

PROJECT

MUGICLOUD

PLUG AND PLAY intelligent transport system for bus and coach sector

Funding: European (Horizon 2020)

Duration: Aug 2017 - Jan 2018

Status: Complete

Total project cost: €71,429

EU contribution: €50,000



[CORDIS RCN : 211263](#)

Background & policy context:

During the last decades, the volume of road transport has increased in the European Union associated with the growth of the European economy and mobility requirements of citizens. In fact, between 2010 and 2015, road freight transport increased by 8,1 % (measured in tonne-kilometres) and road passenger transport around 3,5% (measured in passengers per kilometre - pkm). This growth has led into an increasing congestion of road infrastructure and rising energy consumption, which means economic, environmental and social problems.

Bus and coach are the direct alternative to the car, as their infrastructure allows greater accessibility than other collective ways of transport (such as train or plane) and it offers safety and environmental advantages over other ways of transport. However, in a context in which passenger transport (in terms of pkm) has grown more than 20% between 1995 and 2015, the use of bus and coach has only increased by 4,5% during this period. The reason behind these figures lays on how each way of transport has improved the quality of their service for passengers. Therefore, it is necessary to improve the satisfaction of bus and coach passengers to attract them to this way of transport and thus achieve greater sustainable mobility.

Objectives:

In this context, the company Wirelesscities Networks (WNetworks) has developed, in constant contact with bus & coach SME operators, a new product, mugiCloud. mugiCloud is an Intelligent Transport System (ITS), a Plug&Play product which integrates telecommunications, electronics and information technologies with transport engineering in order to plan, design, operate, maintain and manage transport systems. The system captures data and, through software and new apps already developed by WNetworks, translates these data into information for passengers, drivers and fleet managers.

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:

Wirelesscities Networks SI

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20009 DONOSTIA, SAN SEBASTIAN
Spain

EU Contribution: €50,000

Technologies:

Information systems
ICT support system for multimodality

Development phase: Research/Invention

STRIA Roadmaps:

Cooperative, connected and automated transport, Network and traffic management systems

Transport mode: Road transport

Transport sectors: Passenger transport

Transport policies: Societal/Economic issues

Geo-spatial type: Other