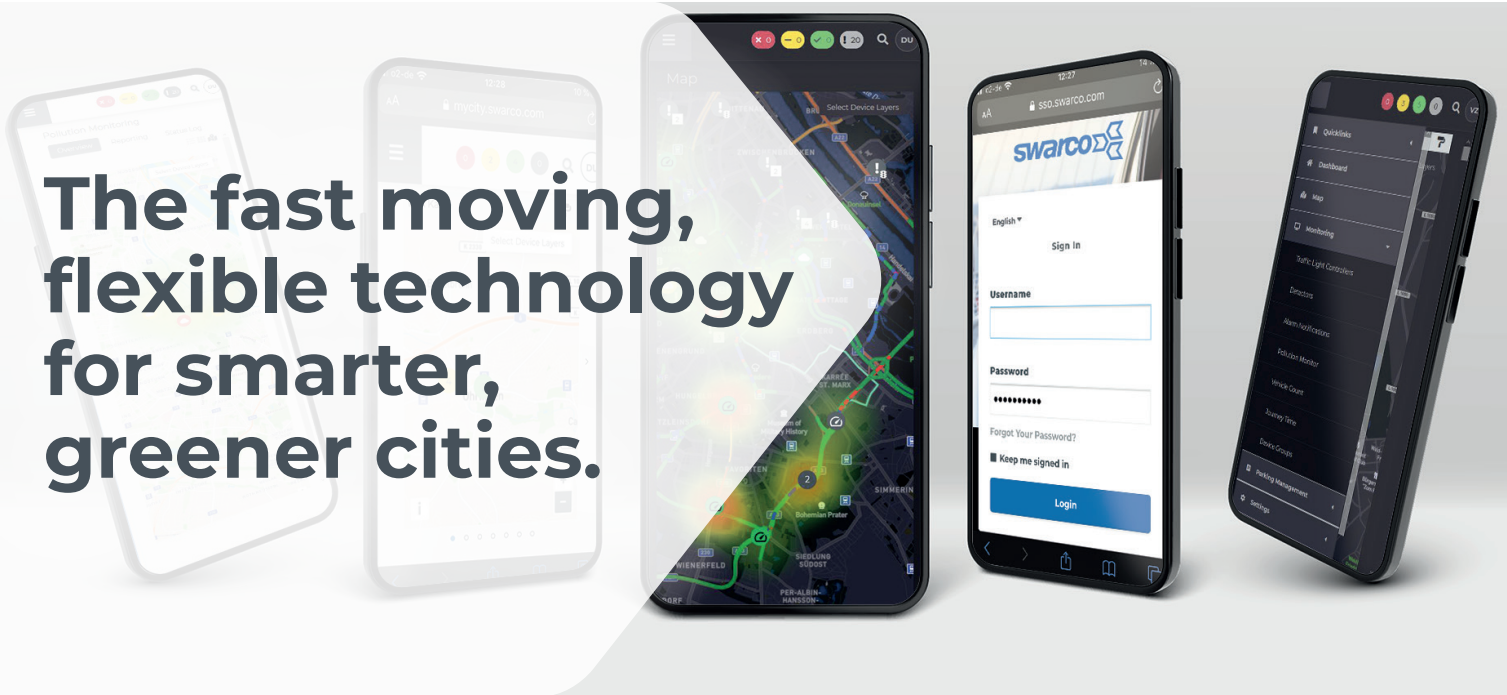


SWARCO MYCITY

URBAN MOBILITY MANAGEMENT

The fast moving,
flexible technology
for smarter,
greener cities.



SWARCO MyCity urban mobility management software for small, medium and large cities. It was developed to tackle problems associated with two key challenges faced by cities: rapid changes to the types of urban mobility and the IT landscape needed to support it; and rapid urbanization and its impacts on city environments.

FLEXIBLE, SCALABLE, MODULAR & FUTURE-PROOF INFRASTRUCTURE TO SUPPORT CURRENT AND UPCOMING FORMS OF URBAN MOBILITY



Mobility does not stop at the city boundary or when changing mode of transportation. A commuter's everyday journey goes on from the moment he leaves the door at home until arriving at his destination. As cities are fighting pollution and congestions the ability to support multimodality is rapidly becoming an ever increasing and important part of a sustainable transport system.

Maintaining the big picture of mobility demand and supply, based on data from different sources and various modes of transport is key for making the travel experience safer, quicker and more environmentally sound.

MyCity plays a role in tackling the challenge of rapid urbanization by helping city leaders and urban mobility managers to improve traffic flows, lower the risk of congestion, reduce air pollution, make better use of existing infrastructure, and shorten travel times. It also gets more people to choose alternative forms of mobility, and generally make cities cleaner, safer, and more attractive places to live and work.

All of this comes from one, easy-to-use, intuitive and modular interface that needs just a single sign on. MyCity is also scalable so new features can be added as and when they are needed.

MyCity has been built to evolve as mobility evolves, allowing city managers to proactively respond to changes in urban mobility trends and the technology used to support them.

Thanks to its scalability, MyCity allows traffic managers to add new solutions any time or accommodate project-specific requirements. The accelerated change in urban mobility has brought with it the need to look beyond the perfectly engineered, and customized system that can last for 10 or more years towards the urgent need for a modular and flexible system that can be quickly and easily adjusted to emerging technologies and urbanization.

A single sign-on system gives access to important data and reports via an intuitive dashboard, independent of location or device. MyCity shares and processes information with different data sources and acts as the aggregator of mobility-relevant data sources. It offers added value by fusing this information, building out further applications and by serving as a single point of control to a city.



