Tolls of the North Access to Buenos Aires - AUSOL

The largest toll project in Argentina

In April 2021, Kapsch TrafficCom Argentina delivered the largest existing toll project in Argentina. The Plaza Toll SmartToll system was installed on the North Access to the city of Buenos Aires, under the concession of the company Autopistas del Sol. This is the main access road to the city, considering its traffic volume, where more than 800 thousand vehicles pass daily.

Project Scope:

Provision, installation, implementation, integration, training and start-up of the system.

- 160 lanes
- 21 toll stations
- 100km of highway
- 4 MLFF gantries, 10 lanes
- Operational Back Office

It consists of three central toll stations with up to 29 lanes, and the other stations distributed in the different entrances and exits to the motorway.

The Challenges:

The biggest challenge of this project was to implement it without affecting the operation of the Concessionaire. It is a brownfield project.

For this reason, work had to be carried out in very tight time windows, which were part of the contractual requirements, as well as reducing the noise and dust associated with civil works. The pandemic added further challenges, as the protocols imposed further reduced the work possibilities.

It was very important to plan and collaborate remotely in order to meet all contractual milestones.

The Solution:

Following the worldwide trend of reducing contact, 160 mixed lanes were installed, which means that they accept both cash and electronic payment, or electronic tolls: TelePASE.

In addition, Free Flow gantries were installed in 10 lanes with antennas that read and record transits, for the application of discounts to users who make shorter trips. They have the same technology as the free-flow toll gantries. The benefit of these gantries is that vehicles pass through without having to slow down, since identification is done through TAG devices associated to each vehicle. Therefore, the discount for the shortest route only applies to vehicles that have a tag.

Your Added Value

- *A Module for transaction exchange and management of white lists of tags to be shared among all dealers in the country.*

- *CAR Module (Remote Assistance Center): Allows from a single site, a group of operators to provide assistance to electronic toll users in any lane of the highway. This replaces the runner or track operator, who used to attend to users in the lanes, with the danger that this entails.*

- *Treasury module exclusively designed for the project: Purchase and sale with the collecting company, operation of large stations as a centralized Treasury department that supplies to the smaller ones, and optimized cash management through payment statistics are some of its main features.*