



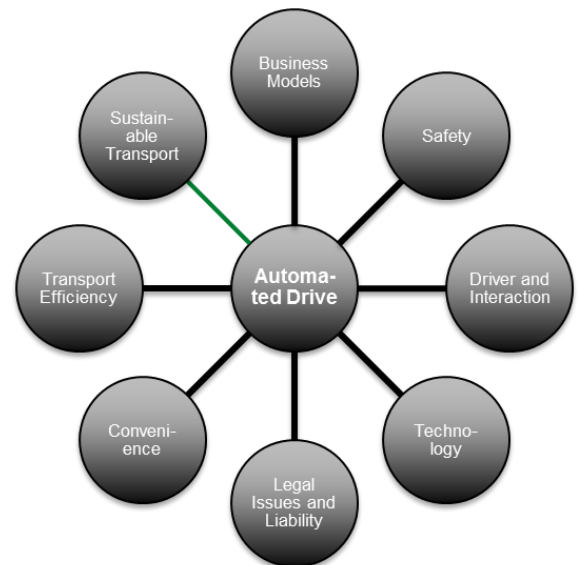
ENABLER OF INNOVATION - AUTONOMOUS VEHICLES

A GROUP OF WORLD-CLASS RESEARCH INSTITUTES IN THE FOREFRONT OF ICT RESEARCH AND DEVELOPMENT

- Owned by the Swedish government (60%) and the Swedish industry (40%).
- Consists of 4 Research Institutes: Acreo, Interactive Institute, SICS and Viktoria.
- The *institute approach* focusing both excellence and innovation.
- More than 400 employees that combine expertise with academic research and experience from industrial applications. Approximately 43% have a PhD degree.

OUR OFFER

- Contract R&D
- Expertise and Strategic Advice
- Partnership and Network
- Test beds, Demonstrators and Labs
- Support to SME
- Licenses



OPEN AND MODULARIZED REFERENCE ELECTRICAL ARCHITECTURE

Develop a scalable electrical architecture for low cost and high performance, to be used as a base for education, research and open innovation, but also as a starting point for new OEM electrical architectures or evolution of existing architectures.

LOW SYSTEM COSTS USING NEW TECHNOLOGIES AND SOFTWARE

Develop smaller and smarter systems that increase reliability and safety to a decreased cost, lower weight and lower power consumption.

USER INTERFACES THAT CREATE CONFIDENCE

Create interface solutions that are both safe and accepted by drivers; that are easy to understand and in which the transfer of control between driver and vehicle is transparent.

AUTONOMOUS VEHICLES AS A SERVICE

Develop new business opportunities connected to automation of vehicles, which are attractive to both users and operators.

For instance, selling mobility services instead of selling cars; resolving liability issues when the responsibility for maintenance does not align with liability at accidents.

OPEN INNOVATION

Enable 3rd party involvement in development of functions for automated vehicles – not all bright brains work for a single company.

TEST AND VERIFICATION METHODS

Develop technologies for testing interactions between cooperating vehicles of different brands.

Develop methods for evaluating user experiences of HMI in automated vehicles.