Autonomous Driving Lab (ADL)

The Autonomous Driving Lab aims to make Estonia the go-to destination for testing of autonomous vehicles in challenging climatic and driving conditions by providing necessary infrastructure and toolset.

- ADL started in collaboration with Bolt, an Estonian mobility unicorn with more than 75 million customers in 45 countries. Together with Bolt, ADL aims to evaluate the technology readiness of self-driving software for the robotaxi use case.
- ADL does research in the following areas: autonomy software, high-definition maps, behavior prediction, motion planning, teleoperation, learned driving, validation and testing, perception uncertainty, human-vehicle interaction and security.
- ADL uses a Lexus RX 450h SUV which is equipped with a variety of hardware necessary for self-driving: lidars, cameras, a radar, GNSS equipment, etc.
- ADL has deployed smart traffic solutions in cooperation with TRAFFEST and Bercman with the aim of evaluating vehicle-infrastructure communication technologies.
- Estonia has been gifted with a significant variety in climatic and driving conditions which makes it an especially favorable location for validating self-driving technologies.

For partners

ADL will happily discuss potential partnerships with:
- companies that develop self-driving technology and aim to commercialize viable solutions for the future market;
- states and municipalities that wish to discuss how the legal space and infrastructure must develop hand-in-hand with the technology;
- vR&D institutions that are interested in combining each other’s resources with the aim of doing world-class research.