



Achieving door-to-door mobility

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Millions of commuters around the world are demanding innovative services that make their lives more convenient. What better way of meeting this demand than to harness something that most people use all day, every day – their cell phone? This is why Gemalto has joined forces with public transport operator RATP, railway company SNCF and mobile network operator (MNO) Orange in a venture that will ensure citizens will soon only need their mobile devices to enjoy door-to-door travel.

The joint venture – Wizway Solutions – is committed to developing contactless mobility solutions to improve the daily lives of travelers. Building on the expertise of each of the partners, Wizway Solutions is offering transport organizing authorities (TOAs) and transport companies a modern and simple-to-implement mobile ticketing solution that will make door-to-door mobility a reality. The four founding members each hold a 25% share in the venture, which is open to all MNOs or mobility actors. This groundbreaking initiative is supported by France's Ministry for the Economy, Industry and Digital Affairs and its Ministry for Transport, which are driving ambitious plans aimed at promoting the use of digital technologies by the nation's citizens.

Addressing a public challenge

Getting people out of their cars and onto public transport is a societal and environmental issue that requires attractive and reliable services supported by convenient ways to access transport networks. Wizway Solutions' service is an important step in the right direction. By enabling mobile ticketing for all fares and all modes of transport, it will be possible to have a 100% user-oriented mobile experience. Travelers will be able to do anything, anytime, anywhere with their cell phones – from obtaining information and buying tickets to passing through access gates.

Appeal for mobile services

Citizens are increasingly using their phones to access innovative services. They think it will be a natural evolution to use them to travel. In fact, according to Gemalto's June 2015 Mobile Ticketing Service for Public Transport survey, 9 out of 10 people are ready to use their NFC-enabled handsets for travel. And they also want to be confident that if their phones are switched off or the battery goes flat, they can still use them to make their journey.

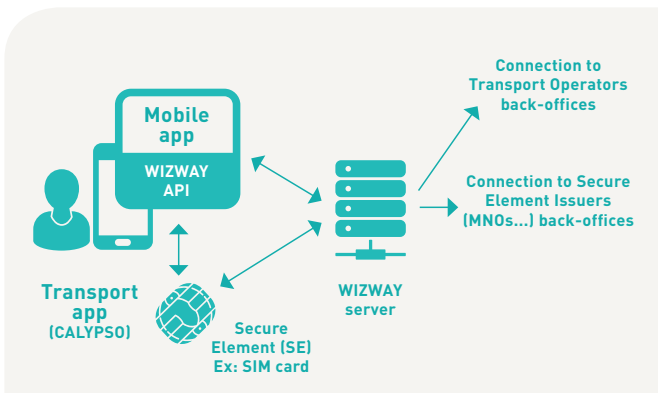
By using mobile devices compatible with Near Field Communications (NFC) technology, passengers will be able to purchase every type of ticket with their carrier's or transport operator's mobile app, and then store them securely on their SIM cards. When traveling, they will simply need to pass their cell phones over transport readers or present them to ticket inspectors. There is also a need for interoperable services between cities to provide users with a seamless and homogeneous experience throughout their trip.

The solution

Wizway Solutions' offering incorporates the Calypso international contactless standard, which is widely used in France and in other countries around the world, along with NFC technology for cell phones. It will be compatible with the various operating systems used by mobile device manufacturers as well as those of telecoms operators in France and, in the medium term, with other technologies used in international markets. The hub solution will be able to incorporate new transit standards and manage other Secure Elements (SE).

Wizway Solutions enables contactless services via a smartphone by simply integrating an API in a mobile application. Its reliable SaaS offering guarantees a high-performance, interoperable and scalable solution.

Achieving door-to-door mobility with Wizway Solutions



Architecture

The Wizway Solutions platform lies at the heart of the solution. Using a mobile app and a Calypso secure app that's stored on the handset SIM card, the traveler can purchase tickets at any time and in any place. The server connects to the back offices of transport operators and issuers such as MNOs (see diagram) to provision the SE.

Benefits of the solution

All-inclusive: Wizway Solutions handles all technical details, developments and technological upgrades to deliver a flawless customer service.

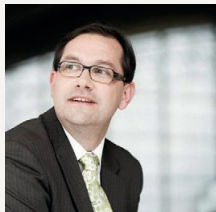
Secured: Tickets are stored in the mobile device's secure memory, making counterfeiting and copying impossible. Only the service provider can access the user's personal data.

Ready to use: Wizway Solutions allows seamless implementation without any additional investment in equipment.

Gemalto's role

Gemalto is playing a key role in the development of Wizway Solutions. Its delivery of a Trusted Service Hub (TSH) ensures Wizway Solutions has access to Gemalto's global expertise in transport, payments and telecoms. Its technical and project expertise is vital to the venture, which gives TOAs and transport companies access to a modern and simple mobile solution that facilitates door-to-door travel and complements their existing ticketing systems. Numerous MNOs and handset makers in Europe and Asia are already connected to Gemalto's secure hub, offering an incomparable user reach to service providers.

A word from Louis Brosse, CEO, Wizway Solutions



Wizway Solutions is the product of the world's first consortium dedicated to mobile contactless ticketing, and involves four leading companies in mass transit and mobile. What was the driving force behind these four partners to make this project successful?

The four Wizway Solutions partners brought their expertise to this project with a shared objective: to make the daily lives of millions of commuters easier.

Its solution is already available and giving transport authorities a safe and easy-to-implement turnkey system for door-to-door travel.

What strengths does Gemalto bring to the consortium?

It benefits Wizway Solutions in three areas:

- > By being a shareholder: Gemalto is providing financial and strategic resources to support the consortium.
- > By being a supplier: Security is vital for mass transit ticketing solutions. Gemalto's TSH solution is enabling

Wizway Solutions to benefit from its expertise in banking and telecoms markets, allowing fast and secure mobile enrolment for advanced ticketing solutions.

- > By being a commercial partner: Gemalto is already a leading provider of mobile solutions worldwide. Its footprint will help the development of mobile ticketing beyond the initial implementations. Wizway Solutions' and Gemalto's complementary offers together provide customers with a robust solution.

How do you see Wizway Solutions evolving over the next five years?

Wizway Solutions has launched the first version of its system. Within the next three years, it will be providing a broad portfolio of mobile ticketing solutions for smart cities in Europe and internationally, integrating multiple standards and security framework technologies.

Louis BROSSE
CEO, Wizway Solutions

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