

Nam Con Son Gas Pipeline Facility

Factory: An Ngãi, Long Điền, Bà Rịa - Vũng Tàu

Office: PV Gas Tower Building, Nha Be District, Ho Chi Minh City



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Industry: UTILITIES

End User:

Nam Con Son Gas pipeline came into operation in 2003 to transport natural gas. Dry gas from Nam Con Son Terminal is then transported in pipelines to Phu My Gas Distribution Center (GDC) for delivery to gas consumers. The current maximum capacity of Nam Con Son gas system is 20 million m³ of gas per day.

The NCSP incorporates a 371 km-long pipeline, which transports gas and condensate from the Lan Tay gas production platform offshore in southeastern Vietnam, to an onshore gas processing terminal and a 28 km-long onshore pipeline to customers. Regulations on safety are required strictly for the gas industry as an advanced technology industry. With great achievements, the NCSP contributes to ensuring the national energy and food security stabilizing the domestic LPG gas prices.

Business Objective:

Management at the facility was looking to secure its pipeline with a networked access control solution by using the latest technology standards. The idea was to solve the security problems due to the incomplete access control system that the plant had which did not cover all the critical areas. The objective was to keep all areas access secured while monitoring the facilities environment for elemental hazards.

Solution:

As the execution of the project began, aspects related to atmospheric conditions, the weather and interference by electromagnetic fields were taken into account greatly in order to correctly deliver the proper working solution. Multiple access control systems were implemented in order to restrict the entrance to critical areas while protecting the perimeter and strategic areas inside the utilities plant. An elemental detection system was also installed to monitor the plant from any unexpected probe changes, threats and warnings.

ACCESS CONTROL

SAFETY & DETECTION

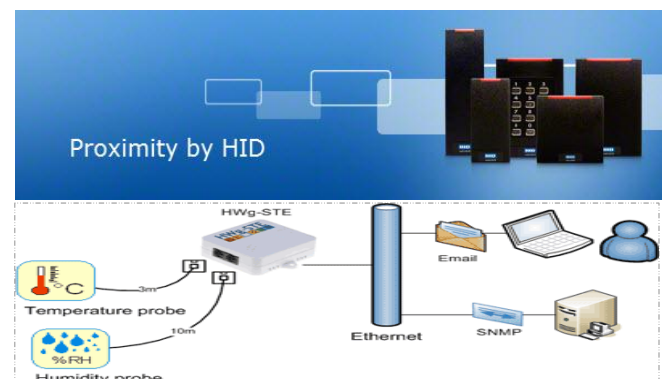


(Nam Con Son Gas Pipeline Facility - Vũng Tàu Factory)

Access Control System:

Total in all 19 doors are equipped including office

- 14 – Sets Controller ASIS ACU205
- 19 – Sets Reader HID Proximity
- 1 – Set Management Software IBSS
- 3 – Sets BF450 Converter from 485 to IP
- 1 – Temperature and Humidity System



Result:

Critical areas are supervised and access control is secured. The products used for the project insure completely quality, integration, automation, warranty and further on-going support.

Installer and Supplier:

JOINTECH

456/26 Cao Thang Street, Ward 12,
District 10, Ho Chi Minh City, Vietnam
Website: www.jointech.com.vn
Telephone: +84 908213867

Ho Chi Minh City Power Company

Tan Son Nhat Station: Tan Binh District, Ho Chi Minh City

Binh Tri Dong Station: Bin Tan District, Ho Chi Minh City



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Industry: UTILITIES

End User:

Ho Chi Minh City Power Corporation engages in the management, distribution, trading, reform, and development of power grids. It sells power; distributes power network systems; supplies and transports electrical materials; and constructs power civil works. The company also provides informatics services; power engineering services, such as survey, design, testing, repair, and manufacturing.

To meet the current electricity demand, the company has undertaken an innovative smart grid pilot project in Ho Chi Minh City to demonstrate the application of smart grid platform technology to help deliver energy efficiency in order to offset some of the demand growth, while improving reliability and operational benefits to customers.

Business Objective:

Mainly, the idea was to solve the security problems due to the incomplete surveillance system that the power station had operating, which did not cover all the critical areas. The information storage was not secure as well and the quality of the information did not allow any forensic analysis. The objective of this project was to secure all areas that were posing a hazard threat to intruders while monitoring the plant for perimeter safety. Two locations needed to be supplied with a working solution.

Solution:

The power stations main facilities are now secured by a complete surveillance camera system for monitoring, and alarm system for intrusion. Building doors remain locked at all times, and the intrusion systems are armed whenever a corridor is unoccupied. While the plant operates, visitors and personnel are monitored precisely for any unexpected intrusion, security threat or safety hazard in the ground areas. The power facilities are equipped with an integration system for an integrated view of all system components.

SAFETY & DETECTION

VIDEO SURVEILLANCE



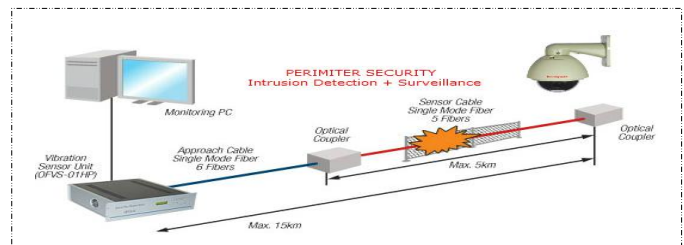
(Vietnam Power Company – Binh Tri Dong High Voltage Power Station)

CCTV Surveillance Camera System:

- 20 – Sets Honeywell Cameras
- 2 – Sets DVR Pelco
- 2 – Sets Joystick Controller PTZ

Intrusion Alarm – Outdoor / Waterproof Type:

- 8 – Sets Beam Sensor
- 2 – Sets Matrix 832
- 2 – Sets Control Key Pad Panel
- 2 – Sets Siren Bell



Result:

The integrated security system has improved employee safety for Ho Chi Minh City Power Station. For example, in areas where the electricity grids are exposed, the security team can examine the area by video if a problem arises – making them better prepared to address the situation safely.

The installed intrusion system has also eliminated some cautious hazards that were previously happening at the premises. The new installation has helped the power company eradicate loses and enforce safety much better with their current security monitoring.

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