

Trailblazing Triumphs

Smarter WMS Through AI

When a global leader in the Mining and Materials industry, approached us at Tryon Solutions to integrate cutting-edge AI into their Blue Yonder Warehouse Management System (WMS), their goal was clear: optimize slotting and picking processes to improve warehouse efficiency.

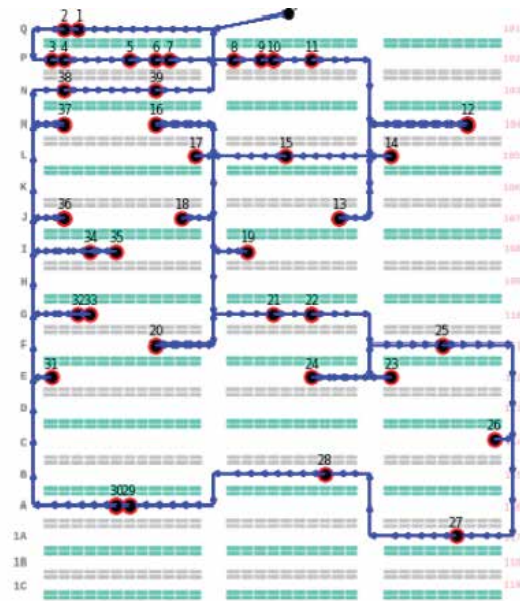
Our team, in collaboration with the largest private AI lab—developed a solution that harnessed machine learning to analyze historical order data. By identifying patterns in frequently ordered items, AI was able to dynamically slot products in the most efficient locations, reducing unnecessary travel during picking.

The real breakthrough came in the picking process. Rather than relying on traditional WMS pick paths, AI redefined the direction of picking sequences. This shift in approach optimized travel routes, eliminating inefficiencies in the standard WMS travel sequence.

The results were remarkable: a **20% reduction in travel time** throughout the warehouse, leading to faster order fulfillment and significantly improved productivity.

The project kicked off in February and was deployed by May. Despite overcoming challenges like network firewall issues, our close collaboration with the global Mining and

Materials company and the AI lab ensured smooth integration and on-time implementation.



Example of an AI pick path, vs walking full length of each aisle that has picks.

This project was a testament to the power of AI in logistics, blending Tryon Solutions’ expertise with AI lab’s advanced technology to deliver real-time, data-driven improvements. The Mining and Materials Company now operates with a smarter, more efficient warehouse system that sets a new standard for the industry.

Curious to learn more about this success story? Reach out to us today—we’d love to chat!



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