



knowledge
for a better
environment

Solutions for Public Transport Fleet Management

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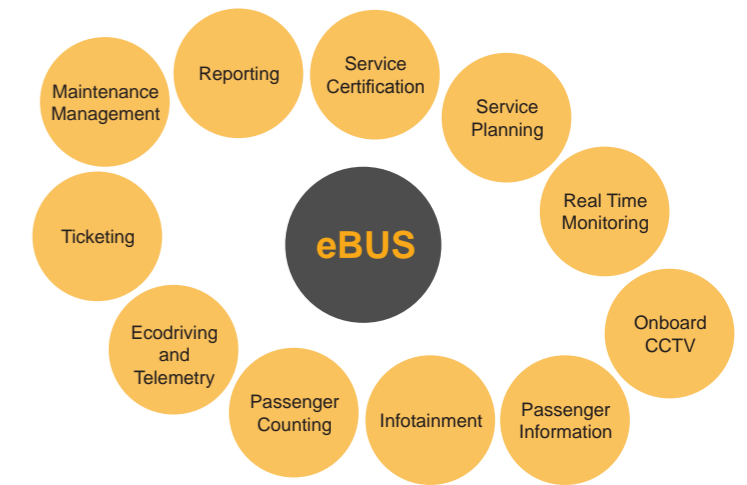
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We deliver turnkey integrated FMS - Fleet Management Systems and RTPI - Real Time Passenger Information Systems to increase the quality of Public Transport Services and real time information to passengers

eBUS

The complete suite for Multimodal Public Transport management integrating bus, tram, metro and ferry services with state of the art hardware and software solutions. eBUS is modular and can be easily integrated with third party systems



Real Time AVL/AVM (Automatic Vehicle Monitoring)

Dispatch, control, regulate and optimize your public transport service with our multi-modal and multi-operator state of the art real time monitoring solution.

With eBUS, operators gain real time control of their public transport services. Information is displayed in cartographic and linear form and any service deviations are easily reported to the operators.

The solution is available in both web and server/client modes according to the needs of the user.

Easy integration with existing external systems such as UTC for vehicle priority at road intersections, travel planners and display controllers for real time passenger information using RTIG and SIRI standard protocols or equivalent.

For transport agencies and PTEs, eBUS allows you to collect real time vehicle position directly from ETM machines using RTIG DAIP on GPRS, or by means of direct system integration with the AVM or RTI systems of transport operators using a SIRI link.

The solution is compliant with FRAME ITS EU architecture and TRANSMODEL database (CEN TC278, EN12896).



Onboard Unit

Use our reliable, ALLinONE onboard unit to manage GPS localization, short and long range communication (3G, 4G, WiFi), onboard data collection, vehicle maintenance data collection, ecodriving, integrated DVR, connection to CCTV and on board displays, providing audio announcements for passenger information and ETM integration.

A touch screen terminal can be added for displaying information.



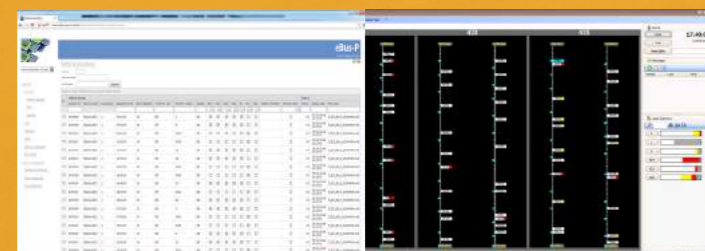
Ecodriving and Telemetry

Save 15% or more in fuel costs thanks to our ecodriving system, which provides real time feedback on driving style and includes powerful reporting tools. Telemetry vehicle data is collected using FMS on CANBUS for the purpose of real time maintenance.



Service Planning

Thanks to our service planning suite, it is possible to easily integrate planned network and service timetables using protocols such as TransXchange (TXC) NAPLAN and GTFS or their equivalent. The suite includes an easy to use tool for design and definition of routes and timetables.



Maintenance Management

Cut down maintenance costs thanks to the automatic onboard detection of potential faults and the powerful tools of our web based diagnosis and maintenance management system.



Reporting and Service Certification

From very detailed info to summary reports for senior management, take full advantage of our reporting tools to extract the information you need and perform analysis to improve your service.

Key performance indicators of your service can be automatically calculated and used as contractual parameters between transport operator and transit agencies.



Passenger Information

Deliver accurate real time passenger information onboard, at stops, on mobile devices and online, thanks to our unique prediction algorithm and multiplatform display manager application.

This solution can be easily integrated with existing or future travel planners and display controllers using a SIRI link or equivalent protocols.



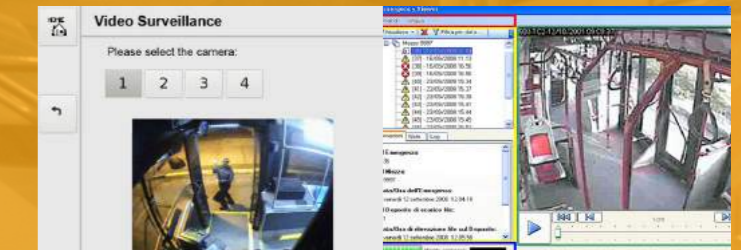
Passenger Counting

Analyse your passengers and optimize resources thanks to our passenger counting systems which is based on active infrared sensors or video processing and includes a dedicated reporting suite.



Onboard CCTV

Attract new customers by increasing security onboard thanks to our CCTV system which combines high resolution DVR recording with real time video transmission to the control centre.



Ticketing

Easily integrate with ETM machines using the DAIP protocol via GPRS, or integrate with our own onboard units.



Infotainment

Increase your revenue by selling advertising spaces on our double sided onboard multimedia systems and combine real time information with location based marketing.

