

SAFEASY200 ACTIA'S TRACKSIDE SAFETY WARNING SYSTEM IS APPROVED BY SNCF

ACTIA Telecom, the ACTIA Group's telecommunications division, is deploying its **wireless** trackside safety warning system on several railway track work sites on France's railway network. This second-generation radio warning system is one of the first in the market to cover a work site over 1 km long.

The system ensures **the safety** of track maintenance and service personnel. It is **flexible** and **easily installed**, meaning that it can be quickly deployed on work sites. These features have won over warning service providers as well as the French railway operator, SNCF, which is conducting a major maintenance and modernisation programme on the French railway network.

HOW DOES IT WORK?

The SAFeasy 200 wireless trackside safety warning system consists of:

- a central warning unit (CA) for the head security officer,
- two warning boxes (BA), automatic or manual,
- a succession of audible and visual warning devices (ASL), on tripods or on the ground,
- a range of accessories for using the system in a number of configurations.

The SAFeasy 200 warning system alerts personnel working close to the railway track when trains are approaching. In manual configuration, the watchman uses their portable warning box to announce one or more train movements towards the work area. This triggers the audible and visual warning via the radio link on all the audible and visual warning devices in the work site. Once the train has left the work site, the Personnel Safety Officer (ASP) resets the system manually via the central warning unit.

ENHANCED RADIO PERFORMANCE:

The radio coverage ensures very good availability on work sites covering long distances.

The digital radio system integrates a space-diversity reception solution in the form of two antennas. The robust radio transmission covers distances of 1 to 2 km between the warning point and the central unit. The chosen technology is suitable for multipath propagation. It is ideal for work sites in wooded areas, or with bends and obstacles (engineering structures, bridges, walls, vegetation, etc.).

Finally, the fully wireless system makes the installation and operation of the trackside safety system easier and highly reliable. It thus avoids the risk of any wire breakages and loose connections during the work.

"The portable radio warning device (DAPR) is a major breakthrough in the field of railway safety. It provides enhanced reliability and safety, while reducing costs for the customer. In addition, it offers career development opportunities for operators. Customers in France have strong expectations regarding the development of this technique. ACTIA's SAFeasy solution delivers high reliability at low costs. Our feedback is also very positive on ACTIA Telecom for the high-quality, responsive support it provides during the implementation of this solution."

Gwendoline Barthelmé, Director of FVF, a subsidiary of NGE, specialised in railway safety.

FVF was recently qualified in the DAPR segment by SNCF Réseau.

ACTIA TELECOM: MORE THAN 30 YEARS OF RADIO EXPERTISE

ACTIA Telecom has solid expertise in radio frequency systems. The Telecoms Division based in Millau (France), has been offering Train-to-Ground transmission products, systems and services for railway equipment manufacturers for more than 30 years, and has in the past developed a range of Digital Terrestrial Television transmitters.

See ACTIA's complete offering for the railway market: <https://railway.actia.com/>

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

- 2020 Consolidated Turnover: €438.6 million.
- Approximately 3,720 employees worldwide.
- 24 sites in 16 countries.
- 14 to 17 % of turnover invested in R&D each year.

PRESS CONTACT

vaiana.krieger@actia.fr