

ROADVIEW

Robust Automated Driving in Extreme Weather

Developing reliable and cost-efficient systems for
autonomous driving under harsh weather conditions.

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Designed by @accelopment Schweiz AG

Key facts about the project



15 partners



7 countries



4 years



9.7M Euro

The challenge

Complex environment and traffic conditions have a major impact on the safety and operations of Automated Vehicles (AVs). Weather affects not only the vehicle performance but also the roadway infrastructure, thereby increasing the risk of collision and traffic scenario variations. So far, most automated vehicles have been trained and tested under optimal weather and road conditions with clear visibility. Yet, the systems must be equally reliable under any weather and road condition before they can see widespread acceptance and adoption.

ROADVIEW solution

To address the challenges related to AVs, the ROADVIEW project is developing complex in-vehicle perception and decision-making systems able to perform advanced traffic recognition and prediction under severe weather conditions, such as snow, fog, and rain. Based on a cost-efficient multisensory setup, the revolutionary systems will independently perceive the environment conditions and make decisions based on its enhanced sensing, localisation, and improved object and person classification.

ROADVIEW partners



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