

ACTIA®



ACTIA® Integrated Systems

Multiplexing, Telematics, Instrumentation & CCTV

total onboard solutions

ACTIA® integrated electronics one-stop-shop

Global onboard electronics and diagnostics specialists, Actia, have been designing and manufacturing the electronic backbone of the UK's buses and coaches for more than 15 years. This expertise now translates to a total integrated solution where multiple onboard components are interconnected on the vehicle. This approach provides high functionality, reduced cost in wiring and installation, as well as greater reliability.

Only Actia designs and manufactures the essential multiplexed vehicle wiring, as well as the dashboard, switches, telematics, driver feedback systems and onboard CCTV. These systems are therefore integrated into the vehicle's electronic architecture in the factory, rather than being bolted-on later. In addition, systems integration is possible on many vehicles as an *integrated retrofit* solution, bringing older vehicles up to current OEM specification. No other supplier can offer this complete package.


TELEMATICS



Actia's Eco-Fleet™ Telematics is designed to provide real savings in fleet running costs. Our telematics hardware integrates with multiple onboard systems: multiplexed electrical architecture, dashboard, driver feedback, CCTV, passenger counting, ticket machine and tachograph. This enables comprehensive fleet reporting and - unique to Actia - full OEM remote diagnostics*.


*on vehicles fitted with ACTIA MultiBus electronics

MULTIPLEXING

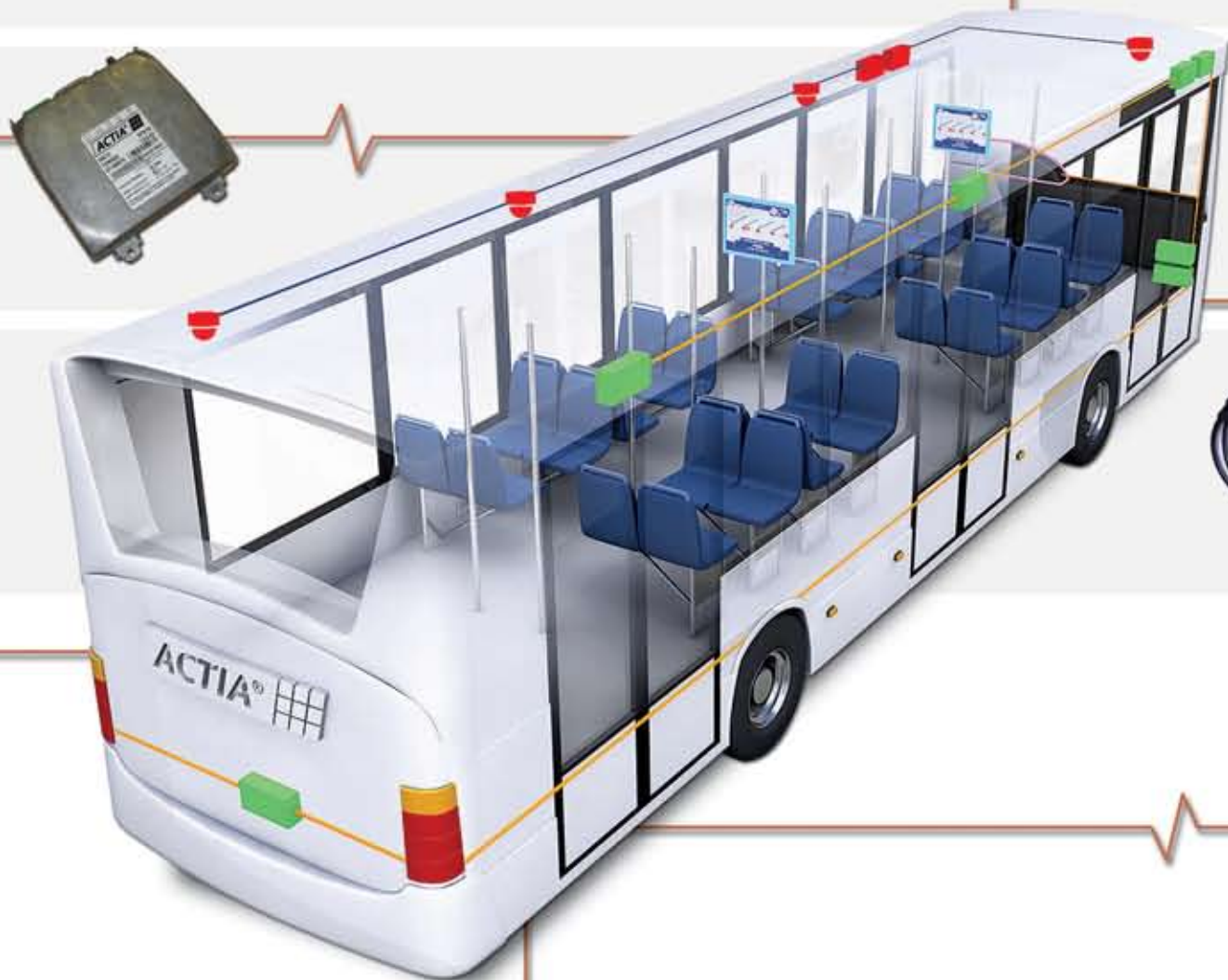


Actia specialises in CANBus technology and multiplexing, systems which simplify wiring to onboard electrical components. This technology is highly flexible and opens the door to onboard systems integration. Actia's MultiBUS multiplexed wiring system is fitted to around 75% of buses and coaches manufactured in the UK.

CCTV



Developed specifically for vehicle use, Actia's BOP CCTV systems integrate with the vehicle's electronic architecture, and thereby record not only images from cameras, but also data from onboard systems. On many vehicles, no bolt-on controls or extra driver's monitor are required, as these are included and styled-in to the driver's instrumentation and switchpanel.



DRIVER FEEDBACK



Modern bus fleet operation requires modern solutions to optimise fleet running conditions and remain competitive. Actia's *driverAID* in-cab driver trainer actively assists the driver to achieve improved fuel economy, passenger comfort and safety.




DIAGNOSTICS



