

PRESS RELEASE

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Klimator is a part of the project Autonomous Mobility Roadmap

The project objective is to create a roadmap on how to deploy and integrate autonomous and electric mobility solutions into a city environment. To be able to solve such a complex task in the best way, it needs to be carried out by a group of experts with broad domain knowledge from many different areas where Klimator is included as a provider of road condition expertise. The project is funded by Vinnova and Drive Sweden.

Klimator's technology for autonomous driving, which enables driving in severe weather and road conditions, is an important part of the project to enable safe driving of autonomous vehicles. This project will provide knowledge both for actors involved in the project but also for actors interested in the field of expansion and integration of autonomous vehicles in cities.

The project will investigate, define, and take inventory of requisites for autonomous mobility, regarding e.g. regulations and policies, physical and digital infrastructure, business models, and service design such as public acceptance of autonomous mobility and mobility needs. This work will result in a roadmap covering the requirements for how autonomous mobility solutions are integrated into an urban environment.

The project is built on existing knowledge and experience in the field of autonomous and sustainable mobility solutions, taking "the next step" by investigating the requirements regarding deployment, challenges of urban planning regarding autonomous mobility, and tests on test-site and in city environment. Also, investigate the feasibility of removing the safety driver and how to create an urban environment for vehicles from various vendors.

"A project of this kind gives us the opportunity to demonstrate our technologies to be an enabler for functional autonomous vehicle solutions even in countries with winter road conditions", says Torbjörn Gustavsson, Associate Professor in road climatology Klimator.

The work is carried out within the strategic innovation program for Drive Sweden, a joint venture of Vinnova, Formas and the Swedish Energy Agency. Read more on the Drive Sweden web site:

<https://www.drivesweden.net/en/project/roadmap-sustainable-mobility-solutions-based-autonomous-driving-complex-city-environment>

Other participants in this project are AFRY, AstaZero, CEVT, Keolis, NEVS, Nobina, Skanska, Trafikkontoret Göteborg.

About AHEAD

AHEAD is a technology that analyzes the road surface and friction ahead of a vehicle, in real-time. The technology is the result of over ten years of research and development within road surface classification. AHEAD provides vehicle systems with information on prevailing road surface conditions, which increases the functionality, operability, and use of advanced driver support systems (ADAS) and autonomous driving (AD) technologies.

About Road Condition Data

Road Condition Data (RCD) is a cloud-based Data-as-a-Service platform providing actionable data on current and future road weather, for proactive mobility. The RCD platform uses a combination of ruled-based algorithms, machine learning, and immense amounts of real-life road and environment data. The information enables actors within the automotive industry to enhance the driving experience, the functionality, operability, and safety of advanced driver support systems (ADAS) and autonomous driving (AD) technologies.

For further information

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About Klimator

Klimator AB is a publicly listed software company with over 30 years of research in applied road climatology. Klimator has two innovations – the data platform Road Condition Data (RCD), providing predictive high precision road weather information, and the sensor fusion solution AHEAD providing real-time detective road weather information. With these innovations, Klimator provides precise and reliable road weather information to the winter maintenance and the automotive industries creating safer roads and enabling scalable autonomous driving (AD) and intelligent driver support systems (ADAS). In 2020, Klimator acquired HedeDanmark's business operations within connected sensors to broaden and strengthen Klimator's product portfolio.