

Three transit systems needed ticketing upgrades. We fast-tracked a solution.

Replacing an aging system with contactless ticketing, we helped meet French interoperability standards.



We rolled out three custom-built solutions that are compatible with each other and ready for interoperability.

The Challenge

To meet latest French interoperability standards, the Nice Côte d'Azur urban area council (NCA) needed to replace an aging ticketing system on its 330 buses and tram network. The council wanted to offer passengers online ticket sales and expand its range of services – notably by introducing “sliding” monthly season tickets.

In addition, the department council, which runs 240 interurban coaches, needed to replace its old paper ticketing system with a combined magnetic/contactless solution. That system would be geared to express lines that pass through urban areas where other networks operate.

Finally, the Sophia-Antipolis urban area council (CASA), which operates 130 urban buses, was looking to modernise its ticketing system by switching from paper to contactless.

The Solution

ACS is equipping the department council's 240 interurban coaches with our PCE 415 sale and reloading consoles, which can handle both magnetic and contactless tickets. We are also delivering 30 retailer machines for issuing contactless cards to students.

On express lines running into Nice or Sophia-Antipolis, the console interacts with a next-generation, wide-screen on-board validator that accepts tickets from the respective urban service operators. All data are sent via a secure GPRS to

some 30 depots. And each bus is equipped with a master validator that exchanges data directly with the automatic vehicle monitoring system. Ten sales machines round off the solution.

The Results

ACS provided the operators of the Nice and Sophia-Antipolis urban networks and the department's interurban bus network with complete custom-built solutions. We developed the entire solution and rolled it out on schedule. It comprises:

- A central system
- Combined equipment, including 780 validators and 40 state-of-the-art handheld readers/decoders
- An online ticket sales service.

The system, initially running with the existing card, is ready to accept contactless ticketing. In so doing, we've laid the groundwork for them to become interoperable.

“ACS had already deployed our ticketing system and offered us an efficient, optimised solution... They are capable of rolling out this type of upgrade, with interoperability in mind.”

Yvette Lartigau, Transport Manager,
Nice Côte d'Azur Urban Area Council (NCA)

Sector: Public Transportation

Solution: Ticketing System

Client: Nice Côte d'Azur urban area council; Alpes-Maritimes department council; Sophia-Antipolis urban area council

Challenge: Upgrade public transportation ticketing system and ensure readiness for interoperability

Result: Rolled out three custom-built solutions that are compatible with each other and prepared for interoperability

Contact Us

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The Bottom Line

To meet French interoperability standards, three public authorities needed to replace aging ticketing systems with a contactless solution on their buses and tram network. We provided them with a central system,

new validation and read/decode equipment, and an online ticket sales service. The system is ready to accept contactless ticketing and become interoperable.



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