



## PRESS RELEASE

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# The ACTIA TGU-R 4 G W telematics solution pushes the boundaries of secure connectivity

ACTIA is boosting its TGU-R off-the-shelf telematics solution and launching a new version: the **TGU-R 4 G W**. This new digital solution has kept the features that have made TGU-R successful and offers increased performance, particularly in terms of **network coverage** (4G) and data **processing power**. The TGU-R 4 G W has already been certified for use in **35 countries** and is set to become **THE benchmark** for connectivity in the well-established bus, coach and special purpose vehicle markets.

### TGU-R: 25 years of experience in telematics for industrial vehicles

ACTIA's new telematics unit has all the advantages of the first generation unit: cyber security, flexibility, openness, multi-connectivity, 4G/BT/WIFI, multi-communication, CAN, USB, Ethernet, etc. It is the result of 25 years of experience in telematics for both industrial and light vehicles, with no fewer than **7 million ACTIA telematics units** sold worldwide\*. It has been made more robust to adapt to the construction, agriculture and bus and coach markets, where it has been a great success, and is now attracting manufacturers or integrators of municipal vehicles or fire engines.

### Power and network coverage

TGU-R 4 GW incorporates the **latest generation of modems** for enhanced performance such as:

- Greater computing power to expand the range of complex applications
- Better global network coverage, reducing "dead zones" in large countries such as Australia and Brazil. The new TGU-R 4 G W is not only GPS compatible but also BEIDOU and GALILEO compatible.

### Pre-emptes cybersecurity standards

Prepared to **WP29 UN ECE155** standards, the TGU-R 4 G W pre-emptes new **cybersecurity** regulations with advanced features, such as encryption and dedicated keys for installation and application updates. In line with its "**Security By Design**" approach, ACTIA integrates the security requirements for on-board systems from the design stage of its products in an ISO 27001 certified environment

### A smooth transition for existing customers

ACTIA attaches great importance to continuity in the development of its products. Therefore, the electrical and mechanical interfaces of the TGU-R 4 G W are identical to those of the current TGU-R, in order to guarantee "plug-and-play" for existing customers. As regards software, this product has also been designed to require minimal application porting effort, which is very welcome for customers who need to manage several types of machines.

### A dedicated global certification team

The TGU-R 4 G W is already certified for use in **35 countries**: in Europe, North America and Canada, as well as in Japan, the United Kingdom, Australia, New Zealand, Brazil and Mexico.

ACTIA has a team dedicated to these global certifications. This team relies on the Group's subsidiaries around the world to obtain local certifications from approved laboratories in the various countries. This arrangement is therefore a significant advantage in a world that is increasingly protectionist and where countries' regulations are constantly changing.

### Endless IOT applications for operators and manufacturers

The TGU-R 4 G W is a digital solution for improving vehicle efficiency and reliability. It offers a wide range of applications for the safety and profitability of machine operators.



For manufacturers:

- Build customer loyalty by offering warranty contracts:
- The collection of telemetric data makes it possible to calibrate warranty contracts and prepare the new generation of machines. TGU-R also paves the way for innovation by enabling **e-commerce** strategies to be developed directly with the machine owner.

For operators:

TGU-R helps to maintain **machine utilisation rates (MUR)** and **reduce operating costs**:

- with remote diagnosis and real-time troubleshooting even in remote areas, OTA technology
- by pre-empting preventive maintenance campaigns
- by improving the management of electric vehicle batteries and extending their life span
- by optimising the distribution and route maps of municipal vehicles
- by reducing theft or misuse of equipment (out of contract), etc.

It also allows an **effective safety policy** to be implemented upstream and on site:

- TGU-R identifies dangerous behaviour in order to implement an effective safety policy upstream and on site.
- It allows buses to comply with the speed limits in speed limit zones depending on their position. TGU-R is already in use on some London buses, for example.

This new ACTIA platform represents **strong growth prospects** for ACTIA telematics, not only with its long-standing customers who, by renewing their platform, are reaffirming their confidence in ACTIA, but also with integrators, who see the TGU-R 4 G W as an **extremely comprehensive retrofit solution**.

The new solution will permanently replace the old one at the end of 2023.

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## ABOUT ACTIA

Founded in 1986, the ACTIA Group is a family-owned, medium-sized international company with its head office in France. This family aspect guarantees the Group's sustainability and independence, with a constantly renewed entrepreneurial drive. ACTIA designs, manufactures and operates electronics for system management in the highly demanding automotive, rail, aeronautics, space, defence, energy, and telecommunications sectors.

ACTIA's commitments are reflected in the Group's ambitious work on key issues affecting the world today, such as mobility, connectivity, safety, and the environment. ACTIA's high level of expertise in the production and design of its products guarantees top quality. All of the Group's employees uphold this high standard of quality within a fully certified environment.

## KEY FIGURES

- 2021 Consolidated Turnover: €462,8 million.
- Approximately 3,600 employees worldwide.
- 28 sites in 16 countries.
- 14 to 17 % of turnover invested in R&D each year.

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