

RAIL **AUTOMATION** SYSTEMS

VELOCITY, VISIBILITY, & VOLUME



APS Rail Automation Systems provide a flexible, IP-based solution to fully automate the arrival, inventory and departure processing of container laden trains – either at a facility or as they move on a high-speed track. As an integrated suite of modular hardware and software components, the system identifies tracks and archives the image and equipment number information of a passing train. Information is collected and combined to produce fully automated container-to-railcar association and eliminate the need to manually perform train inventories. The system captures high resolution damage inspection images to enable verification of equipment condition during train arrival or departure.

OUR **FULLY INTEGRATED** SOLUTION INCLUDES:

OCR Portal: Automated ID of train cars and containers

- Optional high-resolution damage inspection imaging, IMO label

SureSpot: Real-time inventory tracking of train cars in the yard

- Manless confirmation of train car location within the rail yard noting track ID and sequence
- Optional precision spotting of cars for automated crane operations

X-Clerk Exception Handling System to remotely resolve errors in real time

- Container OCR error correction
- EDI/train consist errors
- Car load rating errors
- Train car location errors



BENEFITS TO THE TERMINAL

- Reduce train service time 30-50% so operations start in minutes, not hours
- Reduces accidents in rail yard
- No personnel required to inventory train or confirm car location
- Confirmation of car and container condition at interchange
- Remote exception control of OCR and inventory errors



The **Rail OCR Portal** provides the identification, classification and inspection of train cars and their containerized cargo in real time. Once trains come to rest within the yard, integrated **SureSpot** rail tracking system provides manless inventory even during shunting operations. Any system or operational exceptions that cannot be processed automatically are resolved remotely using the **X-Clerk** exception management application.

RAIL **AUTOMATION** SYSTEMS

FEATURES AND SPECIFICATIONS

- Automated OCR of containers, IMO labels and door direction
- Instant classification of train car orientation, container equipment type and container location on train
- Full-color damage inspection imaging of train cars and containers
- Low power LED illumination
- Off-the-shelf components
- Optional RFID reader system for US/Australia AEI tags
- Real time TOS data interface via XML or JMS
- Global maintenance and support services with 24/7 proactive monitoring of all systems
- UL and CE certified components



ABOUT **APS** TECHNOLOGY

APS Technology Group is a leading provider of OCR and process automation solutions for marine and intermodal container terminals. The solutions improve the visibility, velocity, and volume of cargo moving through a terminal's gate, rail, vessel and yard operations. APS leads the industry with over 700 OCR and automation systems installed in 14 countries around the world.

For more information, call +1 858.571.4444
or visit www.aps-technology.com



3949 Ruffin Rd., Suite A
San Diego, CA 92123
Tel. 858.571.4444
info@aps-technology.com



SCAN WITH SMART PHONE