



How SEMOVI used Calypso Prime to combat fraud, increase interoperability and grow passenger trust in Mexico



Mexico City is home to over 22 million people, and one of the world's largest and busiest public transport networks.

Secretaría de Movilidad de la Ciudad de México (SEMOVI CDMX), the public transport authority for Mexico City, works with eight different transport operators to provide transport to all citizens. To cater to the varying needs of both tourists and residents, SEMOVI created the Tarjeta Unica de Movilidad Integrada (in English, the 'Single Integrated Mobility Card'), which provides seamless and interoperable contactless ticketing for all forms of public mobility services.

To achieve this, SEMOVI utilised Calypso Prime, a highly secure and flexible ticketing tool designed to support a wide range of applications and platforms.

THE SITUATION

Currently, the biggest infrastructure trend in Mexico City is the expansion of its public transport network, designed to fight urban inequalities and provide a quality service to inhabitants on the peripheries. This led to a further extension of the metropolitan area by connecting two metropolises with an intercity fast train.

As a true megacity, with over five million daily journeys taken across 8,000 square kilometres, the ticketing offer in Mexico City needed to be flexible and interoperable to enable seamless journeys across the broad network that supports tourists, workers, and students alike.

THE CHALLENGE

Like many urban areas, fraud was a big challenge in Mexico City. Due to outdated technology, bad actors were able to reproduce fake smartcards for use throughout the network and advertise their use on social media.

Additionally, the lack of technical capacity from local transport authorities and use of black-box solutions resulted in a procurement process that was not transparent or competitive, and prevented fair, productive conversations taking place between industry and government.

THE SOLUTION

To overcome this, Mexico City invested heavily in a public transport system where all citizens are considered first class passengers.

By investing in innovative and open tools, such as Calypso Prime, SEMOVI was able to offer increased functionality and level the playing field with integrators. As Calypso is committed to open standards, SEMOVI can now offer a lower barrier of entry for the technological integrators who wish to offer their services. By increasing competition both technically and economically, the city gains more control over its transport system.

This enabled Mexico City to deliver a ticketing offer that functions across multi-service and mobile. Forming the foundation of the Tarjeta Unica de Movilidad Integrada travelcard, Calypso enables both cross-border and cross-network interoperability.

WHAT IS CALYPSO PRIME?

Calypso Prime is designed for interoperability. It offers flexible ticketing across a wide range of applications and platforms and is compliant with international standards and GDPR.

With more than 16 contracts available, Calypso Prime enables access for multiple applications in the same card. In short: it enables transport authorities and operators to build and master their own interoperable, seamless, flexible and affordable contactless ticketing systems.

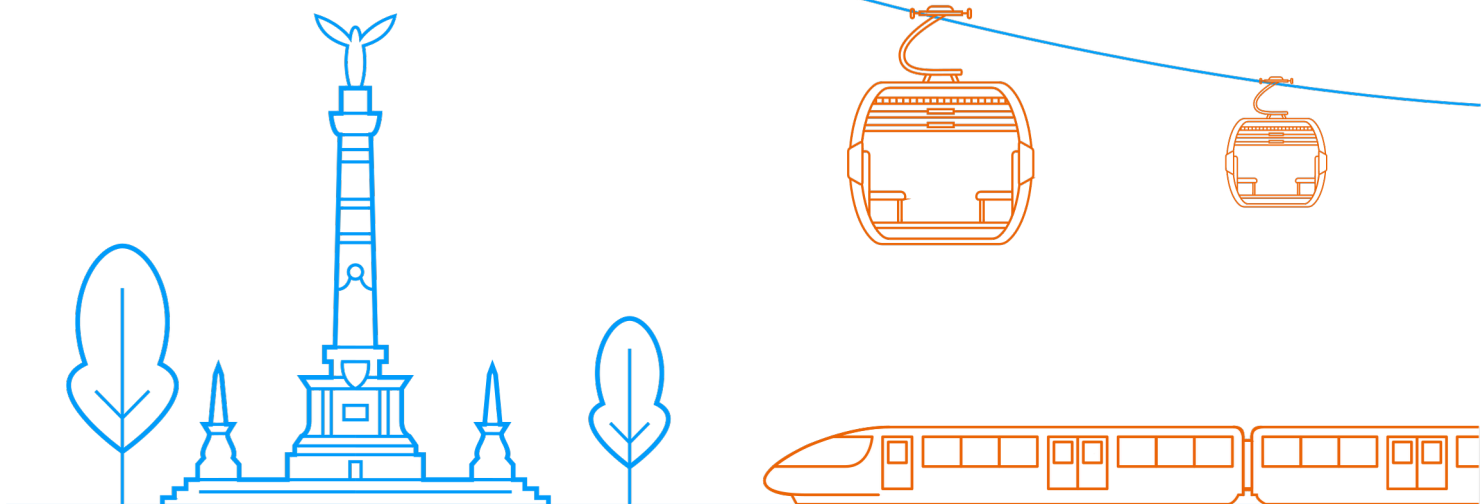
THE RESULTS

Since deploying the Calypso Prime solution, Mexico City has witnessed a sharp decline in ticketing fraud. By using a ticketing tool that offers built in security, it is now much more difficult for bad actors to clone fake travelcards. This returns more ticketing revenue to the authority, which can then be reinvested in the city's continued transport infrastructure development.

SEMOVI's investment in Mexico City's transport system has also created many benefits for end users across the state. The Tarjeta Unica de Movilidad Integrada is the first of its kind to offer transport ticketing across several networks in the State of Mexico. This improves the mobility of tourists, commuters and casual users who now benefit from efficient and interoperable transport.

By utilising Calypso standards, SEMOVI is not at risk of vendor lock-in. The ticketing system procurement process has become more transparent and competitive as a result, restoring public trust in the transport authority and increasing flexibility for the future of mobility.

"SEMOVI CDMX has delivered a remarkable transformation of public infrastructure in Mexico City, championing Calypso open standards as a cost-effective way to help address urban inequalities by providing more users with accessible ticketing."



Find out more:

- ➔ [Why Calypso?](#)
- ➔ [Calypso Prime Brochure](#)
- ➔ [Calypso Live](#)
- ➔ [LinkedIn](#)