

Project
reference

Mehar Gas Field, Pakistan



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Pakistan, the sixth most populous country in the world, is a nation on the rise. But there is more to its economy than agriculture and textile alone. Since Pakistan started privatising its state-owned corporations, the country has seen an influx of foreign companies looking to invest in its natural resources.

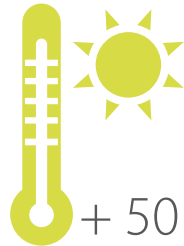


6th most populous country in the world



4,300
BOE per day

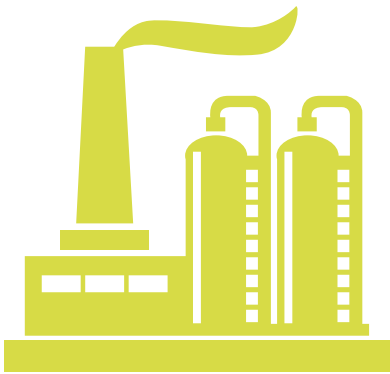
hot summers and cold winters



+ 50 °C / 122 °F



-24 °C / -11 °F



4 km
between pumping station and control room



Customer

OMV Pakistan Ltd.

EPC contractor

SPEC International FZE

Systems integrator

H.K. Shah Enterprise Ltd.

Technology

IP-based video network

Market

Oil and gas industry

Challenge

Developing an environmentally hardened video surveillance solution with excellent picture quality over long distances

Solution

Siquira's IP cameras with built-in SFP interfaces, Siquira's managed switches, VDG Sense (formally known as DIVA)

The challenge

For its newly developed gas field in Mehar, Pakistan, international oil and gas company OMV needed a video surveillance solution able to cope with the region's hot summers and cold winters. The facility itself is extensive, with an estimated production of 4,300 BOE per day in the first year of operation.

A combination of harsh conditions and long distances between surveillance devices usually means deploying an analogue CCTV system. OMV, however, wanted a future-proof solution with excellent picture quality for the protection of the entire site.

The solution

Siquira decided to implement a mix of its environmentally hardened BC620WDR, HSD626 and HSD820H2-E cameras to monitor the perimeter of the site as well as the plant's pumping station, which is located four kilometres away.

The BC620WDR is an award-winning IP box camera providing superior low-light performance. The HSD626 and HSD820H2-E form part of Siquira's explosion-protected ExPLORE range. These high-speed PTZ dome cameras have an IP66 ingress protection rating, which means they are 100 percent dust-tight. All three camera types offer wide dynamic range for optimal image quality under difficult lighting conditions, and all have a flexible SFP interface that allows for easy connection to the site's fiber-optic Ethernet network.

At the heart of Mehar's fiber network lie Siquira's XSNet S4124SW SFP Gigabit Ethernet switches, which feature twenty-four 100Base-FX SFP slots and four combination backbone ports. These switches safely transfer all IP streams to the control room, where operators have the entire system at their fingertips with VDG Sense (formally known as DIVA), Siquira's advanced video management solution.

Let's siquire your world!

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Siqura is part of TKH Security Solutions, a division of the TKH Group. TKH Security Solutions offers a wide range of systems for access control, surveillance, intrusion detection and video management.

