



Arteco solutions for EAV: railway transport, mobility and safety

CASE HISTORY

In contemporary cities, public transport infrastructures are fundamental communication networks that allow the movement of people, vehicles and goods.

As they connect large and densely populated urban areas, safe and efficient operation must be guaranteed to avoid dangers for travelers and economic losses for managers and those who use them for the transport of any type of asset. Arteco has developed its expertise in the sector, offering solutions dedicated to the management of safety systems and efficiency of critical infrastructures such as railway networks and stations.

The case of Ente Autonomo Volturmo is a striking example of how the open structure of our software and the reliability of the recording hardware can be applied to the service of a large urban transport network.

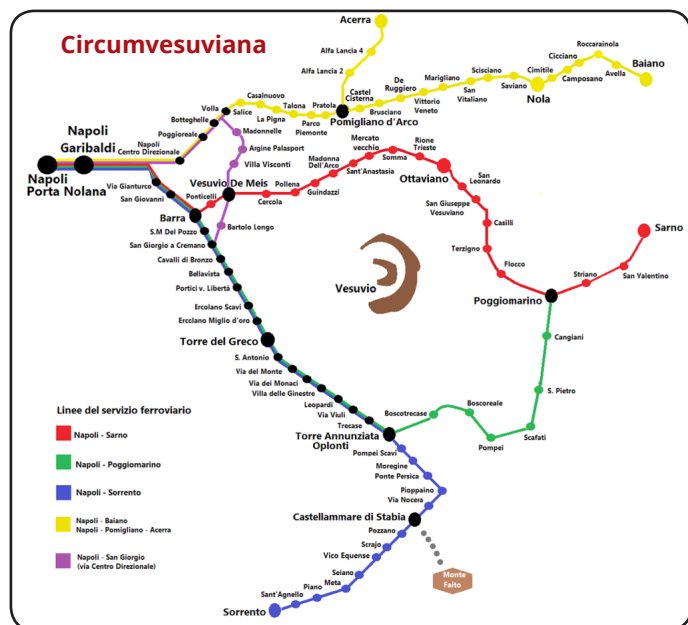
END CUSTOMER

Ente Autonomo Volturmo (EAV) is an Italian company with a longstanding tradition.

Founded in Naples in 1904, today it incorporates the Circumvesuviana, MetroCampania NordEst and Sepsa companies, becoming the only railway company in the Campania Region.



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Circumvesuviana:

6 suburban lines that connect the towns of Vesuvius area, southwards to the Sorrento peninsula and eastwards in the zone of Sarno and Baiano



MetroCampania NordEst:

3 railway lines connecting Naples to the northern metropolitan area, Benevento and Caserta.

With **11 railway lines and 160 stations**, EAV guarantees the mobility of 55 million travelers per year in the most densely populated area of Italy and among the top three in Europe. The integration of services is the basis of the company's success, which also offers travelers a widespread bus service and the connection with further transport services developed in the area, such as the subway and the national railway network.

INTEGRATOR

Gecopra Telecomunicazioni is the company that has dealt with the installation of the security systems and the integration in the Arteco software of cameras and devices that cover the railway lines and bus depots managed by the company.



Gecopra, founded in Naples 1988, has been working for years in Italy and Europe for private companies and public institutions, specializing in the design, construction and maintenance of **telecommunications networks, VOIP and telephone systems, video surveillance and access control installations.**

THE CHALLENGE

In an area with such a high population density, ensuring the efficiency of the service and the right to mobility are a daily challenge for EAV.

The first need is certainly related to the **safety of personnel** working on the vehicles, as well as of passengers and passers-by who simply pass through the 160 stations distributed throughout the region.

The **preservation of the infrastructures** is another significant challenge for the company, which must face **dangerous intrusions** that might pose a threat to people and vehicles, and **theft of cables** that could interrupt normal service. Lastly, the **protection of vehicles from theft and vandalism** inside the railway and bus depots is accompanied by the protection of street art pieces that decorate most of the stations from unauthorized writers.

In order to allow all users of vehicles and infrastructures to freely and safely use the services provided by EAV, the company has recently installed additional **video surveillance systems integrated in 8 stations of the lines of the Vesuvian Area (Ex Circumvesuviana), in 4 of the Flegrea Area (Ex Sepesa) and in 2 bus depots in Ischia and Sorrento.**

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THE SOLUTIONS ADOPTED

The security system implemented and replicated in various stations included in the project involves the use of devices from different manufacturers. In detail:

- Perimeter control with AXIS thermal cameras
- Video surveillance with HIKVISION IP cameras
- Audio diffusion with AXIS IP horn speaker

The variety of devices used, however, did not pose any difficulties thanks to the integration in the Arteco NEXT management software and the Arteco 5000 and Arteco 7000 NVR recording hardware.

VMS Arteco Active with Arteco NEXT interface

Designed for medium-large security installations, Arteco Active is the VMS for the management of an unlimited number of servers, cameras and devices installed on different sites: this makes it perfect for the surveillance of large systems located in different infrastructures. **Thanks to Arteco Active's dynamic maps and advanced video analysis, the search and resolution of events is even simpler and more immediate.**

NVR Arteco 5000 e 7000

Ideal hardware solution to manage video surveillance in systems equipped with high resolution IP cameras, without sacrificing design and space. Arteco can manage IP video sources from all major international manufacturers and is compatible with ONVIF™ and RTSP devices.

