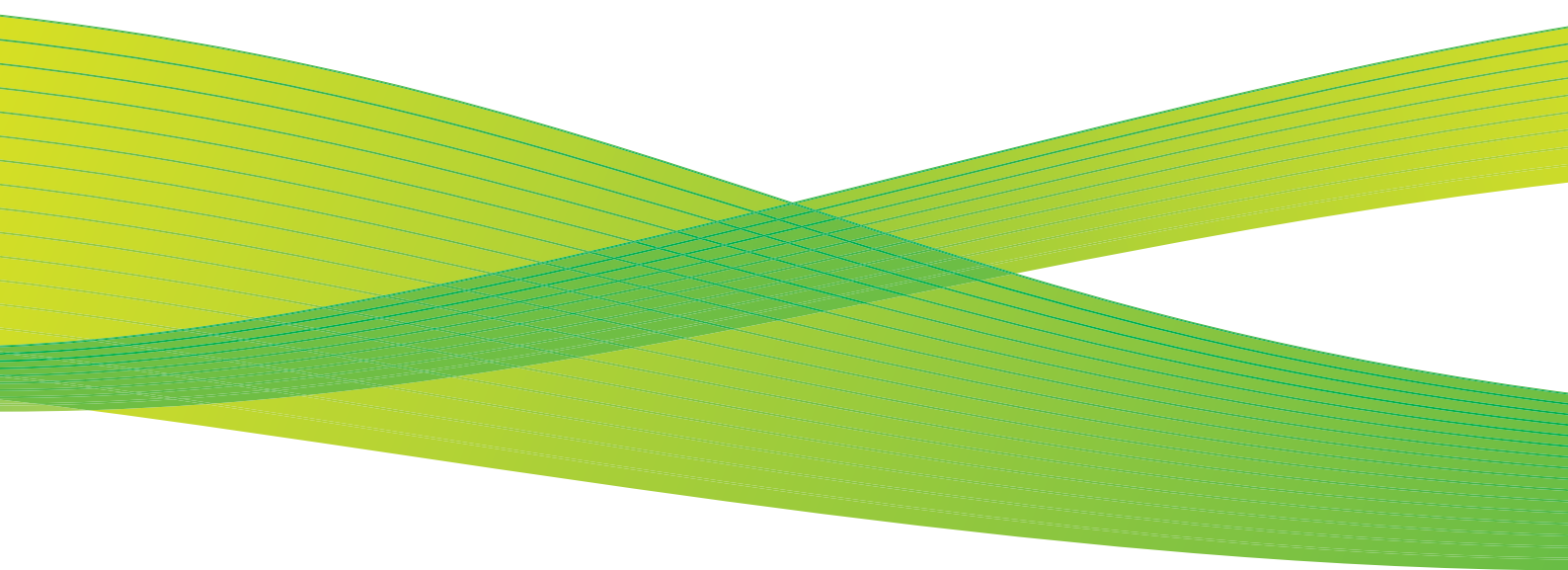


Lima faced a threefold challenge: fluidity, safety, and the environment... We financed the solution!

We created... and financed
the contactless fare collection,
geolocation and passenger
information systems for the
Peruvian capital.



We invested €25 million in a complete solution and guaranteed long term revenue

Funded by the World Bank, the Lima BRT (Bus Rapid Transit) line, the first of its kind in Peru, runs along a right-of-way lane for 30 km to the north and south of the metropolitan area. Forming the backbone of the city's new transport network, it features 49 stations served by a fleet of 308 articulated buses, each seating 160 people. It is connected at the two terminuses and central station to intersecting bus lines, the so-called "alimentadoras". This brand new infrastructure will be served by a fleet of over 500 buses running exclusively on Compressed Natural Gas, replacing older vehicles of all types. The network, which will handle 700,000 journeys a day, will be operated by three companies.

The Challenge

The challenge involved meeting a threefold objective of road safety, fluidity of traffic and environmental efficiency. Lima therefore had to be given an operating organisation structure that would both fulfill expectations and optimise costs. The organising authority Protransporte was looking for a comprehensive ticketing solution that would guarantee safe fare collection, distribute revenue fairly among the three operators, and respond quickly to adjust fares, which are indexed notably against the price of gas. This solution had to be backed by an AVMS (Automatic Vehicle Monitoring System) capable of optimising vehicle turnaround times and providing passengers with constantly up-to-date information. Protransporte found in us a unique partner that could meet all these requirements with a single offer.

In a nutshell...

The BOT - Build, Operate, Transfer – set up by ACS enabled this South American capital of over 8 million inhabitants to rely for the first time on a mass ticketing

The Solution

We shared our public transport know-how with Protransporte, with the added security of our financial capability and experience of Business Process Outsourcing. For an initial investment of €25m, we designed and deployed a fully contactless ticketing system – the complete solution, from the equipment to the interoperable central system. The system is coupled up to the ACS TMS geolocation-based fleet-management system, with the SmartTraveler function delivering real-time information to passengers in the stations or via the Internet. We are in charge of managing and maintaining the network for a period of 14 years via our subsidiary ACS Peru. We oversee, as well, the sale of tickets which can be obtained from three sales offices complemented by a network of outlets. Ownership will be transferred to Protransporte in 2024.

The Result

The inauguration of Lima's BRT on 29 December 2009 marked the beginning of a new era for the city. Its eight million inhabitants now have access to a single, unified transport area with a simple contactless card. They benefit from a clear fare system, reliable travel times and frequent services – one bus every two minutes on the BRT – and real-time information on traffic conditions. Last but not least – they are breathing fresher air!

system – contactless and interoperable –, with a fleet management and passenger information system.



Sector: Local government

Solution: Fare collection

Client: Protransporte, Lima, Peru

Challenge: Providing Lima's new bus and BRT network with an efficient, secure and interoperable supervision solution

Result: Deployment and operation of a cutting-edge operating system and 100% contactless ticketing in the context of a customised BOT (Build, Operate, Transfer) scheme

Key Figures

Network

- 49 BRT stations over 30 km
- 308 articulated BRT buses, each seating 160
- 229 feeder buses
- 3 transport operators

Equipment

- 1 interoperable central system
- 1 geolocation-based automatic vehicle monitoring system
- 3 sales offices
- 178 outlets
- 78 ticket machines
- 450 contactless validators