

SWARCO

MYCITY C-EXCHANGE

CONNECTING YOUR CITY WITH ALL THE DRIVERS

SECURE DATA
EXCHANGE
BETWEEN CITIES,
COUNTRIES &
VEHICLES



MyCity C-Exchange is the first solution deployed in the field of cooperative, connected and automated mobility (CCAM), where the platform serves as a secure data broker between 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 connects vehicles and your city.

CREATE SEAMLESS
TRAFFIC FLOW
IMPROVE **AIR**
QUALITY
CONNECT
YOUR CITY



MyCity C-Exchange enables your city to provide signal phase and time information to the drivers by creating a digital twin of the existing infrastructure.

MyCity collect the information from the traffic controller, sends it further to TTS that further sends the information to the vehicles.

This data flow model ensures provided information to the driver **no matter what vehicle model they have or their physical location (e.g. Italy or Germany).**



OPERATOR AND PLATFORM BENEFITS

SECURE CLOUD

The micro service-based technology is built on a brand-new platform and operated by SWARCO 24/7 in a secure cloud system. Cities no longer need to deal with such critical infrastructure environments, SWARCO deals with maintenance and operations for you.

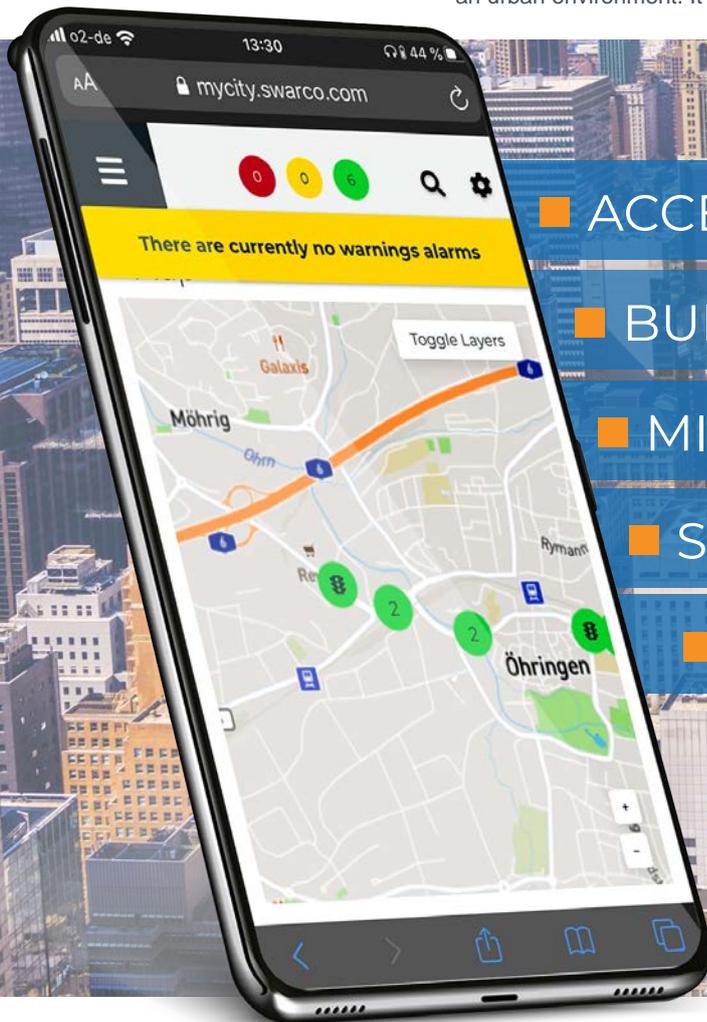
aggregator of mobility-relevant data sources and is a single point of contact for all interfaces. SWARCO also offers partnership management with data providers and ease your operational work.

FLEXIBLE INTEGRATION

MyCity enables data sharing and processing from different systems in an urban environment. It acts as an

MODULAR AND SCALABLE

MyCity is scalable and enables you to 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

When providing signal phase and time information we are reducing the risk of drivers violating traffic regulations. The

provided information not only get the driver to their destination more environment friendly but also faster, which is a huge motivator to follow the provided signal phase and time information.

BETTER AIR QUALITY

Smoother traffic flows and less congestion mean reduced levels of vehicle emissions. Moving closer and closer towards the Smart City vision, connectivity is the key aspect. With more and more connected vehicles on our roads, we have now the chance to improve traffic flow and reduce emission in an even more efficient way.

By connecting infrastructure and vehicles, we can guide drivers to make fewer stops each time they travel in a connected vehicle. It is expected that 80% of all vehicles in urban areas will be connected by 2030.

LOWER INFRASTRUCTURE COSTS

Investing in the digital twin of the existing infrastructure now will gradually save you money by reducing investments in physical infrastructure. The more automated cars we have on the roads, the less important the physical ITS infrastructure is for car drivers.

TECHNICAL DETAILS

Core Functions	<ul style="list-style-type: none"> User Management User Profile User Groups Single Sign-On My Tenant Configuration Data Privacy & Security Multi Tenancy Search Audit Log
Device Management	<ul style="list-style-type: none"> Device Management Device creation & deletion Device Groups
Permission Management	<ul style="list-style-type: none"> Permission Management
Standard functions	<ul style="list-style-type: none"> Tenant Configuration Multi-Screen Support Map as an Interface Help Center Dashboards
Audit log & search	<ul style="list-style-type: none"> Session Log
Device integration	<ul style="list-style-type: none"> PKI & Device Provisioning iTLC (TLC Upgrade) ETSI CAM Broker
Monitoring	<ul style="list-style-type: none"> Device States

The Austrian-based traffic technology corporation, is a growing international group providing the complete range of products, systems, services and solutions for road safety and intelligent traffic management.

SWARCO reserves the right to make changes at any time in order to supply the best product possible. © SWARCO 2021