ACTIA's extensive experience in diagnostic development both in OEM and aftermarket sectors, means we can provide easy-to-use diagnostic solutions designed to keep the fleet moving. With the integration of telematics, remote diagnostics is now a reality, saving even more time and money in reduced downtime, fewer callouts and better workshop planning.



PASSENGER COUNTING



Actia's Automatic Passenger Counting solution combines Actia Telematics with a high accuracy stereo camera system utilising advanced pattern recognition. This provides passenger data to the operations manager such as total passenger distance and average passenger load. In addition, the number of passengers getting on and off the vehicle (and where) allows verification of ticket machine data and route optimisation, while MPG and CO2 per passenger are also available enabling assessment of passenger carbon footprint.

Multiple systems. One solution. One supplier.

Also from ACTIA® integrated systems....



Who is Actia?

Since it was founded in 1986, the ACTIA Group has developed on the booming market of electronic systems for vehicles and is now a major player in its two principal areas of expertise: firstly, onboard electronic systems for bus and coach, truck, industrial, agricultural and military vehicles; secondly, electronic diagnostics, garage and MOT equipment for repairing and testing vehicles. From designing products, to supporting and servicing them on the ground, ACTIA draws on all its expertise. The Group's ability for innovation is backed by an annual investment of 15% of sales in engineering design, and through the performance of Research & Development units numbering nearly 400 engineers worldwide.

ACTIA have worked with OEM vehicle manufacturers for many years. This experience has enabled the development of total vehicle solutions, providing customers a fully integrated vehicle with all systems designed in and fitted at the point of manufacture. Fleet operators and drivers are already experiencing the performance and efficiency benefits of integration.

Own Manufacturing

Unlike many of its competitors, the ACTIA Group manufactures many of its own products at two main industrial sites: one in the south of France specialising in technical and complex products in short runs concentrated in particular on the aerospace sector. With more than 3 million printed circuit boards produced a year, the other site, located in Tunisia, focuses mainly on long production runs for the automotive sector.



Global Resource

Backed by its international network, its Research and Development teams' ability to innovate, and the performance of its production facilities, the ACTIA Group offers its customers global solutions with totally controlled costs, quality and deadlines.



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