12 SOLUTIONS WITH SWARCO MYCITY

MyCity Monitoring LITE is a simple monitoring solution used for ITC controllers that replaces the existing product SWARCO Cloud. It now allows customers to continue enjoying SWARCO's Smart Intersection/Smart Corridor and also gives them access to MyCity's fully integrated ecosystem.

MyCity Monitoring, an upgrade from MyCity Monitoring Lite, makes it easier than ever to monitor real-time status, alerts and historical data for all devices, including traffic signals, parking equipment, detectors, cameras and more.

MyCity Air-Quality Monitoring helps to solve one of the biggest problems of our cities. By sensing, collecting, and visualizing real-time and historic air-quality metrics, it gives a clear picture of urban air quality. Armed with this baseline data, it makes it easier to understand what future investments will be needed to improve air quality.

MyCity TMS (Traffic Management System) takes the stress out of managing traffic flows through small-to-large cities. Its user-friendly and intuitive interface makes it quicker and easier for operators to proactively manage traffic through city roads. This helps to ensure more efficient traffic flows, thus lowering the risk of congestion, reducing air pollution, shortening travel times, and getting more people to choose alternative forms of mobility.

MyCity TMS Adaptive is a traffic management system using adaptive network control functions that enables operators to make more complex program selections. They can now do away with the limitations of rigid coordination, in terms of both physical range and timing, to perform short-term traffic flow forecasting or change green time distribution and select scenarios.

MyCity C-Exchange is the first solution deployed in the field of cooperative, connected and automated mobility (CCAM), where the interface serves as a secure data broker between SWARCO's field devices and those of local systems and OEMs. MyCity C-Exchange connects infrastructure and vehicles by providing signal phase and time (SPAT) and helps to improve traffic flow, reduce congestion and prepare cities for digitalization.

MyCity Sign Manager is used to control variable message signs that use the UTMC protocol. This means that any sign can be monitored and controlled in real time in the office or via mobile phone while in the field. Sign control plays a role in improving traffic flow and reducing congestion by minimizing search traffic and optimizing route information.

MyCity PGS (Parking Guidance System) is an end-to-end parking solution that includes parking sign management, scenario management, custom dashboards, and analytical tools that provide a full overview of parking facilities and events. This cloud-based scenario management solution helps cities to digitalize their work and transition from inefficient routines to a solution that makes it easier for day-to-day operators to solve their city's parking management problems.

MyCity journey Time functionality visualizes and reports on the extracted data from connected detectors regarding average, minimum or maximum journey times and gives you an overview of vehicle speed and waiting times. It monitors the status of vehicles moving on a particular set of paths or sectors of paths. MyCity identifies which routes have the most and the least traffic delays and visualizes this data in real-time with color-coding on a map. You can choose between measuring Journey Times with traditional detection and/or using Floating Car Data (FCD).

MyCity Vehicle Count monitors the number of vehicles and classifies them into 19 categories including vulnerable road users such as pedestrians and cyclists as well as motor vehicles. The standard data model can easily be integrated with new data sources and extended to accommodate additional data sets. Using camera-based detection, cities can now better understand how their traffic looks on specific routes and base future investments on data.

MyCity Strategy Manager enables the operators to achieve the city's goals and policies related to traffic, environment, and urban life. Data collection from various sources and visualization allows cities to analyze their efforts and proactively improve their mobility management strategies.



OPERATOR AND PLATFORM BENEFITS

OPERATOR FRIENDLY

It's easy to use from a single sign-on system that gives you access to important data and reports via a user-friendly and intuitive dashboard.

EASY ACCESSIBILITY

The micro service-based technology is built on a brand-new platform and operated by SWARCO 24/7 in a secure cloud system.

PROACTIVE MANAGEMENT

Real-time and historical data reports enable you to implement strategic decisions with scheduled or manual

control functions, workflows and roadwork management, and more.

FLEXIBLE INTEGRATION

SWARCO MyCity shares & process data from different systems in an urban environment and we can act as a the aggregator of mobility relevant data sources and convert these to value-adds but also as a vendor who acts as a contractual aggregator.

MODULAR AND SCALABLE

MyCity is scalable and enables you can add new solutions when you need them or accommodate project-specific requirements.



- ACCESSIBLE ANYWHERE
- BUILT FOR USERS
- MICRO-SERVICES BASED
- SINGLE-SIGN-ON
- MODULAR & FLEXIBLE

CITY AND ROAD-USER BENEFITS

EFFICIENT VEHICLE MOVEMENT

Reduce travel times for road users by using real-time and historical data to plan and evaluate traffic flows and keep your city's traffic moving efficiently.

IMPROVED TRAFFIC SAFETY

Improved monitoring, workflows and data processing mean you can proactively prevent many incidents before they

happen (such as a dangerous build-up of traffic resulting from a faulty signal), reducing the likelihood of accidents, or when there is an accident, priority can be given to emergency vehicles.

BETTER AIR QUALITY

Smoother traffic flows and less congestion mean reduced levels of vehicle emissions. MyCity helps you to create a green wave and prioritize specific type of vehicles such as buses, emergency vehicles and/or cyclists, so reaching your city's environmental goals becomes more realistic.

LOWER INFRASTRUCTURE COSTS

This modern planning tool will allow you to make better use of your city's existing infrastructure, rather than the costly alternative of building more roads.

A MORE APPEALING PLACE TO LIVE

The quality of life in a city goes a long way to determining whether or not it attracts new businesses and more people to live and work there. A well-managed city road network, that is easy to travel around and relatively free from congestion, goes a long way to improving quality of life.