

Providing quality and durable surveillance solutions at Petronas Carigali – Sarawak, Malaysia



BOSCH

Invented for life

Industry:

Oil and Gas

End User:

Petronas Carigali Sdn Bhd

Petronas Carigali is the national oil and gas company of Malaysia, wholly-owned by the Government of Malaysia. It is among the FORTUNE Global 500® companies and operates with many subsidiaries and associated companies. With fully integrated oil and gas operations in a broad spectrum of the oil and gas value-chain, Petronas Carigali aims to develop and add value to oil and gas resources in a manner that carefully balances commercial, environmental and social considerations.

Business Objective:

With operations this large, Petronas needed a way to monitor its various equipments effectively, as well as to deter any possible intrusions from unauthorized personnel.

To achieve this, the surveillance cameras needed to perform well even under low light conditions, due to the working environment within the facility. Clarity of the images captured was important to them also, as they needed to identify the various personnel moving around the vicinity. In certain areas more prone to explosions, like the refinery machinery and gas piping areas, the cameras needed to be explosion-proof as well.

With such objectives in mind, the Utility Engineer Team from Petronas looked towards Bosch for an integrated solution to their needs.

Solution:

The MIC explosion proof series managed to meet all the stringent requirements set out by the end-users and greatly impressed them after Bosch conducted a Factory Acceptance Test (FAT) with the cameras for 5 days, explaining and demonstrating to the end-users the camera's quality and features.

Bosch's Autodome CCTV systems were installed around the parameter fencing while the MIC explosion proof series were installed in key areas such as the refinery machinery and gas piping areas. The camera systems were managed with the Divar-700 series digital recorders, which provided hybrid functionality and highly efficient H.264 video compression to deliver real-time, 4CIF performance on all channels.

The competitive price and advanced features of Bosch's CCTV systems ultimately won the end-users over and cemented their decision to go with Bosch's solutions.



Petronas Carigali

Customer Benefit:

The MIC explosion proof series had a wider view angle than the other competitors and this made surveillance a lot more efficient for the end-users. Also, the all-in-one features of the series made it cost effective for the end-users in comparison with competitor products.

The image quality from the cameras was high and the cameras performed very well even in low light conditions.

Key Success Factors:

- System ease of use
- Seamless integration
- Support from Bosch on training

Installed by:

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