

intelligent  
security solutions

*for* **TANK FARM**



**duostech**

# TANK FARM

## Intelligent Security Solutions

Duos provides an intelligent perimeter surveillance system to secure Liquefied Petroleum Gas (LPG) Storage Facility and Diesel Tank Facilities for energy providers.

### SOLUTION

Digital video cameras create a virtual perimeter around the underground tank area and vital structures on the site.

High-resolution day/night cameras are installed on utility poles around the tank farm, supplemented by Pan/Tilt/Zoom (PTZ) cameras at regular intervals. Intelligent video software transforms the video cameras into an intrusion detection system, analyzing the video feed for changes that may signal a security breach. Company personnel are automatically notified of a problem and use the PTZ cameras to investigate and determine the appropriate response.

Cameras are connected to **rvspro™** digital video servers located in an on-site building that is also protected by the virtual perimeter. Servers are connected to the energy provider's network for remote viewing of both live and archived video and for remote control of PTZ cameras.

The use of day/night cameras and software-based video enhancement delivers a system that works in all light conditions and in bad weather, with the industry's lowest rate of false alarms.

Rule-based **praesidium®** intelligent video software automatically deploys audio and visual alarms, processes live video feeds, and creates a digital video archive. Alarms are classified by type to facilitate later analysis. The system is designed to simultaneously detect multiple events and process each event in accordance with user-defined parameters.

Archived video clips are fully searchable and can be annotated by the operator. This flexible, expandable system includes a customized Graphical User Interface (GUI) for video viewing and PTZ camera control.

### MAJOR PROJECTS

#### CSX RAILROAD

- Avon Tank Farm | Avon, IN
- Louisville Tank Farm | Louisville, KY
- Selkirk Tank Farm | Selkirk, NY
- Waycross Tank Farm | Waycross, GA

#### NATIONAL GRID

- Amherst LPG Storage | Amherst, NH
- E.F. Barrett Tank Farm/Generation | Long Island, NY
- Daversport LPG Storage | Daversport, MA
- Port Jefferson Power Plant | Long Island, NY

#### UNION PACIFIC RAILROAD

- North Platte Tank Facility | N. Platte, NE

#### With **centraco™** Command and Control

All of Duos' intelligent solution is command and control ready. Duos' state-of-the-art intelligent command and control platform, **centraco™** provides a scalable information delivery and response solution that is designed to address operational and management challenges. Designed with years of "real life" situational input, the **centraco™** platform is designed to perform in the most challenging and dynamic environments.

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