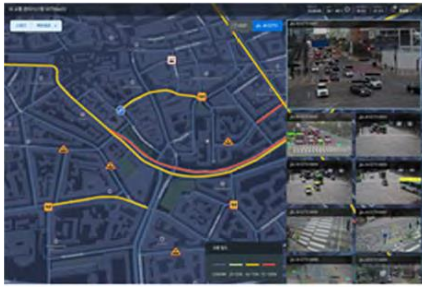


# R&D PROJECT



## PARTNERS

GRACTOR  
COMSA INDUSTRIAL  
COMSA SAU  
OPTRAL SA  
VIRTUALMECHANICS SL  
KAIST  
FLEXYS  
Subcontractor: EuroCAT

## BUSINESS AREAS

COMSA INDUSTRIAL  
ITS  
Infraestructuras  
COMSA, S.A.

## DURATION

2023-2026

BUDGET (CONSORTIUM): 7.050.824,00 €

BUDGET COMSA INDUSTRIAL: 1.132.250,00 €

BUDGET COMSA SAU: 1.135.307,00 €

## KEYWORDS

Intelligent Transport Systems (ITS)  
Infrastructure Health Monitoring (IHM)

## COORDINATORS

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Manuel Alfageme-COMSA INDUSTRIAL

## Project Title

Development of Intelligent Safe Mobility Services to Support Autonomous Driving

## Acronym

SRT4SSM (KSSP)

## Project Content

This project is focused on improving safety, driver comfort, road condition and maintenance efficiency through the development of a platform that incorporates innovative sensing and AI elements. The project will have three main activities: the definition of the initial specifications for the SW interfaces and applications, the design and development of the sensor elements and predictive AI and finally the validation tests of the solution with the analysis of results and final adjustments

## General objectives

SRT4SSM plans to reach maturity up to TRL-6: demonstration of the system prototype in an operational environment, according to the technology maturity levels. The expected result is a platform to have intelligent, sustainable and functional roads demonstrated in operational conditions. The project will enable the development of two new products: AI Edge Pole and AIoT Network Platform; and the significant improvement of three (3) different products: the Distributed Fiber Optic Monitoring System (DFOS), the Road Information Management ADMIN and the information provided to drivers through commercial traffic and navigation applications

## Work packages

WP1 Definition of test scenarios and initial specifications for sensors, sw interfaces and applications

WP2 Design, development and manufacturing of the sensor prototype. Prototype testing in the laboratory and algorithm proofs of concept

WP3 Development of data interfaces and post processing

WP4 Definition of testing protocol and periodic testing of Installation, calibration and adjustment of all systems and subsystems. Pilot tests in real infrastructures

WP5 Develop detection and prediction models

WP6 Analysis of results and final adjustments. Preparation and planning for marketing and mass production plan

## Results and conclusions

Project in progress



*"Financiado por el CDTI"*



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Fondo Europeo de  
Desarrollo Regional (FEDER)  
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