

PROJECT

SV2

Machine vision system for road safety inspection- SV2

Funding: European (Horizon 2020)

Duration: Sep 2015 - Feb 2016

Status: Complete

Total project cost: €71,429

EU contribution: €50,000



Call for proposal: H2020-SMEINST-1-2015

[CORDIS RCN : 198875](#)

Objectives:

EU policy is aware to road safety as a social problem of first magnitude, and with 2008/96/EC Directive establishes the need for member states to conduct periodic inspections, audits and safety impact assessment of road infrastructure (95,700 km of TERN-TransEuropean Road Network- and more than 5,700,000 km of entire road network).

The main objective of SV2 project is to improve safety management processes of road infrastructure networks, by introducing into market an advanced and automated inspection equipment, with sensors (accelerometer, gyroscope, magnetometer), a global navigation satellite system (GNSS) based on Galileo technology, image acquisition devices and technology based on machine vision. The information recorded is used for audits, impact studies, safety diagnosis, risk assessment and the adoption of improvement proposals and actions.

SV2 innovation is an automation in road inspection system allowing to cost savings up to 95%, higher yields inspection ratios (km/hour) and unit costs (€/km) lower than current (on foot or video methods). Also offers a competitive advantage over other market solutions with different products (characteristics and status inventory, video inventory viewer, historical and scheduled state of road items, assessment of road heritage) and services (inspection road kilometre, road safety audits, quality control of conservation and maintenance).

Concessionaire companies awarded contracts for road conservation and maintenance need updated information being the priority target market for the commercial strategy. At a second level within this strategy will be included engineering consultants, promoters and private client agents.

The feasibility will give a final document with the business model and growth strategy within INVAR company. Also includes, idea development, market analysis (potential customers, main competitors), operational plan (human, material resources), financial plan (funding, budget,...), patents, and IPRs strategy.

Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Lead Organisation:

Ingenieria Y Vision Artificial

Address:

CALLE COTEROS LOS CACICEDO 19 BLOQUE B PORTAL 5
39608 CACICEDO CAMARGO CANTABRIA
Spain

EU Contribution: €50,000

Technologies:

Safety systems
In-vehicle technologies for navigation and safety

Development phase: Research/Invention

Advanced driver assistance systems
Sensor and Communication Platform for ADAS system

STRIA Roadmaps: Infrastructure

Transport mode: Road transport

Transport sectors: Passenger transport, Freight transport

Transport policies: Safety/Security

Geo-spatial type: Other