

KinetiX

Inspection
Technologies



Yard System

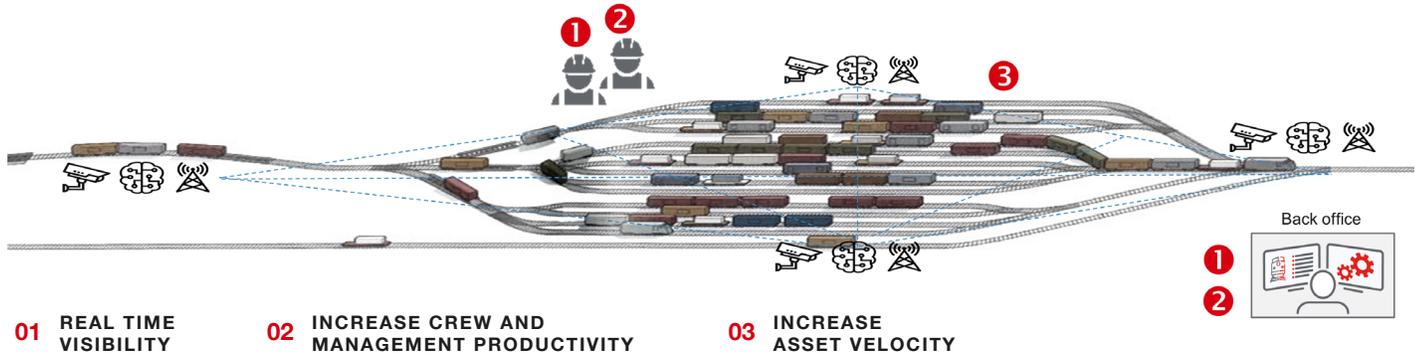
AUTOMATE ASSET TRACKING IN YARDS AND TERMINALS

Knowing the status of railcars in the yard is critical to delivery performance. And yet, at many rail yards, the process to track cargo is manual and inefficient – directly increasing cycle time and cost.

KinetiX Inspection Technologies for Yards is a powerful computer vision system that utilizes artificial intelligence-enabled video to track and trace railcars in the yard and allows railroads to execute plans in response to real-time conditions.



TRANSFORMING YARD OPERATIONS



TECHNOLOGY COMPONENTS

Cameras

Off-the-shelf cameras, low cost, interchangeable with existing hardware.

Edge Computing

Real-time processing, NVIDIA graphics processing units (standard equipment), IoT connectivity.

Artificial Intelligence Models & Algorithms

Deep learning OCR, asset track & trace, operational statistics, movement alerts.

Connectivity

Rajant Mesh, yard/terminal wide connectivity multi-node connectivity, data synchronization for analytics, modular / API integration, integration with back-end systems, such as TMS.

User Interface

Yard manager console, mobile integration, dashboards, reports, alerts, SMS, text messages.

BENEFITS & OUTCOMES



Increase Crew & Management Productivity

Reduce time spent looking for information. Automate administrative and repeatable tasks.



Expand Visibility

Real time wagon and container status



Increase Asset Velocity

Eliminate information flow bottlenecks for improved asset cycle time.

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