



Kapsch TrafficCom

The Green Gantry ***Towards a sustainable tolling infrastructure***

Why is sustainable tolling infrastructure a priority

The Green Gantry makes the transition to alternative, low-carbon roadside solutions possible.

Tolling authorities and concessionaires are becoming increasingly aware of the need to address climate change and its impacts.

Roadside systems are very carbon intensive. They account for a major share of emissions in multi-lane free-flow tolling. Nevertheless, they are a necessity in the traffic industry.

The Green Gantry is an environmentally friendly alternative for roadside stations. As it is made of timber, it helps to save CO₂ emission and brings competitive advantages.

1

Sustainability is an important evaluation criterion

Achieving high standards in sustainability performance ratings is becoming increasingly important.

In Europe, the Taxonomy regulation on sustainable investment is in effect since February 2022, with sustainable and green solutions becoming one of the main evaluation criteria. Moreover, financiers & investors globally increasingly invest in green funds.

2

Environmental policies and regulations are gaining momentum

Sustainability policies and regulations in relation to climate change are gaining momentum.

That increases the risk of litigation associated with emissions and the contribution to climate change. Furthermore it impacts the reputation and financial performance of an organization.



Reasons for investing in a sustainable tolling infrastructure, the Green Gantry



The Green Gantry by Kapsch, made from timber

3

Increasing awareness among customers and the public

Climate change impacts our lives more and more (e.g. through recent extreme weather events). Therefore, the public perception of the threat of global warming is increasing.

One of the main focus areas of today's public debate is mobility and road construction, with more people critical of the associated emissions and considering current climate protection measures insufficient.

4

Increased importance of CO₂ footprint

The CO₂ footprint is gaining visibility in all areas. Main drivers of emissions are the delivery, implementation and operation of mobility solutions.

Here, the footprint can be drastically reduced by using sustainable materials.

Pioneering with trend-setting sustainable infrastructure

The wooden Green Gantry is competitive with traditional high-end roadside infrastructure in terms of quality and costs.



Variability

The Green Gantry, made of cross-laminated timber, is an aesthetic roadside solution which perfectly reflects the taken responsibility for sustainability. The design offers a variety of customization aspects to underline this.



Competitive characteristics

The Green Gantry is competitive in production, delivery and maintenance efforts to typical steel or aluminum-based structures. Different gantry types and dimensions can be produced at comparable prices and delivery time.

The Green Gantry complies with the specific requirements for toll equipment and can also be used for Traffic Management solutions.



Conforming to local standards

Roadside infrastructure is still a necessity. The current Green Gantry design fulfills the European standards for stability, durability & security. An alignment to other national or local norms and standards is possible to ensure compliance with the legally defined.



Resilience and durability

The special laminated wood used for the Green Gantry protects the construction against water, ice and snow. This way, a lifetime of 20+ years can be guaranteed. As only non-chemical substances are used to treat the wood, the construction does not additionally burden the environment at the end of its useful life.

UnSUSTAINABLE road solutions. UnUSED chances.

Enable your contribution to a healthy environment by supporting sustainable solutions. Laws and regulations for public procurement often do not give leeway for more sustainable solutions as frequently materials like aluminum or steel are prescribed for roadside infrastructure.



PROCUREMENT

Country-specific regulations and procurement requirements need to allow or even require explicitly sustainable materials.



TENDER

Establish evaluation indicators to give preference to sustainable concepts.



AWARD

Take your responsibility and select an environmentally friendly and green solution.

All you want to know about the Green Gantry

The Green Gantry is a timber-based roadside infrastructure that fulfills all functional criteria and can substantially contribute to reducing the carbon footprint of a tolling solution.

The currently used gantries made of steel or aluminum cause considerable amounts of CO2 during the material extraction, production and recycling phase.

Wood, on the contrary, stores CO2 and delivers a positive carbon footprint that helps to achieve the climate targets.

Is a Green Gantry more expensive than a steel- or aluminum-based gantry?

- The design developed, owned and constantly enhanced by Kapsch, is competitive in price to other high-quality gantries. It is important for us to offer an environmentally friendly alternative at comparable costs.

Can a wooden gantry easily catch fire?

- All constructions carry a risk of fire. Wood burns with a predictable burning rate which ensures stability for a specific time without collapsing. Therefore, a profile dimension is selected to serve security requirements.

Does salt or snow harm a wooden gantry?

- Salt has a preservative effect and therefore protects the wooden construction. At locations with a high snow rate, an alternate design can be applied.

Is a wooden gantry maintenance-intensive?

- Visual inspection once a year is sufficient. No chemical painting is required. While scratches on a steel gantry may cause problems, minor scratches on a gantry made of wood do not impact its performance and stability.

Kapsch TrafficCom

Kapsch TrafficCom is a globally renowned provider of transportation solutions for sustainable mobility. Innovative solutions in the application fields of tolling, tolling services, traffic management and demand management contribute to a healthy world without congestion.

Kapsch has brought projects to fruition in more than 50 countries around the globe. With one-stop solutions, the company covers the entire value chain of customers, from components to design and implementation to the operation of systems.

As part of the Kapsch Group and headquartered in Vienna, Kapsch TrafficCom has subsidiaries and branches in more than 25 countries. It has been listed in the Prime Market segment of the Vienna Stock Exchange since 2007 (ticker symbol: KTCG).

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