



Dynamic Bus Platform Allocation

Introducing the ARS T&TT Dynamic Bus Platform Allocation system (DBUS), a solution designed to optimize the utilization of public transport hubs in the heart of cities. DBUS coordinates buses arriving at the terminal to available platforms, calculates expected arrival and departure times, and seamlessly integrates with back-office systems. With real-time information and increased safety measures, DBUS allows for up to 25% more passenger throughput and more efficient use of urban space.



Implementation

In 2010, DBUS was implemented at the Nijmegen central bus station to optimize the utilization of the bus platforms and improve passenger experience. The system was later upgraded to align with the latest version of the V-COM system for effective communication and data transfers. With the DBUS in place, the station has been able to maximize public transport throughput, reduce the number of platforms needed, and ensure smooth coordination of bus services.



Advantages

The DBUS solution offers a range of advantages resulting in improved customer satisfaction and reduced operating costs.

Features

Dynamic platform allocator

Assigns arriving buses to available platforms in real-time, considering various factors.

Real-time information

Uses GPRS to obtain up-to-date information, helps passengers to efficiently manage their time and reduce waiting.

Seamless integration

With passenger information displays, providing an engaging way to communicate real-time information about bus arrivals and departures.

Solid back-office

Provides a user-friendly interface for managing and monitoring the status and functioning of the bus station.

LIVE UPDATES

Providing real-time information on bus schedules and arrivals to reduce uncertainty.



RESOURCE OPTIMIZATION

Reducing operating costs through efficient use of resources, such as bus platforms, and coordination among different bus lines.

EFFICIENT ROUTING

Optimizing routes and schedules to reduce travel times for passengers and lower operating costs for transport providers.



FLEXIBILITY

Adapting to changing passenger demands and traffic conditions to improve customer satisfaction and revenue for transport providers.



Benefits

Optimized use of space

- Optimized usage of the available bus platform
- Efficient use of space in public transport hubs, reducing overcrowding

Effective passenger management

- Real-time bus schedules and arrivals
- Better customer experience and increased passenger satisfaction

Data management

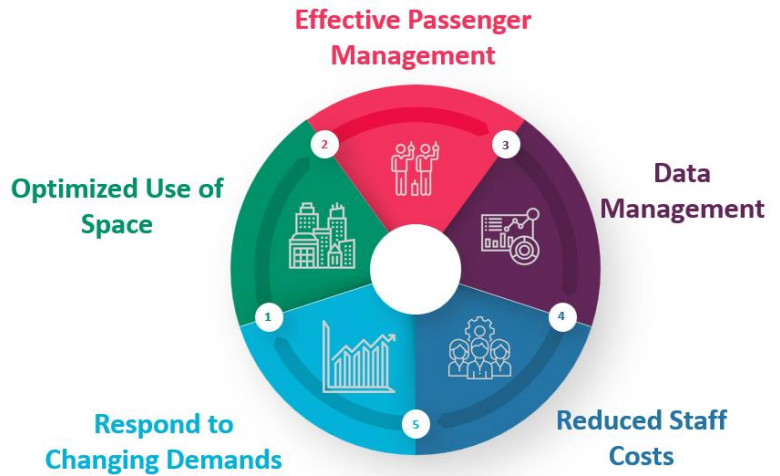
- Manage amounts of data generated by public transport operations
- Improved decision-making by transport providers and better service

Reduced staff costs

- Less need for manual coordination
- Frees up resources for other public transport operations

Respond to changing demands

- Quick response to changing demands, routes and traffic conditions
- Evolves and improves over time, ensuring continued relevance



Contact us today to learn more about how ARS can help optimize the public transportation operations.

About ARS T&TT

ARS Traffic & Transport Technology (ARS T&TT), headquartered in the Netherlands has been providing intelligent traffic and transport technology solutions to businesses and government bodies for over twenty years. We are an active player in our home market of the Netherlands, with a particular emphasis on meeting the growing international demand for innovative transportation solutions. Our mission as an independent 'Intelligent Transport System' (ITS) solutions provider is to rapidly expand our leading position in the fast-growing smart traffic and transportation markets. We believe continuous improvement and innovation enable us to achieve this mission.

For more information, contact us: info@ars.nl



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