

Case Study

Numaligarh Refineries Ltd.



End User

Numaligarh Refineries Ltd.

Location

Numaligarh, Assam

Vertical Market

Petrochemicals

Partners

IndigoVision
Pelco
Dell
AllGoVision

Features

All IP cameras including ex-proof PTZ
Multi-vendor integration using ONVIF
Highly Resilient, Video Analytics



Background

Numaligarh Refineries Ltd. (NRL) is located in the Golaghat district of Assam in close proximity to the Kaziranga National Park. It is a joint venture between Bharat Petroleum (BPCL), Oil India Limited and Govt. Of Assam. NRL operates a 3 MMTPA plant. The project required deploying cameras to strengthen security in the process areas, marketing terminal and the perimeter of the plant. Being an oil refinery the objective was to procure a system that could work flawlessly in the hazardous and corrosive environment adhering to strict safety standards.

Solution

Neural won the public tender to implement the solution for NRL. The deployed solution consists of a total of 65 cameras including 32 IP PTZ dome cameras for safe areas from IndigoVision (UK) and 27 explosion proof IP PTZ cameras from Pelco (USA). Video Analytics complements the security. The cameras are integrated into the IndigoVision video management system (VMS) "Control Centre". Video Analytics from AllGoVision (India) is deployed to detect any event and provide instant alarm for operators. The VMS is ONVIF compliant and integrates multiple vendors into a single platform to provide integrated security. A total of 13 operators manage the day to day operations of the system. The system has built in support for redundancy and failover. Video is recorded for 10 days at full frame rate of 25fps.

The system was commissioned in September 2014 in record time.

Customer Benefits

- Video from 65 IP cameras including 27 ex-proof cameras covering the process area, perimeter and vital locations
- Video Analytics to detect intrusion, smoke, fire, loitering, etc. providing crucial alerts in real time to the management for quick incident response
- Distributed architecture with no single point of failure
- Full redundancy and failover of video recording for a span of 10 days
- Fully ONVIF compliant system giving maximum flexibility to NRL to choose any third party ONVIF compliant vendor
- Future ready system for integration with 3rd party systems like access control, fire alarms, PSIM, etc.