

## FEV.io and Streetscope Collaborate to Advance Safety Evaluations of Autonomous Vehicles

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**Auburn Hills, Michigan, December 2023 — FEV, a leading global engineering service provider in the mobility industry, and Streetscope, a supplier of innovative tools used to evaluate the safe movement of vehicles, have entered into a partnership, employing industry-exclusive quantitative measures to dramatically enhance ADAS/AD development.**

As work to improve the fidelity of Advanced Driver Assistance Systems (ADAS) and Automated Driving (AD) continues throughout the transportation industry, a widespread problem persists, the lack of a consensus approach to determine effectiveness of safety measures in autonomous vehicles. In this absence, engineers are often forced to rely on a blend of existing standards and best practices to develop and test. Through the collaboration of FEV's intelligent mobility division, FEV.io, and pioneering tool developer, Streetscope, development costs will be reduced, and processes are made more efficient and faster.

“Together, we are offering a tool and methodology that can provide an alternative,” said Tom Tasky, VP of Intelligent Mobility and Software at FEV.io, “enabling the use of quantitative measures to improve design, enhance safety, and accelerate the development and deployment of autonomous vehicles and advanced driver assistance systems.”

Specifically, FEV will innovate autonomous vehicle technologies by incorporating the Streetscope Hazard Measure (SHM) proprietary measurement of collision hazards, into the life cycle of mobility development. The unique software platform can process data from AV sensors such as cameras, lidar and more, to analyze all varieties of driving situations and objectively characterize potential hazards within the field of view. It then calculates a “Hazard Measure” based on kinematic relationships between elements present in the scenario, resulting in a quantifiable metric that correlates with collision risk.

“The SHM can be used to validate system requirements and design approaches earlier in the development lifecycle,” commented Streetscope CEO, Mark Goodstein, “as well as to provide an ongoing, predictive measure not dependent on crash data or incident reporting. Together with FEV’s expertise in vehicle development and systems engineering, we think it’s truly a game changer.”

FEV will feature the technology from booth #5577 at the upcoming CES trade show in Las Vegas, January 9-12, 2024. Attendees are encouraged to visit for a more in-depth look at the technology in action.

## Footage



Caption: FEV.io and Streetscope jointly develop industry unique quantitative measurement methods to improve ADAS/AD. © FEV

### About FEV

#### FEV has always pushed the limits.

FEV is a globally leading engineering provider in the automotive industry and internationally recognized leader of innovation across different sectors and industries. Professor Franz Pischinger laid the foundations by combining his background in academia and engineering with a great vision for continual progress. The company has supplied solutions and strategy consulting to the world's largest automotive OEMs and has supported customers through the entire transportation and mobility ecosystem.

#### As the world continues to evolve, so does FEV.

That's why FEV is unleashing its technological and strategic expertise into other areas. It applies its forward thinking to the energy sector. And its software and system know-how will enable the company to lead the way making intelligent solutions available to everyone. FEV brings together the brightest minds from different backgrounds and specialties to find new solutions for both current and future challenges.

#### But FEV won't stop there.

Looking ahead, FEV continues to push the limits of innovation. With its highly qualified >7,300 employees at more than 40 locations globally, FEV imagines solutions that don't just meet today's needs but tomorrow's. Ultimately, FEV keeps evolving – to a better, cleaner future built on sustainable mobility, energy and software that drives everything. For the company's partners, its people and the world. #FeelEvolution