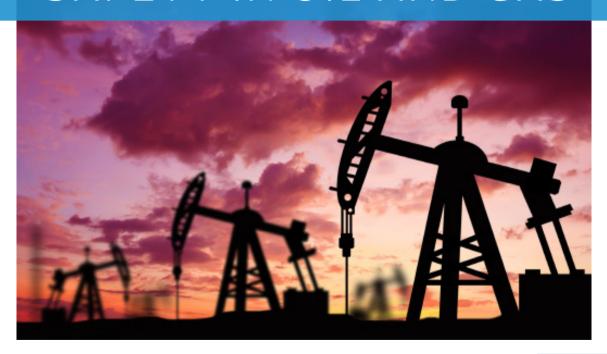# SAFETY IN OIL AND GAS

CHALLENGE:
DEMAND AND GROWTH

Global energy demand is rising at a rapid rate. According to the U.S. Energy Information Administration, world energy consumption will grow by 56 percent between 2010 and 2040. This fact propels strong energy producers, such as oil and gas providers, to embark on extensive exploration and production activities to meet this increasing demand. As energy-centric and oil and gas organizations look to emerging markets or remote regions to source production, security is crucial to their success. A robust security program drives business in the energy sector, allowing oil and gas providers to focus on developing and managing assets while streamlining delivery.

ELEVATE INTELLIGENCE

Driven by innovation, environmental sustainability, and customer and employee satisfaction, oil and gas organizations seek ways to lower operational risk, boost productivity and ensure workplace safety. Asset protection and perimeter security are taken very seriously and should be considering the high-profile environments in which these businesses operate.

The unsettling fact is that extremist groups know all too well that a country's oil and gas, or energy facilities would be an effective terrorist target. A disruption of a major energy source could have disastrous consequences as these services and facilities are vital to the economy. Furthermore, energy-focused organizations have a number of regulatory procedures to follow in regard to environmental protections, safety precautions and safe handling of hazardous materials.

CHALLENGE: EVOLVING RISKS

The ever-changing risk environment propels leaders to develop stringent security strategies to ensure robust protection, effective and efficient response, and business continuity. Energy providers require comprehensive security planning and technology systems that can augment the capabilities of security personnel.

In recent years, real-time video surveillance solutions have become the standard for securing oil and gas facilities, as well as related assets, and now these organizations seek out platforms that can help gather intelligent data that drive not only security efforts but also business optimization whether the business is upstream, downstream or midstream.

INTELLIGENT STRATEGIES

Security risks and cyber attacks against the oil and gas industry show no sign of slowing as threats become increasingly complex and sophisticated, targeting both physical and IT systems.

Continuous improvements to security safeguards and protocols help protect valuable company information, key operational equipment and maximize operations in a safe and secure manner. A comprehensive approach to security — one that propels collaboration of physical and IT security teams — is ideal for the energy sector and therefore, an IP-based surveillance and security management solution is the most flexible and scalable choice.

With the right technology, oil and gas facilities can be aware and practice a proactive security posture to mitigate threats to critical facilities and assets, concentrating efforts on achieving situational awareness and increasing real-time response to threats.

Analyzing data from surveillance and security platforms enable users to proactively detect threats or anomalies, while identifying potential vulnerabilities. Security leaders can leverage this information to improve real-time responsiveness and ensure business continuity.

SOLUTION:
SECURITY INTELLIGENCE

Advanced video surveillance, perimeter protection and security intelligence solutions help businesses achieve rigorous perimeter protection, high levels of safety, and full health and safety compliance to better protect employees and assets from harm.

Intelligent video surveillance and security technologies enable organizations to prevent, respond to and investigate security incidents quickly and efficiently. Analyzing critical data from surveillance and security platforms enable users to proactively detect threats or anomalies, while identifying potential vulnerabilities. Security leaders can then improve real-time responsiveness and ensure business continuity.

Open-platform security management and surveillance technologies enable integration with other security, IT and business systems, allowing for easy expansion as facilities are added or security risks change. Identifying correlated data from multiple systems in a single interface helps achieve robust situational awareness.

Organizations must maximize analysis and evidence-gathering for incident reconstruction and risk management, and enable security personnel to coordinate and share data as necessary to drive more informed, efficient response. Innovative security technologies are a critical part to helping ensure the health and safety of employees, while simultaneously safeguarding infrastructure and assets from risks.

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Pelco

625 W. Alluvial Avenue, Fresno, CA 93711 USA
(800) 289-9100 Tel (800) 289-9150 Fax
+1 (559) 292-1981 International Tel
+1 (559) 348-1120 International Fax