Aimotive - The Company at a Glance

COMPANY
- Founded in 2015 by CEO Laszlo Kishonti
- Incorporated in Germany, headquartered in Budapest

GLOBAL GROWTH
- 4 offices across 3 continents: Budapest, Helsinki, Mountain View and Tokyo
- 4 licensed testing locations: Hungary, Finland, California, Nevada
- Autonomous driving test cars from 4 manufacturers: Toyota, Volvo, Citroen, SAIC

TEAM & EXPERTISE
- 190+ passionate team, including 150+ highly skilled engineers
- In-house developed AI algorithms and framework
- 10+ years in high-performance embedded programming

STRONG TRACTION
- Strong track record of delivering customer projects since 2015
- Running autonomous driving projects across 3 continents (Europe, USA, Asia)

INVESTORS
- Over $50 million raised
- Robert Bosch VC, Nvidia, Inventure VC, Draper Associates, B Capital, Prime Ventures, Cisco Investments, Samsung Catalyst Fund, Day One Capital, Private investors

Our Autonomous Driving Technologies

aiDrive

Self-driving Software Platform

Artificial Intelligence-based software suite for Level 4 and 5 autonomous driving

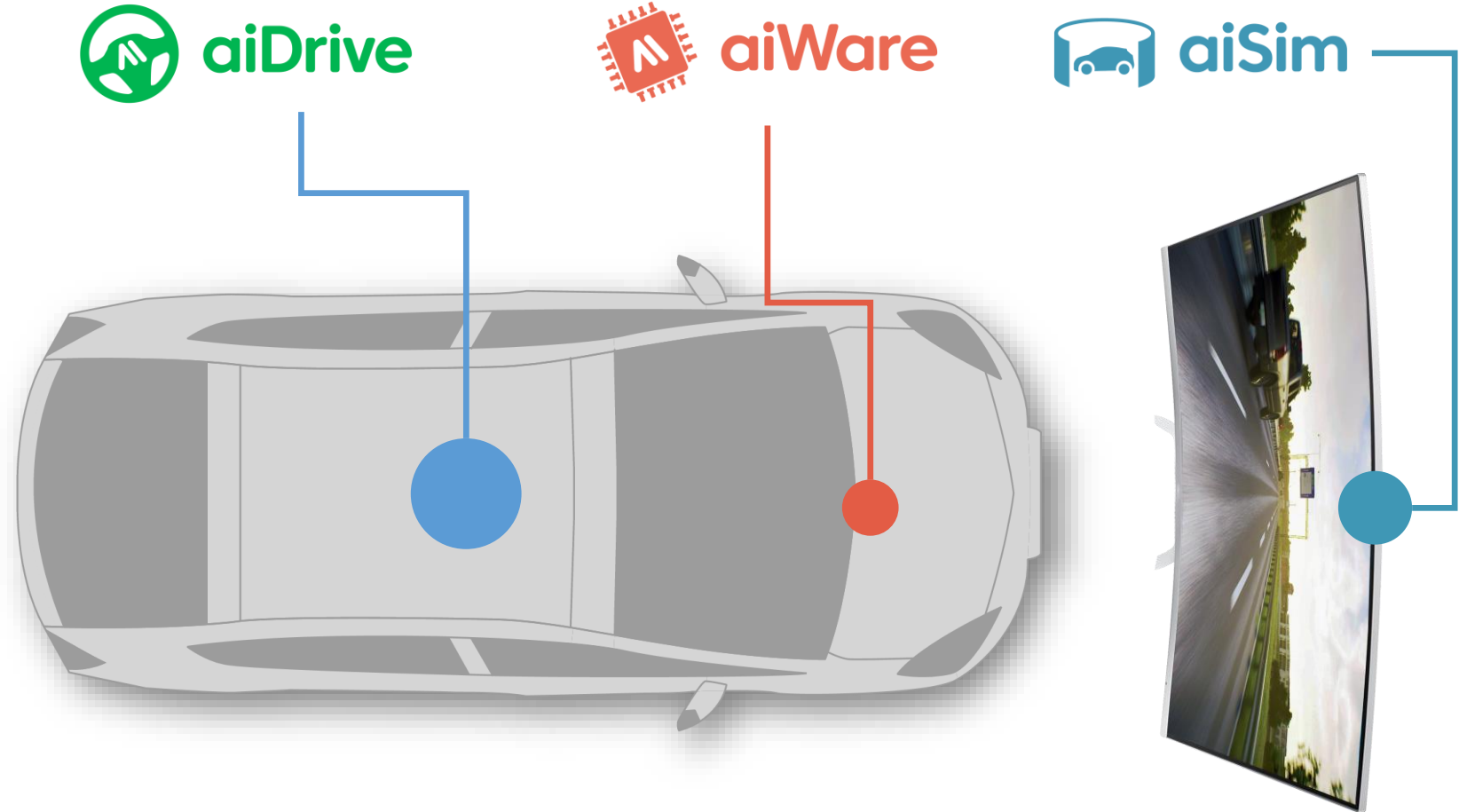**aiSim**

Virtual Simulation Environment

Photorealistic and dynamic virtual environment for AI training and system testing

aiWare

AI-Optimized Hardware Platform

NN accelerator IP for low-power, high-performance AI-optimized computing

aiDrive **aiWare** **aiSim**

Our L4 Solutions
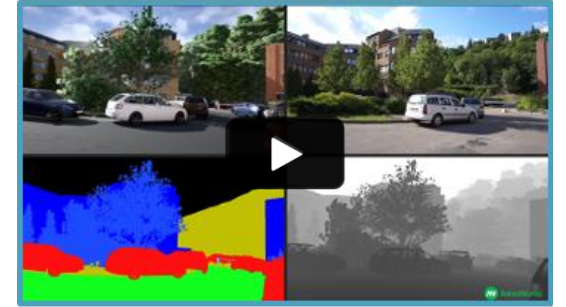
Autonomous Valet Parking

Highway Autopilot

Urban Driving

Aimotive works with its partners around the world to bring safe and scalable autonomous driving experience to the market.

Deployed with
aiDrive

Tested in
aiSim

Ready for
aiWare

aiSim: The Simulator for Autonomous Vehicle Development

OVERVIEW

- Designed to accelerate autonomous vehicle development
- Recreated real-world situations and new unique scenarios for safe development
- Fully integrates into aiDrive allowing for SiL and HiL testing
- Supports artificial intelligence research and training with ground truth data

USE CASES

- Scenario testing: based on hundreds of unique safety test cases
- Permutable with location, weather, traffic, time of day
- Modular Verification: with ground truth sensor data or model-space data
- Data generation: instance segmentation, bounding box, depth, point clouds

TEST SETUP & RESULTS

- Real-time bidirectional connection of aiDrive and aiSim
- Dedicated servers for nightly and pre-commit tests
- Automated report generation with videos showing the vehicle's behavior in the simulated environment
- Integrated with ALM tool for requirement management and trceability

Our Development Pipeline Solves for Speed and Safety

Verification report

Iterative test-driven developement

aiSim

Test Cases

New Function

Operation Domain+Use-case

Requirement definition

Algorithms

aiDrive

Vehicle Testing

New Software Release

Scenarios

Real and Augmented Training Data

Closed loop Validation process

Evaluation