Autonomous Driving Aware Traffic Control

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Carmenta
What are the AD Aware projects all about?

- Autonomous Driving Aware Traffic Control project was launched in 2016
- Concept in the Drive Sweden Innovation Cloud to test central traffic control and traffic data information:
  - Distribution
  - Fusion
  - Processing
  - Sharing
- Produce and distribute Autonomous Driving Advice
Project partners

![Logos of project partners](image-url)
1. Autonomous Driving Aware Traffic Control

- Define and propose a traffic control cloud for automated vehicles.
- Handle information flows for connected vehicles and propose solutions on required services including traffic control and information sharing.
- Propose how to handle weather information required for a safe implementation of autonomous driving vehicles.
2. Autonomous Driving Aware Traffic Control – Emergency Vehicle Information

- Automated cloud services for sharing Emergency Vehicle information between AD Vehicles and Emergency Vehicle Coordinators.
- AD Vehicles receive information about Emergency Vehicles’ positions and Most Probable Path (MPP).
- Traffic Control to take appropriate action: either revoke AD Approval or, guide AD vehicles to move out of the MPP so the Emergency Vehicles can pass.
3. Autonomous Driving Aware Traffic Control – Cooperative Driver Assistance

- Extend and test the effects of coordinating and improving the information exchange between different types of connected vehicles operated by different car OEMs.
- Handle connected, self-driving vehicles and vehicles equipped with Advanced Driver-assistance Systems.
AD Aware report and movie

Report and movie available at: www.drivesweden.net