



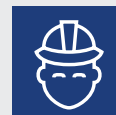
APPLICATION SPOTLIGHT—Oil & Gas



Improve
Efficiency



Reduce
Costs



Improve
Safety

UPSTREAM AND MIDSTREAM SECURITY

EXTENDED AND NEAR PERIMETER PROTECTION USING THERMAL DETECTION WITH ANALYTICS

THE CUSTOMER'S CHALLENGE

Many oil and gas companies manage miles of gas lines within their operations and have an extensive portfolio of real estate to manage. This breadth of assets can be challenging to effectively operate and secure. Historically, oil and gas companies have dispatched a technician to check their gas lines on a daily basis, which is exceptionally expensive. Companies need a way to minimize the necessity of personnel to check on false alarms or extended motion triggers.

A SOLUTION

Oil and gas operators typically manage large numbers of remote sites, under the constant threat of trespassers. There are several solutions that can help reduce risk of theft and vandalism at these sites. The FLIR Saros DH-390 camera provides wide-area coverage, using onboard analytics to detect intruders. It combines thermal and optical image sensors to give remote security operators detailed views of the site, and the event that caused an alarm, covering areas up to a quarter acre per camera. The FLIR Elara Series includes the FC-ID thermal cameras, which also utilize onboard video analytics to detect perimeter breaches over longer ranges, up to nearly half a mile. Multiple Saros and Elara cameras can be combined with VMS solutions from FLIR or third parties to create comprehensive security solutions that enable oil and gas operators to efficiently secure their sites and receive real-time notifications of perimeter breaches.

THE RESULTS

FLIR security solutions allow oil and gas operators to receive realtime notifications of unauthorized site activity. Operators can then respond immediately, preventing losses associated with equipment downtime and damage. These systems can also provide live views of the site at any time, allowing basic visual inspections to be carried out without having to dispatch technicians to each site, which increases operational efficiency of the organization.

For more information about FLIR in industrial parameter protection or to schedule a product demonstration visit:

www.flir.com/oilandgas/extraction-production

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Oil and gas companies need fewer false alarms to avoid wasting time and resources.



A FLIR thermal imaging solution combined with analytics can expand perimeter protection without a large investment in additional fencing or hardware.



FLIR DH-390

FLIR FC-ID

