



BUSINESS CASE

## Smart Cities & Mobility

### Onboard Solution for Control and Safety of Railway Traffic Mexico

Implemented in: Mexico

#### Challenge:

Provide onboard support and technology for 10 trains in operation on a line with 18 stations and more than 1.7 million passengers daily, with a focus on safety, traceability, and operational efficiency.

#### Solution:

- Implementation of an onboard solution with internal and front-facing cameras, DSM, radio, panic button, microphone, and DVR.
- Driver login, distraction alerts, route tracking, and real-time communication with the control center.
- Live visualization through a monitoring platform, with an operational dashboard and trip history.



## Benefits:

■ Optimization of **travel time and increased reliability.**

■ Real-time monitoring **centers for train location.**

■ Automatic alerts for **risky driver behavior.**

■ Direct communication **between the driver and the control center.**

■ Increased safety through **onboard cameras.**

■ Centralized management with **dashboards and operational traceability.**

**Tags:** Rail Transport; Embedded Systems; Operational Safety; Real-Time Monitoring Centers; Urban Mobility.