

Edevalive is a software platform, in cloud or on-prem, that controls the hardware system for easy and robust operations and maintenance. The platform collects, stores and validates data. Easy to integrate to other systems, if needed. The platform is designed to handle GDPR-sensitive data and conforms to strict information security standards.

Maintenance

- Remote monitoring
- Service logs



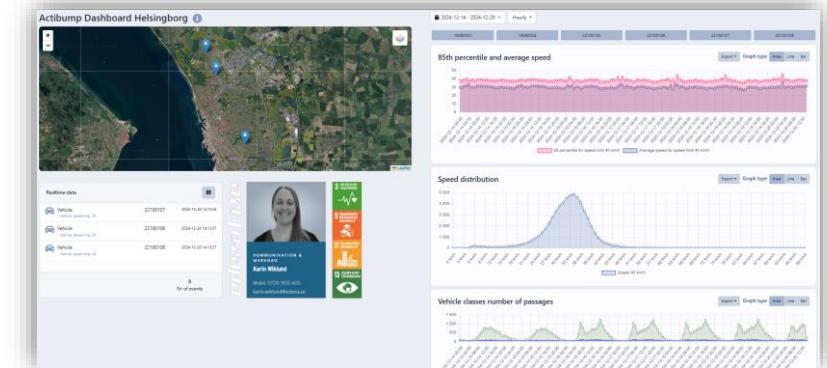
Data collection and sharing

- Speed & traffic flow
- ANPR & ADR
- Air quality, noise & vibrations
- REST and MQTT API



Customised Dashboards

- <https://live.edeva.se/projects>



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- Stockholm, enviromenntal zone 3
- Oslo, left turn
- Malmö, noise

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TRAFFIC COUNTING

- 10 000 vehicle passages per day
- Of which 2 000 are heavy vehicles
- Traffic flows
- Speeds



Understand the traffic, not just count it

WHO DRIVES – Private, companies, or emergency services?

WHY – Socially beneficial traffic or a burden?

WHERE FROM – Local or from outside the area?

HOW OFTEN – Recurring or sporadic traffic?



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TRAFFIC COUNTING VS ACTINODE

- 10 000 vehicle passages per day
- Of which 2 000 are heavy vehicles
- Traffic flows
- Speeds

10 000 vehicles

- 2 200 from Motala, of which 300 are electric vehicles
- 1 500 from Norrköping
- 350 from Ekängen

2 000 large vehicles

- 350 unique buses owned by Östgötatrafiken
- 250 heavy trucks within “Courier and delivery services”
- 2 mobile cranes with a service weight over 100 tons

Traffic flow

- 80% of commuters from Norrköping arrive before 07:30
- 70% of traffic during the peak hour is the same every day

Speeds

- Vehicles owned by the Municipality of Linköping exceed the speed limit in 8 out of 10 passages
- Electric vehicles travel on average 2 km/h faster than diesel vehicles



