AITEK’S TECHNOLOGY FOR PUBLIC TRANSPORTATION: COMMUNICATION AND SECURITY IN MOTION

Aitek has provided a complete solution for video surveillance and passenger information on the bus of RDT13, a public transport company of the southeast of France.
Improving the quality of service and safety of public transport: this is the main goal of the solution implemented on board of 60 buses serving the line Marseille-Aix En Provence, where Aitek’s video surveillance and digital signage platforms are integrated in a single embedded on board unit. The solution includes all features for video surveillance and alarm management, and applications for the distribution of audio, video, web contents and messaging on LCD monitor.

A single device on board includes a digital video recorder, a GPS tracking system and a multimedia player for the transmission of advertising, news and passenger information.

**Video security**

The video surveillance system, based on the Aitek’s AiVu platform, manages two on-board cameras of each bus for monitoring the passenger compartment. A web interface allows the control center staff to view live images from the on board cameras, consult the archive of recordings and download the videos related to a specific date / time.

**Digital Signage**

Aitek’s TVIP application allows the time-based broadcasting management of two on-board monitor with live content and playlists consisting of audio / video clips, slides, texts, links to websites, news feeds, rss, and the creation of layout, channels and schedules.

A simple and intuitive graphical editor allows the definition of areas within the monitor layout, in which multimedia contents are displayed.

**On-board devices monitoring**

Based on the Aitek’s Upview application, the system is a real diagnostic tool that collects reports of anomalies from the buses. The reports concern malfunction of the cameras or videorecorder, lack of network connection or GPS coverage, but also alarms generated as a result of a panic situation or danger inside the bus (such as alarms generated by pressing the emergency button located inside the driver’s cab).

### Features

- A single in-vehicle device equipped with a digital video-recorder, a router for connections to the network and a GPS receiver
- Two on-board IP cameras for monitoring the interior of the buses
- A powerful media player inside the device can be fully programmed from a Content Manager application from the control center
- All kind of media and contents and crawling tickers can be reproduced on two screens mounted on board

### About Aitek

Aitek is a leading company in the design and implementation of innovative technological solutions. It designs and implements intelligent systems for transportation and traffic, video surveillance for security, digital signage for communications.

Since 1986 Aitek has consolidated its presence on national and international markets thanks to its continuing partnership with leading companies and its constant attention to technological evolution. Aitek is one of the few Italian companies to have been awarded by the European Union the prestigious IST Prize for technological production.

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