intuVision® VA Text User Story: Recycling Center

Event Reporting with Text Metadata

"intuVision VA Text Detection made it possible to track recycling operations, using the serial numbers assigned to bins, from the cameras placed over stations. "

James Gentry, Facility Director

The North American plant of Hensel, an international business developing solutions for recycling and recovery of precious metals, wanted to establish a video-based automated record keeping system to maintain a visual track of processing their patrons' recycled material containers.

With intuVision's development for customized reporting, Hensel is now able to retain a visual record of work done on recycling containers easily accessible with the customer contract numbers for improved operations.

About Hensel Recycling

Established in 1998 Hensel provides recycling solutions; develops processes and technologies for the recovery of critical raw materials worldwide.

Equipment-at-a-Glance

Hardware: 6 Axis IP cameras one on each work station, intuVision tower analytics unit

Software: intuVision VA Text Detection v.13.2

Periodic Reports with Text Metadata

- Automated reporting of operations with periodic image snapshots

- Reports indexed and accessible by the contract numbers at the workstations detected by intuVision VA Text
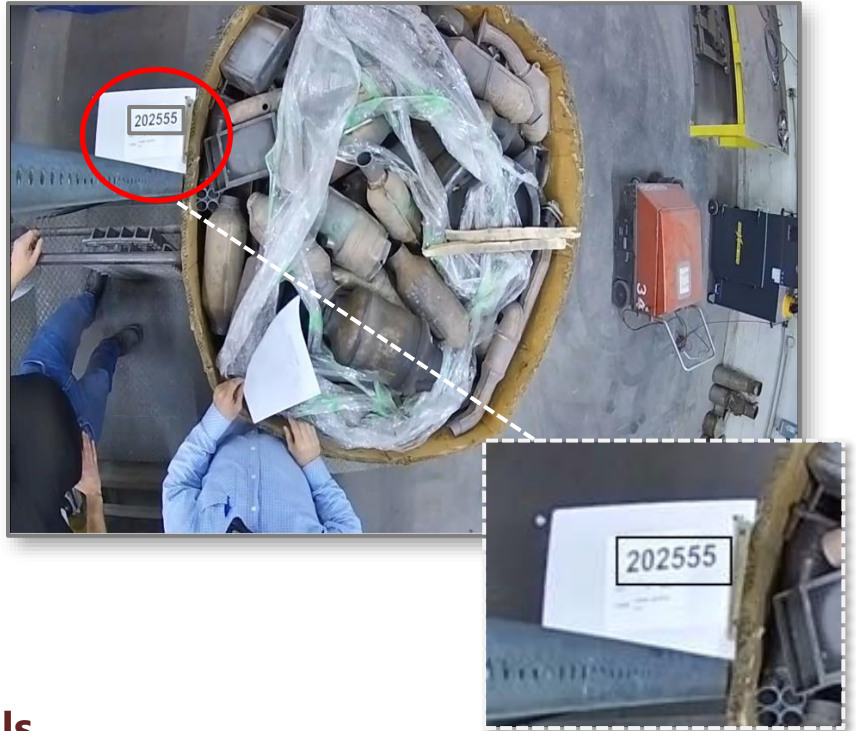
Benefits

- Periodic images showing the work done on each recycled material container.

- Contract numbers is automatically recognized from video.

- Efficiency in post investigations by accessing all image snapshots associated with a contract number.

- Savings in personnel time.

intuVision User Story: Recycling Center

"intuVision Text Detection with automated reports helped improve and sped-up our operations. Using periodic image snapshots indexed by serial numbers from recognized text made it possible to quickly find and review received materials. "

James Gentry,

New Jersey Facility Director

Deployment Details

Hensel assigns contract/serial numbers to containers coming from each of their customers. When boxes from a customer is placed at a work-station, the contract number printed on a paper is placed at a certain spot in the work area. Six cameras are positioned to see each of the processing stations throughout the recycling center. The video is ingested into intuVision VA directly from the camera streams. A dedicated intuVision VA server processes all videos in realtime, detects the contract number text and stores all images with associated numbers. The server is capable of storing images for up to six months.

In order to best fit into their work flow, Hensel requested a custom report format with periodic image snapshots from each workstation for shipments from a particular customer to be indexed by their contract number. intuVision VA was customized to meet these requirements and generate detailed reporting indexed by the detected and resolved contract numbers.