



Video-based intersection control project to improve mobility in the city

Maribor Municipality - Maribor, Slovenia.

Mission

Maribor is the second largest city in Slovenia with a population above 95.000 inhabitants. It is a highly touristic and historical city and it was selected as the European Capital of Culture for 2012. The city is cut in half by the river Drave and surrounded by hills.

All the aspects mentioned above make the traffic in the city quite dense as it is usually the case in historical European cities, even more during summer which is the most touristic time of the year.

In fact, the traffic in the city always has been one of the major concerns of its inhabitants and the municipality has always been aware of the fact that an improvement was needed in that regard.

Solution

In order to improve the mobility within the city center, the city decided to adapt the waiting time of the vehicle to the real traffic seen on the road.

In order to do so, Maribor municipality decided to equip the Hitra Cesta n°4 (also called

“Tržaška cesta”) with devices that would detect the vehicle waiting at the intersection and share this information to the traffic light controller that would dynamically adapt the traffic light depending on the presence of vehicle waiting at the intersection or not.

The customer need was a non-intrusive solution, easy to install and maintain within budget and Citilog XCam-p working with TrafSignal traffic light controllers were chosen for this project.

“We were very pleased to see that the project was a complete success as we noticed a clear improvement of the mobility in the city center, even at rush-hour and during the touristic season!”

Mr Kačič lead officer for traffic sector in Nigrad d.d. (company in charge of traffic infrastructure in Maribor) Maribor traffic surveillance center

Results

Thanks to the adaptation the of waiting time at the intersection based on to the actual traffic detected by the XCam-p, TrafSignal and Citilog managed to improve the mobility in the city center of Maribor by 30%. Besides, one thing to note is the fact that Maribor traffic surveillance center is equipped with real time video feed from the XCam-p devices. Thanks to this

“bonus feature“, traffic officers are now able to monitor traffic in realtime and make adjustments to the traffic flow accordingly.

It is now faster to travel in the city center which has a good impact on the everyday life of the citizen but also on the touristic side of the city center as it is less crowded, noisy and thus much more welcoming and tourist friendly.

