



CraneView container OCR system

Automated container identification and stow position verification on the quay



SAIC's CraneView system automatically identifies containers and determines stow positions during crane operations.

Keeping track of containers during discharge and loading can be a real challenge. Manually recording container numbers under the crane and stow positions on the vessel is costly and often inaccurate.

The solution: SAIC's CraneView system. CraneView reads the number of each container as it is moved by the crane. CraneView's StowPlan feature determines the stow position of each container as it is discharged or loaded, and issues an alert when the actual position doesn't match the plan. CraneView provides this information to the TOS in real time to help the terminal manage its crane operations.

CraneView is part of SAIC's Intelligent Intermodal Solutions (IIS) for cargo facilities. With components for the gates, quay and operations center, the IIS system can increase efficiency and security in container-handling operations throughout the terminal.

CraneView can display container images, OCR results and stow positions in real time.

Powerful features for monitoring crane operations

The standard CraneView system provides OCR for single-container moves between the crane legs. The CraneView Viewer displays the container images and OCR results for multiple cranes and lets the clerk update container numbers if needed.

CraneView can also be equipped with OCR for backreach moves and twin-20s, audit cameras for visual review of containers, and an IP-based CCTV system to monitor the truck queue.

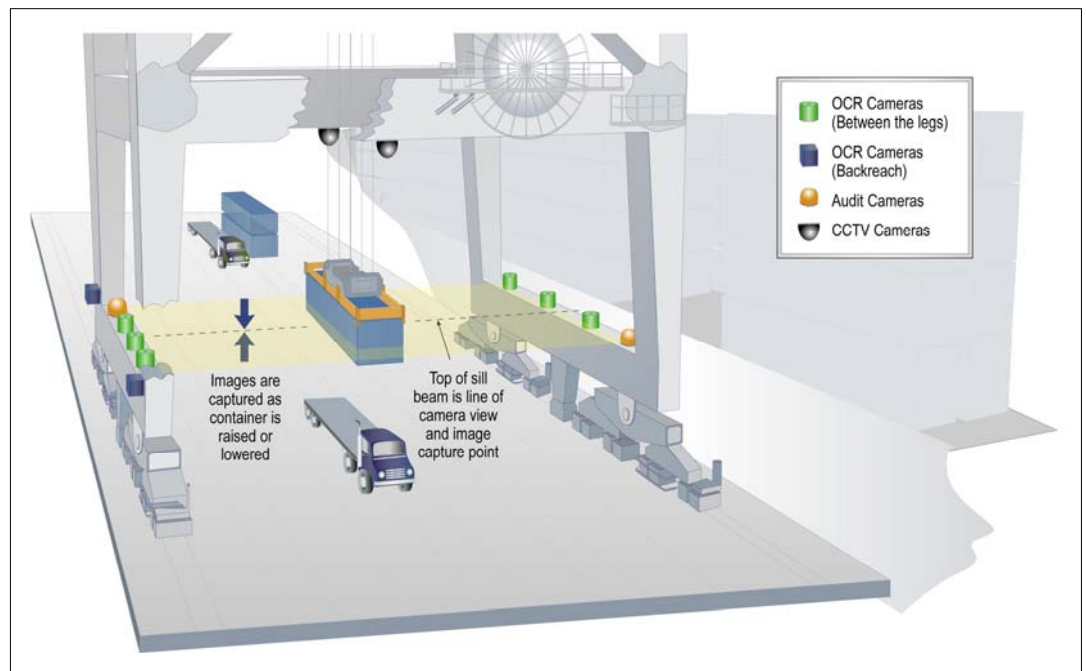
StowPlan: The optional StowPlan feature uses data from the crane's PLC to determine the actual stow position of each container during discharge and loading. StowPlan provides a real-time display of the bays, and issues alerts for incorrect positions and other exception conditions. StowPlan provides tailored functionality for clerks, supervisors and managers.

IIS and SAIC — enhancing efficiency and security at cargo facilities

SAIC has provided IIS systems to enhance efficiency and security at dozens of cargo facilities around the world. Every system is backed by SAIC's world-class installation, training, maintenance and technical support.

Key benefits

- Increases efficiency through automation
- Reduces data errors from manual processes
- Reduces incorrect moves by verifying stow positions
- Helps manage crane operations by providing data directly to the TOS



Typical CraneView configuration, including optional backreach OCR, audit cameras and CCTV.

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