

M50 Ireland

Back office deployment

The M50 motorway is a radial route around Dublin. The M50 is the only toll road with barrier-free tolling in the Republic of Ireland, located between Junctions 6 and 7. Barrier-free tolling was introduced in 2008 with the objective of ending considerable queuing and subsequently improving journey times.

The objective of the barrier-free tolling solution, called "eFlow," was to remove considerable queuing and improve journey times.

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Project Scope:

Kapsch was selected as a subcontractor to TURAS and provided:

- Design & Build of Roadside System
- Design & Build of Roadside Equipment
- Operational Back Office
- 10 years maintenance
- The roadside consists of one bi-directional tolling point
- Each tolling segment consists of two gantries

The Challenges:

One of the key challenges was delivering this project during the global pandemic. Therefore, most of our activities were performed remotely. Kapsch used innovative solutions to support the project during such challenging times, including the use of Microsoft HoloLens technology, which allowed our local installation teams to operate with real-time support from our specialists located at facilities of Kapsch around the world.

The Solution:

Kapsch delivered the following key elements:

- Roadside Equipment on one MLFF gantry, per each traffic direction over four lanes, with an expected 150,000 passages per day.
- Our Operian Back Office Solution, which is successfully processing between 130,000 to 150,000 transactions a day.
- Our Roadside Equipment is capturing 100% of all passages.
- Our Operations team is providing ongoing support and maintenance

The Added Value

Our M50 deployment, delivered in challenging conditions, met customer expectations by reducing journey times for the traveling public. Kapsch was also awarded a further contract in Ireland to provide traffic management across the strategic route network, including the M50.



Despite an unprecedented worldwide situation preventing the teams from efficiently meeting at critical times during project implementation, the technical expertise and project management skills of the Kapsch team succeeded in building trust in Kapsch's solution. We made the right call by setting up a steering committee at the executive level to allow our two companies to take the necessary step back and look at the bigger picture. This project is to last at least 10 years: building a long-term relationship requires a certain mindset and the capacity to focus on both the short and long term, in a win-win spirit.

Nicolas Charles, former CEO of TURAS