



Protecting health, safety and the environment

with Axis network solutions for oil and gas.

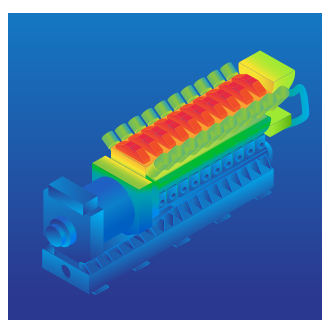
Every organization must protect the health and safety of its workers, the public, and the environment. In the oil and gas industry, with its many hazardous applications, this is no small task. But Axis network solutions give you a highly effective – and cost-efficient – tool for protecting workers and the environment in upstream, midstream, and downstream oil and gas activities – even at remote sites. Use them to:

- > Monitor and evaluate activities in real-time
- > Control access to and occupancy of restricted areas
- > Monitor for policy adherence and accidents
- > Assess emergencies, track and support rescue teams
- > Monitor for environmental hazards

The same solutions that help you protect people and the environment can also help you secure your sites and improve productivity – often with the same device playing multiple roles. The result is invaluable support for tasks of life and death importance, and a swift return on your investment.

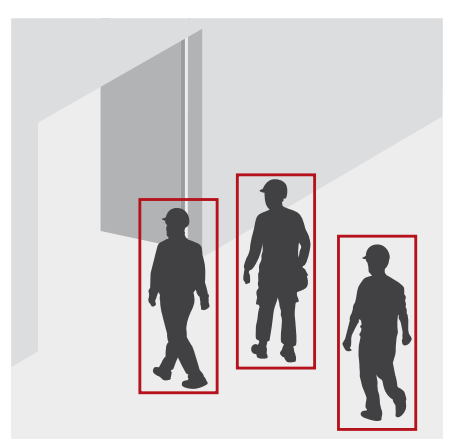
What's in an Axis network solution?

Network surveillance solutions consist of IP-based thermal and visual cameras, radar, access control, and audio equipment, all connected in a network. They support intelligent analytics, which means they can act as advanced sensors. And they support open industry standards and interfaces, which make them easy to integrate with other IP systems, easy to add to, and easy to upgrade. So they're scalable and future proof.



Monitor and evaluate activities in real-time

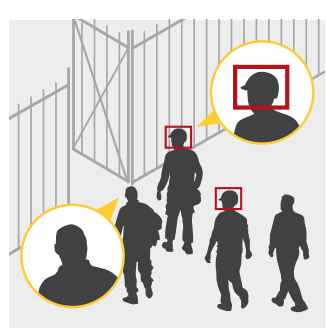
Visual cameras with excellent image quality let you monitor worker activities in real-time from a central control room. You can also assess weather and water conditions, and monitor landing pads, and the transportation of crew on and off offshore platforms. In addition, intelligent analytics on temperature alarm cameras deliver valuable information about unsafe temperature variations that can lead to fires and safety-threatening gas leaks.



Control access to and occupancy of restricted areas

Cameras with crossline analytics warn away workers who get too close to dangerous zones or attempt to enter restricted areas. If a warning is ignored, security personnel are alerted and can speak to the culprits over a speaker. We also offer integrated network access

control devices for managing access to restricted areas or confined spaces. Once individuals or vehicles are admitted, our solutions can track their movements until they leave the area. And people-counting analytics inform you if occupancy limits aren't being adhered to.

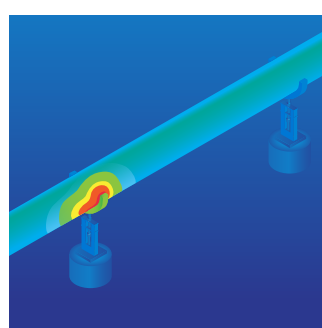
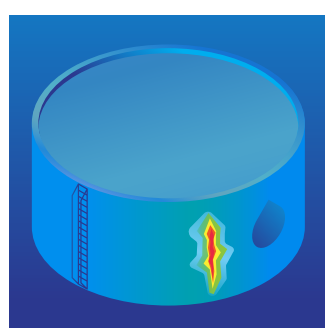


Monitor for policy adherence and accidents

Cameras incorporating analytics for detecting protective equipment send alerts if workers fail to use proper protective equipment such as hardhats and fall-safety devices. They can issue pre-recorded warnings or operators can use audio components to communicate with people directly. You can also gather useful data on policy adherence. And man-down analytics deliver immediate alerts if a worker falls and fails to get up, gets caught in equipment, or falls overboard. So you can take fast action to prevent further injury or death.

Assess emergencies, track and support rescue teams

Axis network solutions are invaluable in emergencies. Cameras can be used to help evaluate the type, scope, and severity of the emergency. And they can assist with safe, fast evacuation by detecting smoke and how it develops, tracking the flow of evacuation through the site, tracking rescue teams, and supporting them with audio messages. You can also monitor air temperature in warm climates and trigger pre-recorded announcements advising personnel to stop working when it gets too hot.



Monitor for environmental hazards

Intelligent analytics detect oil spills and monitor the level of environmentally regulated emissions. To prevent leaks, thermal cameras can also detect corrosion and inadequate insulation of tanks, pipes, pipelines, and other storage and transport equipment. Early detection allows for predictive maintenance and timely repairs. Plus the fact that thermal cameras require no lighting provides additional environmental benefits.

The Axis advantage

- > Remote control and monitoring of multiple sites from a central location
- > Explosion protected devices with worldwide certifications
- > Devices designed for harsh conditions
- > Powerful edge-based processing enabling artificial intelligence
- > Cost-effective solutions for difficult light conditions
- > Axis Zipstream technology for low bandwidth and storage requirements
- > Focus on cybersecurity in design, development, and testing
- > Specially designed chips with enhanced security features
- > Scalable, future-proof solutions
- > Multiple connection possibilities from PoE to fiber optics for long-distance connection