
SLOWWOOD RUZOMBEROK A.S.

Case Study: WLS System Implementation





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Slovwood is a major pulp and paper production plant and part of the Mondi Group, one of the largest facilities within Mondi SCP. The plant manages intensive daily logistics operations, including the transport and unloading of timber via trucks and rail wagons

- Location: Ružomberok, Slovakia
- Function: integrated pulp & paper mill
- Capacity: up to 2 million m³ of wood per year
- Operations: Handling and unloading of more than 200 trucks and 20 rail wagons daily



BACKGROUND

Managing timber logistics across thousands of loading points is complex and resource-intensive.

Unbalanced deliveries — idle slots alternating with peak overloads — caused congestion and reduced efficiency.

Manual planning and contract validation were time-consuming and error-prone.

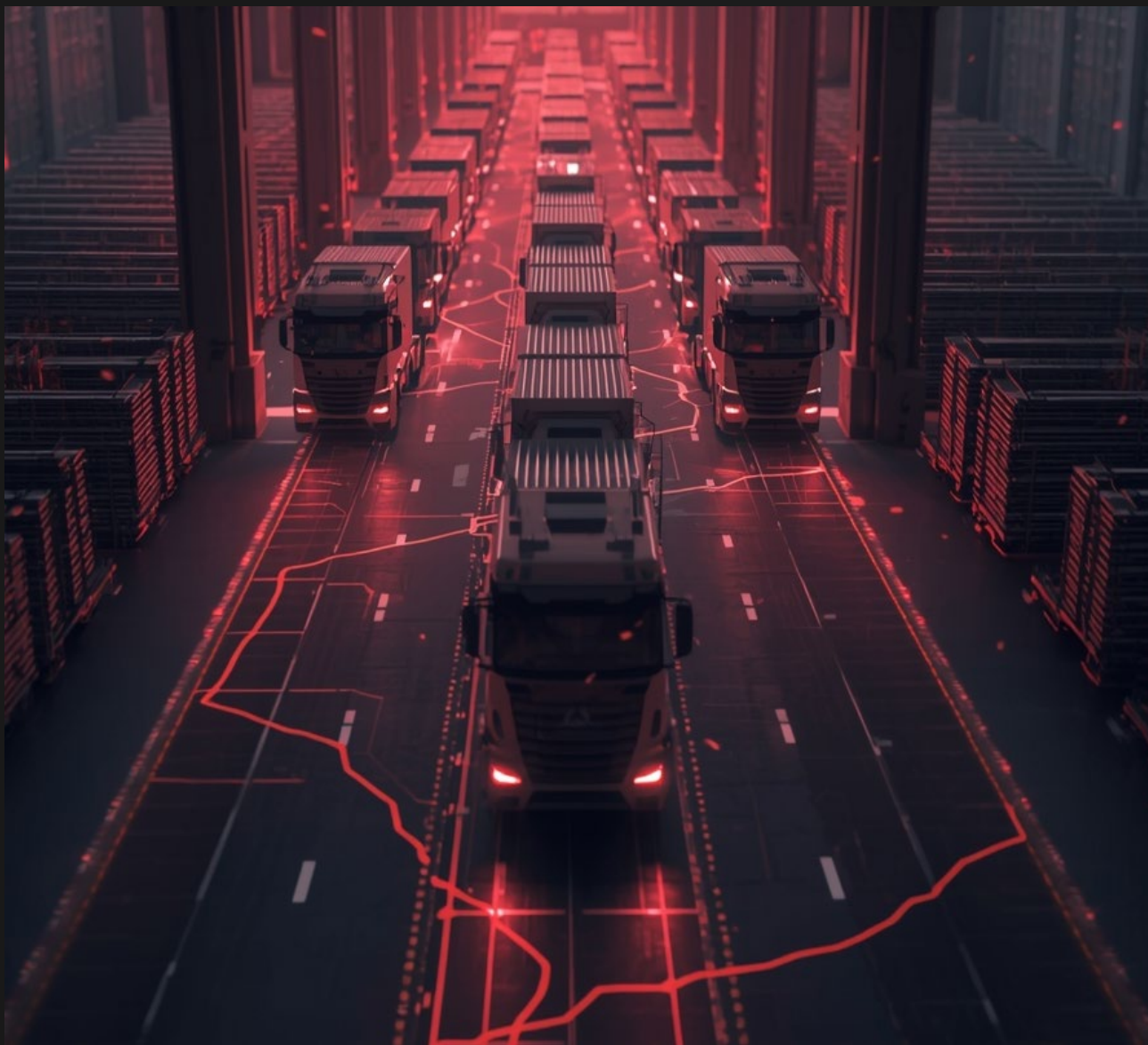
Limited data sharing between stakeholders led to poor coordination and low transparency.

As a result, SLOVWOOD required a centralized system to manage and optimize the supply chain.



REQUIREMENTS

- End-to-end delivery planning across the entire supply chain
- Reliable and consistent data for all stakeholders
- Real-time overview of incoming vehicles, materials and time slots
- Electronic tendering for transport providers
- Automated evaluation of supplier contract fulfillment
- Processing and real-time analysis of GPS data
- Integration with SAP and internal systems
- Secure web-based interface with user authentication
- Fast system response and user-friendly interface



OUR SOLUTION

A centralized Wood Logistic System (WLS) designed to manage and optimize the entire supply chain

- End-to-end planning and coordination of wood deliveries
- Controlled scheduling of transports based on plant capacity
- Real-time visibility of logistics operations and material flow
- Automated decision-making based on data and system rules
- Integration of all stakeholders into a single digital platform



BENEFITS

- Balanced delivery flow and elimination of peak overloads
- Reduced waiting times and lower transport costs
- Increased utilization of unloading capacity
- Full control over the entire supply chain in real time
- Improved coordination between suppliers, carriers and operators
- Reduced manual work and operational errors
- Data-driven decision making and planning
- Faster implementation and seamless integration into existing IT systems



RESULTS

- Reduced transportation costs
- Optimized planning effort and reduced need for manual work
- Balanced transport flow and elimination of unplanned deliveries
- Improved coordination and stronger relationships with transport providers
- Increased efficiency through optimized routing and load balancing
- Full visibility and monitoring of delivery performance and quality
- Elimination of hidden costs in planning and communication processes



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