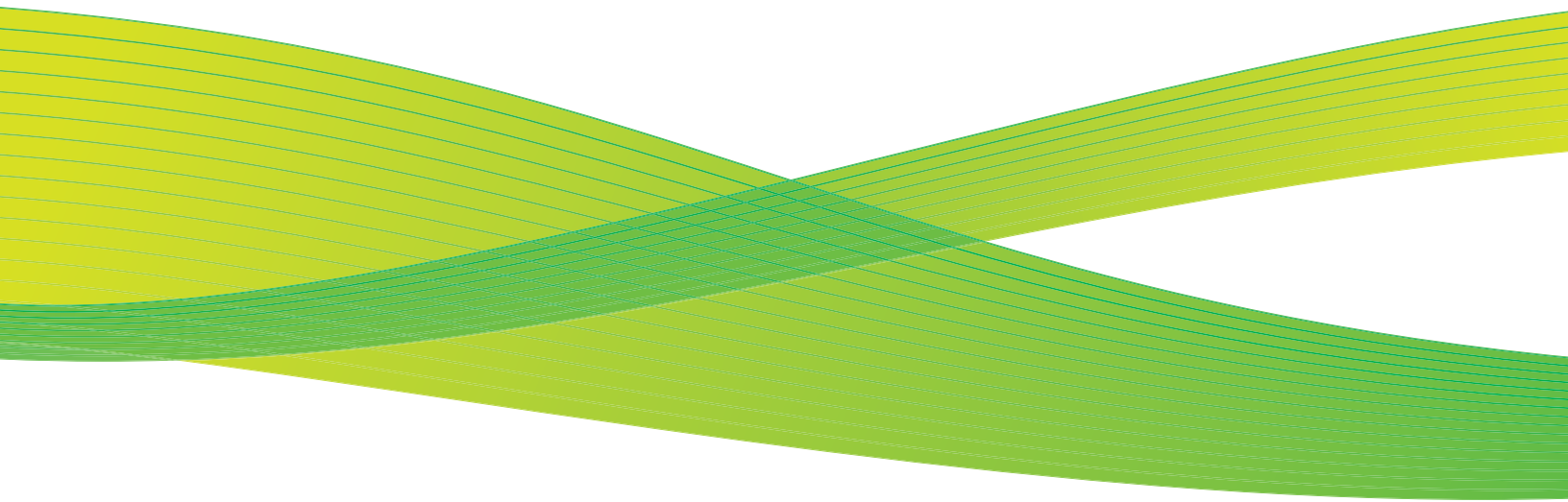


# A city was growing. Its public transit ticketing system needed to keep pace.

We developed and deployed a mixed magnetic and contactless ticketing solution in record time.



# The entire ticketing system changeover was completed in just nine months.

## The Challenge

Bursa is Turkey's fourth-largest city, with a population of over two million. The city needed its public transit system to accommodate its industrial growth. Specifically, Bursa required a contactless ticketing system, which would help reduce passenger fraud by extending validation across the network.

## The Solution

In partnership with Turkish company e-Kent (which supplied fare cards, installed and maintained equipment, and operated the system), ACS developed and deployed a mixed magnetic and contactless ticketing solution in record time. We also supplied central management and supervision.

We also supplied the system's peripheral equipment, which included:

- Mixed validators for 500 buses
- Access control gates for 17 underground stations
- Two contactless card publishing machines
- 90 ticket recharging terminals for sales agents and each underground station.

This seamless solution manages revenue shares between the city's public operator and three private bus companies. In the future, Bursa's contactless card will include a multiservice function – car parks, cinema, swimming pools, etc.

## The Bottom Line

Bursa, Turkey, needed its public transit system to accommodate its industrial growth. We developed and deployed a contactless ticketing system to reduce passenger fraud

## The Results

The Bursa transit project was completed in just six months for the underground, and nine months for the bus network. This was largely due to efficient collaboration between ACS and e-Kent. By eliminating cash payments by passengers, the solution has made fare payments more secure – and facilitated automatic revenue sharing among multiple operators.

## Key Stats

### Buses

- 540 driver consoles
- 540 dual validators VME 412
- 2 depot data concentrators
- 65 recharge machines MGS 310 for sales agents

### Underground

- 75 access controllers
- 17 station data concentrators
- 21 station vending machines
- 1 central management system



**Sector:** Public Transportation

**Solution:** Magnetic fare collection and contactless ticketing system

**Client:** Bursa, Turkey

**Challenge:** Replace dated ticket system with an electronic solution

**Result:** Increased revenue, reduced fraud

## Contact Us

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