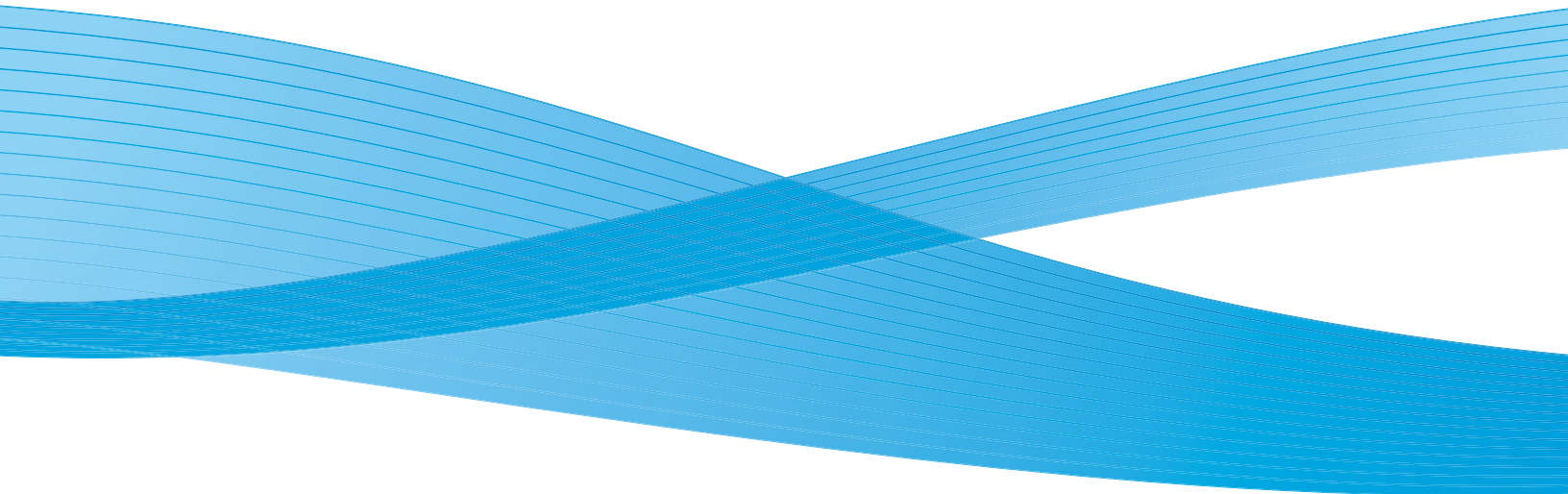


It took years for a  
transit system to age.  
It took us six months to refresh it.

Mexico City's 21 million people now  
enjoy freer traffic flow on the city's bus  
and underground network.



# We deployed contactless ticketing for the Metrobùs network in four months – and for the underground in six.

## The Challenge

A sharp increase in urban traffic was behind Mexico City Federal District's decision to reorganise its public transportation systems. This megalopolis, with a population of 21 million, had an underground network and a highly diverse fleet of 130,000 private buses.

The city needed to launch a whole series of operations to modernise its networks. Contactless ticketing played a major role in the creation of a bus line operating in dedicated lanes, as well as on the underground, with 500,000 people entitled to contactless cards.

The Environment Ministry quickly called in ACS for a first-of-its-kind BOT (Build, Operate, Transfer) contract solution.

## The Solution

For the city's Metrobùs network, we deployed a contactless ticketing solution in just four months. We installed validators and distributors at the line's 36 stops. They're controlled by a central system that guarantees the reliability of data and ensures a secure solution for both operator and passenger.

To maintain a delicate economic balance, the 400 small companies that had previously operated the "troncale" routes formed a federation. The central system, which guarantees the security of the data received by the validators, is the backbone of the

harmonious relations between Metrobùs, Imbursa and private operator-drivers.

Meanwhile, underground, we took only six months to deploy a contactless ticketing upgrades to 365 machines – despite a wide variety of equipment spanning no fewer than five generations. For underground operator Sistema de Transporte Colectivo Metro, we integrated two types of contactless cards: CD light cards for passengers entitled to free transport, and Mifare cards for prepaid tickets.

## The Results

The transit network's 180,000 daily passengers quickly adapted to the pay-as-you-go card, which is flexible and inexpensive. It can be recharged at vending machines at all stops. The "troncale" is Mexico City's first bus route to use dedicated lanes, crossing the capital from north to south. Its 36 stops are accessed via contactless turnstiles. Passengers wait under glass structures, which remain closed until each bus arrives.

## Contact Us

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**Sector:** Public Transportation

**Solution:** Contactless Ticketing

**Client:** Mexico City

**Challenge:** A dated transport network struggling with increased traffic

**Result:** A system-wide upgrade to contactless ticketing for busses and underground

## About ACS

ACS is part of Xerox's \$22 billion global enterprise, with 130,000 employees serving our clients in 160 countries.

You can learn more about us at [www.acs-inc.com](http://www.acs-inc.com).

## The Bottom Line

Mexico City, population 21 million, needed to modernise its public transportation systems to accommodate increased traffic. As part of an unprecedented Build/Operate/Transfer contract, we deployed

a new contactless ticketing system for the city's Metrobùs network in just four months – and for the underground in just six months. The result is freer traffic flow for the network's passengers.



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