Secure Personnel and the Environment with Precision



Accurate vessel detection

Hikvision's solution helps timely detect suspicious ships near the oil platform, or other risks and security breaches, safeguarding workers and critical equipment.

Personnel safety compliance

Hikvision's AI-based devices verify the presence of personal protective equipment, preventing safety hazards while achieving legal safety compliance.







Abnormal activity detection

Hikvision helps identify emergencies and hazardous events that can threaten worker safety, such as falls, prolonged lone work, and improper device placement. This enables managers to respond in a timely manner.

Emergency mustering

During emergencies such as a fire, the sensor automatically triggers the opening of escape routes and emergency exits. Broadcasts, SMS reminders, and other measures accompany the process of gathering personnel in a safe place.

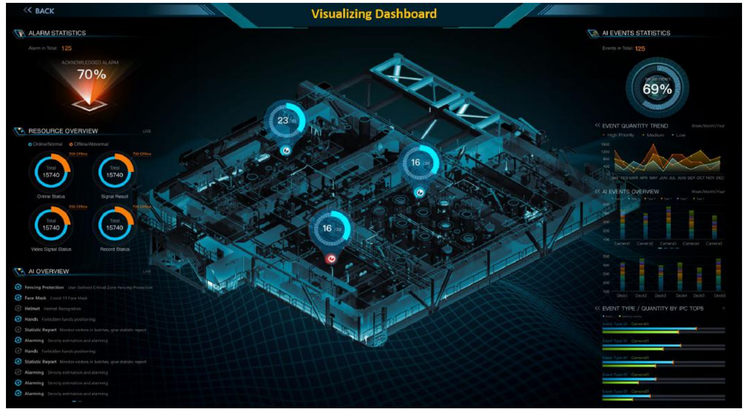


Provide Insights with Visualized Data



Manage all devices and alarm information seamlessly through the HikCentral Professional software platform. Receive real-time alarm notifications in pop-up windows, enabling the security team to quickly respond with an intuitive user interface.

Additionally, Hikvision's software platform offers a visual data dashboard, providing a comprehensive and easy-to-understand overview of the system's status. This enhances overall management efficiency and empowers the security team with actionable insights.



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HIKVISION

Empowering secure and transparent energy production

Hikvision Offshore Oil Platform Solution



Solutions by Scenario

Designed for extracting and processing petroleum and gas reserves from beneath the ocean floor, oil platforms face hazardous working conditions and complex sea environments. They're seeking reliable solutions to boost offshore operations and management.

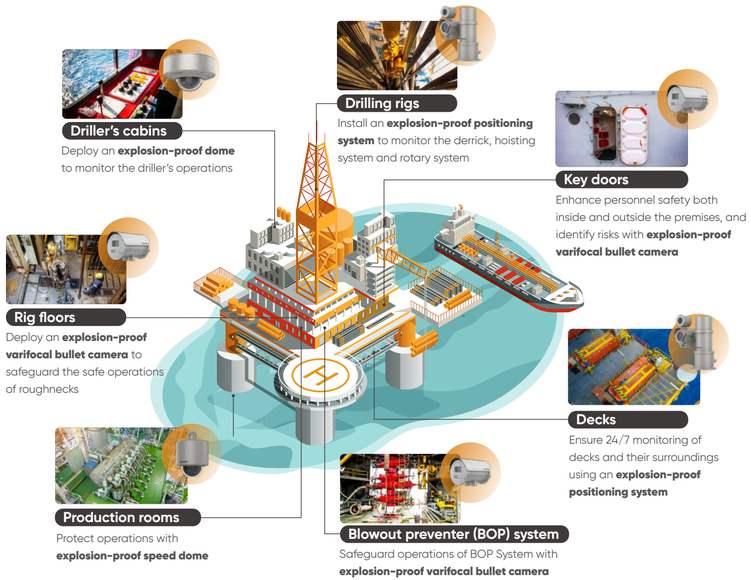
Hikvision's state-of-the-art digitalized solution aims to enhance personnel safety and optimize efficiency, thereby minimizing downtime, costs and environmental impact.

Read on to learn how Hikvision helps offshore oil platforms operate with increased reliability and effectiveness.



Keep Production Running Smoothly

Hikvision's explosion-proof cameras and thermal cameras play a pivotal role in ensuring uninterrupted oil and gas production on offshore platforms. These cameras provide extensive video coverage and rapid detection of potential concerns using AI algorithms. Collectively, they ensure maximum safety and effectiveness.



Driller's cabins

Deploy an **explosion-proof dome** to monitor the driller's operations

Drilling rigs

Install an **explosion-proof positioning system** to monitor the derrick, hoisting system and rotary system

Key doors

Enhance personnel safety both inside and outside the premises, and identify risks with **explosion-proof varifocal bullet camera**

Rig floors

Deploy an **explosion-proof varifocal bullet camera** to safeguard the safe operations of roughnecks

Decks

Ensure 24/7 monitoring of decks and their surroundings using an **explosion-proof positioning system**

Production rooms

Protect operations with **explosion-proof speed dome**

Blowout preventer (BOP) system

Safeguard operations of BOP System with **explosion-proof varifocal bullet camera**

Learn about Hikvision's explosion-proof cameras

- **Designed for the most hazardous areas**
  A reinforced stainless-steel casing and flame-proof joint greatly reduce fire risks and impacts.
- **Built-in AI analytics**
  Dangerous jobsite practices such as improper use of hard hats are immediately detected and alerted.
- **Recognized by international standards**
  Certified by ATEX, IECEx, and UL 60079 standards for resistance to explosions caused by gases, flammable dust, and other elements.



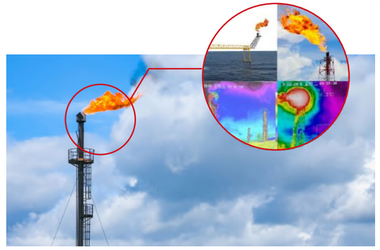


Gas leakage detection

Hikvision's professional cameras for gas leak detection detect methane concentrations in a given area and promptly alert nearby workers when thresholds are exceeded, ensuring their safety.

When combined with handheld devices, they can precisely detect specific leak points for quick repairs.





Real-time flare monitoring

Flaring eases the pressure of gases generated from oil extraction. Hikvision's thermal cameras monitor flame combustion in real time, promptly alerting in case of extinguishment or insufficient/over combustion, preventing hazards and environmental harm.

Industrial thermography

From abnormal oil levels to insulation damages, Hikvision's professional thermography cameras enable early detection of anomalies. By identifying small temperature changes, users can take proactive measures to minimize losses and keep efficient operations.

