

PROJECT

SANZ Clima

SANZ Telematics: Wireless Innovation for Smart Maintenance in Industrial Vehicles

Funding: European (Horizon 2020)

Duration: Aug 2016 - Nov 2016

Status: Complete

Total project cost: €71,429

EU contribution: €50,000



[CORDIS RCN : 205167](#)

Objectives:

SANZ Telematics offers an opportunity to make more efficient urban transport, helping fleet managers to increase availability of their vehicles, reduce stock costs and manage maintenance parts in a faster and more accurate way. Having telematics data available wirelessly, bus manufacturers, transit agencies and maintenance enterprises can benefit from a real-time knowledge of the status of their units, planning in advance daily operations and services. Customer satisfaction will be boosted due to the fact that probability of failure will be reduced. Preventive maintenance will be done in a precise way using custom and predictive algorithms through smart statistics.

SANZ Clima Telematics reduces 75% of installation costs, 40% of stock control and working capital in purchasing parts and 50% of maintenance costs.

The overall objective is to adapt our existing products to include sensors that will let us know the status of the units remotely, improve our current maintenance service and boost performance of Bus Systems in all of its life cycle. Moreover, we will include telematics in all of our transportation.

In the feasibility study we will analyse the technical viability of the proposed solution tested in a prototype on its real environment (Public bus), study the patentability of the product and analyse the development of new software techniques related to a smart preventive maintenance, smart cities and Internet of Things.

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:

Sanz Clima SI

Address:

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Spain

EU Contribution: €50,000

Technologies:

Condition monitoring
IoT based application for monitoring vehicle's condition

Development phase: Validation

STRIA Roadmaps: Smart mobility and services

Transport mode: Road transport

Transport sectors: Passenger transport

Transport policies: Digitalisation

Geo-spatial type: Urban