

Málaga Mobility Control Center (MOVIMA)

Maintenance, Operation, Enhancement

Improving mobility in a tourist city with a large historical center, a port full of cruise ships, yet surrounded by a large conurbation, requires the use of innovative solutions for demand and capacity management, access control and integrating mobility information and systems in one single platform.

Innovation is the key to meeting the needs of citizens and tourists in Málaga.

Kapsch discontinued the maintenance and operation of MOVIMA in 2008 and resumed it in 2017.

Currently, 90% of the installed traffic controllers are Kapsch models and the platform for traffic management is the latest EcoTrafiX™ version. With the help of the Málaga City Council, proofs of concept have been developed that have allowed the development of new products and solutions.



Project Scope:

- Service Contract for the Management and Control of the Traffic Systems from MOVIMA
- Upgrade of Urban Traffic Control System, integrating all mobility systems
- Maintenance of fiber optic net, access control systems to historic centers and 70 traffic cameras
- Engineering, operation and management of the Mobility Management Center

The Challenges:

- Integrating all mobility systems in one:
 - Controllers
 - Cameras
 - DMS
 - Historic center access control
 - Connection to enforcement system
 - Intelligent cameras
 - Traffic sensors
 - RSUs
- Improving demand management through virtual DMS

The Solution:

- Qualifications and expertise of the team from on-site maintenance technicians to the traffic engineers: Most of the staff working in the service have more than 20 years of experience
- Latest EcoTrafIX™ version with all capabilities for Mobility Management and integrating all mobility systems in MOVIMA
- Installed 11 new Kapsch RSUs and EcoTrafIX™ controllers that are connected to MOVIMA to send information for autonomous vehicles in the port area.
- Installed virtual DMS for Demand Management with appropriate APP.
- Installed and tested Kapsch Arterial Optimizer in East Avenue

The Added Value

- The System provides a global and accurate view of all the traffic data in each junction in order to implement the adequate actions in real time.
- Management and validation of data coming from different sources, enabling the Mobility Department Managers to make the right decisions.
- New modules in EcoTrafIX™ integrate all mobility information improving the relationship between MOVIMA, the citizens and tourists.
- Improvement of the quality of life for local citizens in terms of reduced congestion and pollution as well as reduced risks of accidents.
- Improvement of information to cope with the large number of tourists in Málaga.

