

Maxion Wheels: Logistics Under Control Thanks to Data and Automation

Maxion Wheels is one of the world's leading manufacturers of steel and aluminum wheels for the automotive and industrial sectors. The group operates 24 plants across five continents, employs more than 10,000 people, and produces over 50 million wheels annually. The Ostrava plant of Maxion Wheels Czech s. r. o. manufactures steel wheels for passenger cars and forklifts and places high demands on efficient, seamless, and data-driven logistics.

"Our primary goal was not to cut costs, but to gain control over our logistics operations. We needed data, transparency, and a tool that would show us the true performance of our logistics and allow us to manage it in line with production."

**Dagmar Dreiseitelová, Logistics Manager
at Maxion Wheels Czech s. r. o.**



Why did you decide to implement a dock scheduling system?

We needed to eliminate inefficiencies in managing carrier arrivals and departures. Long waiting times, congested access roads, complicated communication, uneven warehouse workloads, and limited operational visibility were affecting efficiency. We also lacked reliable reporting and performance data.

Our objective was to introduce a transparent, automated solution that would improve capacity planning, reduce manual administration, and enable data-driven logistics management.

How did you choose a dock scheduling solution?

We were looking for a flexible platform capable of managing carrier arrivals, optimising loading and unloading operations, and supporting future growth. Time Slot Control stood out thanks to its modular architecture, cloud deployment, seamless integration with internal systems, and proven use in industrial environments.

How did the implementation go?

The implementation included user communication, preparation of the self-service kiosk infrastructure, and

a testing phase to fine-tune workflows under real operating conditions.

The biggest challenge was encouraging carriers to adopt new processes. Although the project required careful preparation, the phased rollout and clear procedures ensured a smooth and successful deployment.

What improvements have you seen since implementation?

The most significant improvement has been greater visibility and control over logistics capacity. Waiting times have been reduced, communication with carriers has become much simpler, warehouse workloads are more balanced, and many manual tasks have been digitised and automated. Today we rely on accurate data and reporting for process optimisation, KPI monitoring, and workforce planning. Reservation attachments, including delivery documents and damage photos, have improved transparency, while the Order Queue enables suppliers to schedule bookings more efficiently.

Can you quantify the results?

Yes. We consistently handle around 5,000 loading and unloading operations per year, maintaining this level for the past three years.



Although warehouse operations primarily run on a single shift, Time Slot Control allows carriers to book appointments 24/7. An increasing number of bookings are now processed through the self-service kiosk and Order Queue.

How have carriers responded?

Carrier adoption was initially challenging, but the benefits quickly became clear. They receive instant booking confirmations, SMS notifications, and experience faster processing with less waiting.

The Call to Gate feature automatically directs drivers to the correct loading dock, simplifying communication and eliminating uncertainty.

How have you automated vehicle arrivals?

Automation starts when the carrier enters the site. Drivers check in using the self-service kiosk, verify their contact details, and complete the required loading or unloading information.

This reduces manual administration while improving security through driver identification. Safety-break monitoring provides real-time visibility of driver availability, allowing more efficient dock allocation. Ongoing communication is handled via Call to Gate SMS notifications, improving traffic flow, dock utilisation, and turnaround times.

Why did you choose Time Slot Control?

Its comprehensive functionality, flexibility, and scalability were key factors. Time Slot Control provides complete yard management, including kiosks, cameras, LED displays, barriers, notifications, reporting, and API integra-

tion with ERP and WMS systems.

The cloud-based platform also offers low implementation costs and secure access from anywhere.

How satisfied are you with the solution and technical support?

The system is intuitive and available in 11 languages, making it ideal for international carriers. Its administration is straightforward and allows independent configuration without vendor assistance.

Technical support has been excellent throughout both implementation and day-to-day operation.

Which benefits do you value most?

Access to reliable operational data, greater process transparency, better capacity planning, and stronger production support are the biggest advantages.

The system enables us to respond more quickly to changes in production, optimise warehouse operations, and prepare for further automation. Both management and operational teams now have a clear, real-time overview of logistics activities.

Would you recommend Time Slot Control?

Without hesitation. It is particularly valuable for organisations handling high volumes of loading and unloading operations where efficiency, visibility, and data-driven decision-making are critical.

Time Slot Control has transformed our logistics from reactive operations into a structured, transparent, and fully data-driven process.

Advantages/Benefits

 **Increased logistics efficiency** 
high impact

 **Shorter wait times for carriers**
very high impact

 **Less paperwork** 
high impact

 **Digitalization and automation**
very high impact

 **Data, reports and KPIs**
velmi vysoký dopad

 **Better capacity planning** 
high impact

 **Balanced warehouse utilization** 
high impact

 **Clear communication with carriers**
very high impact

