

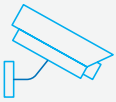


# A smart platform for smarter transit.

Sensors, analytics and pervasive connectivity let you create a powerful portfolio of applications to strengthen public safety, boost operational efficiency, and enhance the passenger experience across your transit system — while keeping costs under control. With BAI's SMART transit platform, you can roll out the full range of smart transit solutions and keep on innovating as your needs evolve.

## Strengthen public safety

Applications to monitor and manage conditions more precisely and reduce incident response times:



### Smart CCTV

Access CCTV footage in real-time to respond faster when security incidents occur. Configure security alerts to trigger when unauthorized personnel enter restricted areas or when crews are seen working without safety gear.



### Real-time crowd flow and capacity monitoring

Identify and reduce bottlenecks at entry and exit points and take action to uphold physical distancing guidelines. Monitor passenger loads on individual subway cars and buses to direct traffic to better distribute capacity.

## Boost operational efficiency

Applications to keep your transit system performing at its peak:



### Real-time vehicle health monitoring

Track equipment performance and identify potential issues such as slow-closing doors or wearing brakes before equipment fails. Predictive maintenance, trend analysis and real-time alerts help determine when to take proactive, preventative action — extending asset lifecycles, reducing costs and downtime.



### Data analytics for route planning

Leverage real-time insights into passenger volumes and ridership patterns to optimize routes and transit usage. Enable more agile transit planning based on real-time data to make the most efficient use of overall resources and provide a better commuter experience.



### Fare enforcement

Allow fare enforcement officers to check passenger payment status throughout the transit system — helping to reduce fare evasion revenue loss.



### Ubiquitous connectivity

Keep your people and systems connected anywhere. Access applications throughout the system, above and below ground. Transfer data in real-time to allow for immediate analysis of operational systems and action findings.



Free Wi-Fi has been shown to increase transit ridership by 3.6% and round trips by 2.9%.<sup>1</sup>

## Enhance the passenger experience

Applications to increase passenger comfort and boost overall ridership:



### Public Wi-Fi

Enable passengers to send messages, stream videos, play games or work at all points along their journey — so they feel entertained, productive and safe.



### Real-time alerts

Keep passengers continuously informed of the latest traffic and system conditions. Smart notifications can allow riders to monitor their preferred routes for service adjustments. Nudge riders to alternate routes to reduce load on the system when required.



### Smart ticketing

Reduce physical barriers and allow customers to walk freely in and out of stations. Removing barriers smooths pedestrian traffic flows and eliminates bottlenecks at station entrances and exits.

## Do it all with a single platform

BAI Communications' converged, flexible and integrated SMART transit platform lets you host a vast range of modernized applications on your transit fibre network and add new capabilities, innovations and data as your needs change. Our 5G-ready, vendor-agnostic platform is easy to integrate into your existing operational systems and passenger-facing solutions.

Find out how our SMART transit platform can help you strengthen public safety, boost operational efficiency, and enhance the passenger experience — [baicomcommunications.com/smart-transit-platform](https://baicomcommunications.com/smart-transit-platform)

1. Patricia L. Mokhtarian et. al. Did Free Wi-Fi Make a Difference to Amtrak's Capital Corridor Service? An Evaluation of the Impact on Riders and Ridership. ITS UC Davis, Institute of Transportation Studies Research Report - UCD-ITS-RR-13-03, February 2013.

