

HIGH SECURITY VEHICLE ACCESS CONTROL SYSTEM

Partner: ZalaZone

About ZalaZone

In May 2016, the Government of Hungary decided on the implementation on the autonomous vehicle test track in Zalaegerszeg with the aim to expand native automotive R&D capacities. Thus ZalaZone has been established as the proving ground for autonomous vehicle development.

Project overview

Zalazone required a high security access control solution to manage vehicle access that matches the high-tech profile of the proving grounds.

The solution Asura Technologies provided features facial recognition based identification of the driver of the vehicle waiting for entry as well as license plate recognition and vehicle make and model recognition-based matching of the vehicle.



System overview

Vehicle recognition performed real-time, using camera footage. The system matches vehicle recognition data with those in the database records.

The facial recognition component is capable of matching photos made using mobile phone cameras with pictures in the reference database. In case of a match, the application returns the data associated with the recognized person and gives green light.

The system grants access only following a successful joint identification by both modules.



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