



safeCOPP – Safety Collision Prediction and Prevention System

We provide a safe collision-avoidance system by using safe localization technology to help customers to reduce risk of harm to humans and resulting loss of revenue due to safety related stops of operations.

The Project

We are currently developing a very innovative sophisticated safety collision avoidance system in the man-machine co existence context. Our system is particularly suitable for advantages in guaranteeing the observance of brake/safety distances of autonomously moving and/or heavy-duty driving systems. The first field of application (out of whose context it was developed) is the mining industry, where certain existing technologies have to ensure the safety of vehicles, especially with regards to the people moving there. This is currently only possible to a limited extent or sometimes at extremely high extra costs. Here, Boldly Go Beyond's application should bring significant cost and process advantages for mining companies. In practice this should also prevent safety-related mine closures, thus accelerating the payback for the investment/operation of such systems. Beyond the mining industry other fields of application (up to autonomous driving of trucks/cars, logistics, smart farming etc) are conceivable.

The Team

Location: Fraunhofer IESE, Kaiserslauter; Boldly Go Beyond, Mannheim

Members: Daniel Schneider, IESE; Rasmus Adler, IESE; Nishanth Laxman, IESE; Michael Deynet, Bodly Go Beyond

The Business Model

Unique Selling Proposition: Guaranteed safety wrt collisions, 100 participants safely protected, no false negatives, no/low false positives

Unfair Advantage: Our solution is the only one that guarantees safety: All dangerous situations are detected and prevented.

Revenue Model: One time project revenue, recurring streams, after sales repair, acting as OEM

Venture Readiness Level



Technology Readiness Level



The Side Facts

Customer Focus: B2B

Searching For: Pilot customers, interview partners, investors (pre seed → seed phase), shareholders

Industry Tags: Automobile, construction&materials, oil&gas, industrial goods&services, software&services, technology hardware&equipment

Technology Tags: Autonomous mobility, location based services, machine sensing,