

First Operational Green Tolling Gantry in Carinthia, Austria

In 2024, Kapsch TrafficCom was commissioned by ASFINAG to install the first operational Green Tolling Gantry on the S37 expressway in Carinthia, Austria.

Unlike traditional steel or aluminum toll gantries, which produce significant CO₂ emissions during their manufacturing and recycling processes, the Green Tolling Gantry provided by Kapsch TrafficCom is made from wood. This sustainable material not only supports the same functional capabilities as conventional gantries, but also provides significant environmental benefits.

Kapsch TrafficCom has been a trusted partner of ASFINAG since 2004, providing flawless toll technology and support for the technical operation of the toll system in Austria.

Project Facts:

- **Tolling gantry** (5.8 DRSC Tolling Station), 27m long, walk-able, 2+1/2+1
- **Scope:** Replacement of the existing steel tolling gantry due to motorway widening, ensuring safety & security requirements according to European norms (Eurocode) and ASFINAG specific standards
- **Material:** Wood, larch (planking) and spruce (core)
- **Production & Installation:** Factory pre-assembly of railing and connectors on wooden structure to ensure fast and efficient on-site installation, as with steel and aluminum gantries: installation of pillars first, assembling horizontal bar on top with crane within some hours
- **Location:** S37 expressway, Sankt Veit an der Glan, Carinthia, Austria
- **Client:** ASFINAG, Austrian Motorway and Expressway Financing Joint-Stock Company, a state organization responsible for financing, building and maintaining Austria's motorways and express



Origin and Development of the Green Tolling Gantry

The Green Tolling Gantry was brought to life through a research project funded by the Austrian Research Promotion Agency (FFG) together with various research partners. After extensive testing and validation at the test site in Teesdorf, Austria in 2023, Kapsch TrafficCom is proud to see the Green Tolling Gantry move from a promising prototype to an operational reality on the road.

As the regulatory landscape changes and public awareness of environmental challenges grows, the Green Gantry represents a proactive response to the environmental needs of modern roadside infrastructure.



Green Gantry **Video**

Click here
to discover more about the
Green Tolling Gantry



Kapsch TrafficCom Green Vision

This project is an integral part of Kapsch TrafficCom's ongoing efforts to incorporate sustainable practices into tolling infrastructure and to promote environmental responsibility in the transportation sector. For more information, please visit **[kapsch.net](https://www.kapsch.net)**