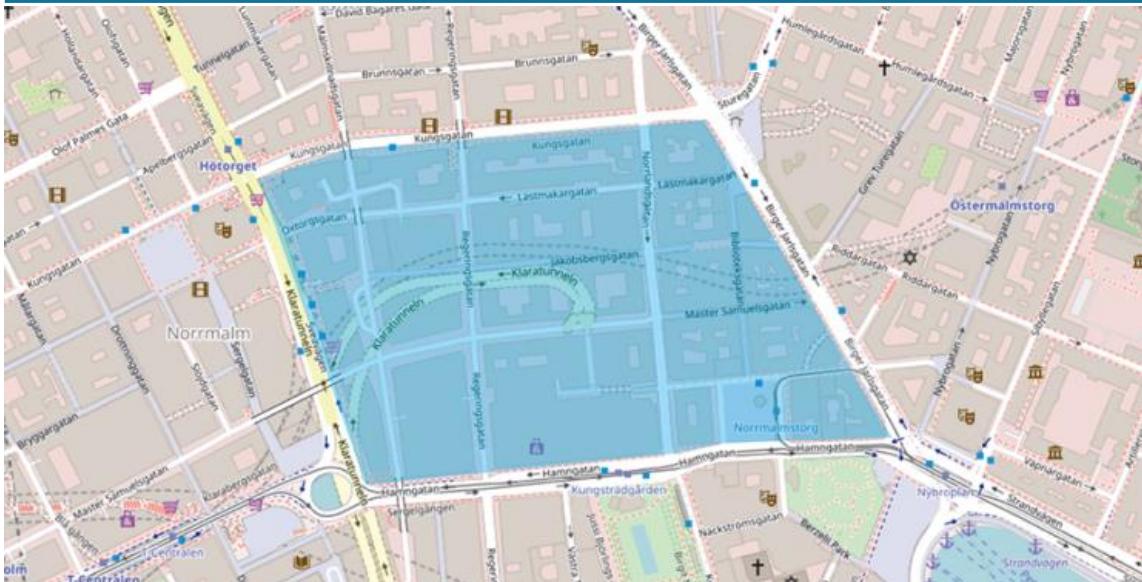


Trafikräkning
Slangar eller slingor

Trafikräkning
AI-Kameror / Lidar / 3D-Radar

| Antal fordon | JA | JA | JA |
|--------------------------|----|-----|-----|
| Hastighet | JA | JA | JA |
| Fordonstyp | JA | JA | JA |
| Miljöklass & Bränsletyp | JA | NEJ | NEJ |
| Branschkod & Trafiksyfte | JA | NEJ | NEJ |
| Återkommande fordon | JA | NEJ | NEJ |
| Ursprung (postnummer) | JA | NEJ | NEJ |
| Luftkvalitet (Option) | JA | NEJ | NEJ |
| Buller / Ljud (Option) | JA | NEJ | NEJ |

ENVIRONMENTAL ZONE 3, STOCKHOLM



SÅ FUNKAR MILJÖZON 3

De fordon som får köras i miljözon klass 3 är:

- ▶ läta och tunga elfordon
- ▶ läta och tunga bränslecellsfordon
- ▶ läta och tunga gasfordon som uppfyller utsläppskraven för Euro 6
- ▶ tunga laddhybrider som uppfyller utsläppskraven för Euro 6
- ▶ Det finns även undantag för exempelvis polisbilar, ambulanser, färdtjänstbilar, läkare, militärfordon och transporter av rörelsehindrade.



- Fuel type, owner, and emission class
- Regulatory framework and exemptions
- Measurement from September 2024
- Communication, internal and external
- Nudging, real time via advertising kiosk
- Fines/fees can be introduced when permitted



NOISE, Malmö



- Disturbance to residents, security & traffic safety
- Which unique vehicles are causing disturbance?
- Through-traffic ban, collectively enforced
- Regulatory framework and any exemptions
- Measurement since August 2025
- Communication, internal and external
- Fines/fees can be introduced when permitted

| vehicle_id | vehicle_name | vehicle_type | Passages |
|---------------|-----------------------|--------------|----------|
| Totals | | | |
| vehicle_1672 | SEAT | PB | 32 |
| vehicle_6620 | YAMAHA | MC | 30 |
| vehicle_14162 | YAMAHA YZF-R1 | MC | 28 |
| vehicle_814 | YAMAHA | MC | 25 |
| vehicle_1047 | YAMAHA | MC | 20 |
| vehicle_15746 | YAMAHA | MC | 20 |
| vehicle_14117 | HONDA CBR 1000 RR | MC | 17 |
| vehicle_5801 | YAMAHA | MC | 17 |
| vehicle_15819 | BMW | PB | 15 |
| vehicle_1372 | KTM | MC | 15 |
| vehicle_13073 | SCANIA P360LB6X2*4HLB | LB | 14 |

STUDDED TYRES, STOCKHOLM



- Air quality, noise, and road wear
- Which unique vehicles have studded tires?
- Manual counting today to estimate the share
- Regulatory framework and exemptions
- Communication, internal and external
- Fines/fees can be introduced when permitted

| vehicle_id | vehicle_name | vehicle_type | Passages |
|---------------|----------------|--------------|----------|
| Totals | | | 91396 |
| vehicle_19248 | SKODA | PB | 670 |
| vehicle_12228 | BMW | PB | 146 |
| vehicle_19067 | VOLVO | PB | 139 |
| vehicle_2553 | VOLVO | PB | 115 |
| vehicle_224 | VOLVO F + S60 | PB | 99 |
| vehicle_232 | VOLKSWAGEN, VW | PB | 94 |
| vehicle_5 | LEXUS | PB | 90 |
| vehicle_19306 | POLESTAR | PB | 82 |
| vehicle_110 | BMW 5L | PB | 80 |
| vehicle_7122 | AUDI | PB | 75 |
| vehicle_17929 | SKODA | PB | 72 |
| vehicle_4331 | MERCEDES-BENZ | PB | 69 |

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