SWARCO

MYCITY TLX

TRAFFIC LIGHT EXCHANGE CONNECTING YOUR CITY WITH ALL THE DRIVERS

SECURE DATA EXCHANGE BETWEEN CITIES, COUNTRIES & VEHICLES

Traffic Light Exchange (TLX) 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 TLX 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 connets vehicles and your city.

CREATE SEAMLESS **TRAFFIC FLOW**

IMPROVE **AIR QUALITY**

CONNECT **YOUR CITY**

MyCity TLX enables your city to provide signal phase and time information to the drivers by creatng 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 of what vahicle model they have or their physcal location (e.g. Italy or Germany).**

OPERATOR AND PLATFORM **BENEFITS**

SECURE CLOUD

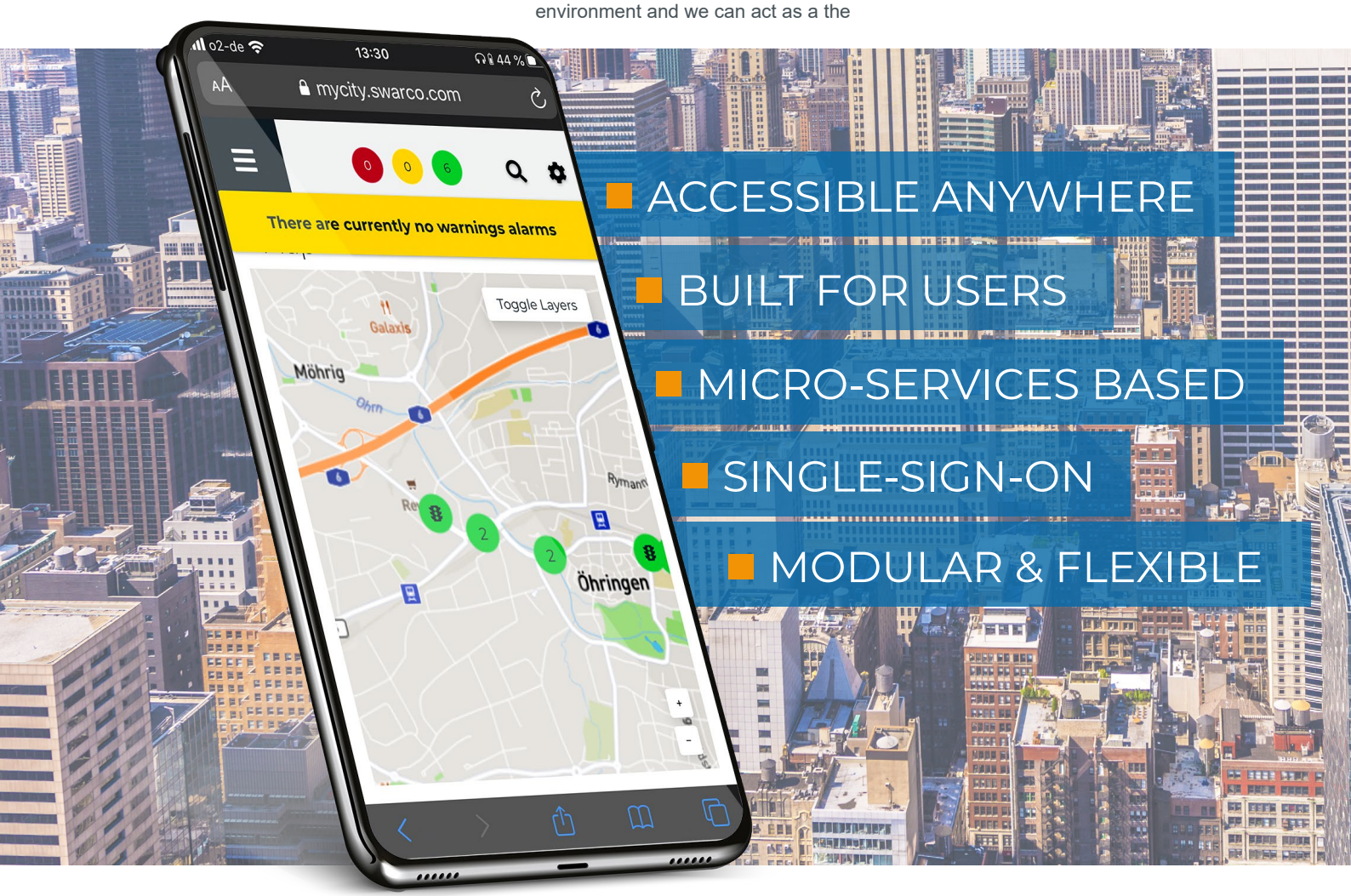
The micro service-based technology is built on a brand-new platform and operated by SWARCO 24/7 in a secure cloud system. Cities no longer need to deal with such critical infrastructure environments, SWARCO deals with maintenance and operations for you.

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

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. Connecting infrastructure to vehicles lets us guide the driver to reduce the number of stops per every trip that is made with 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	User management User profile User groups Single sign-on
Device Management	Device Management Device creation & deletion
Permission Management	Permission Management
Standard functions	Tenant configuration Multi-screen support Map Help Center Dashboards
Audit log & search	Session log
Device integration	PKI & device provisioning iTLC (TLC Upgrade) ETSI CAM Broker
Monitoring	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.