

A worker in a blue hard hat and orange safety vest is shown in profile, looking at a tablet. The background is a blurred cityscape at night with bokeh lights. Overlaid on the left is a futuristic digital interface with glowing lines and a central circular graphic.

Optimize safety and operational efficiency in hazardous areas

EXPLOSION-PROTECTED
PRODUCTS FROM AXIS

AXIS[®]
COMMUNICATIONS

Achieve more, safely, in hazardous areas



New efficiencies with advanced explosion-protected products

Regulatory requirements for hazardous areas apply mainly to the protection method of electrical equipment. Different explosion-protection techniques are permitted within the various zones and divisions. Axis explosion-protected products optimized for these allow you to choose technology that goes far beyond surveillance to provide added value to your business. The potential operational and safety benefits the technology empowers are up to you. Why settle for products that simply fulfill regulatory requirements, when the same installations could be capable of so much more?

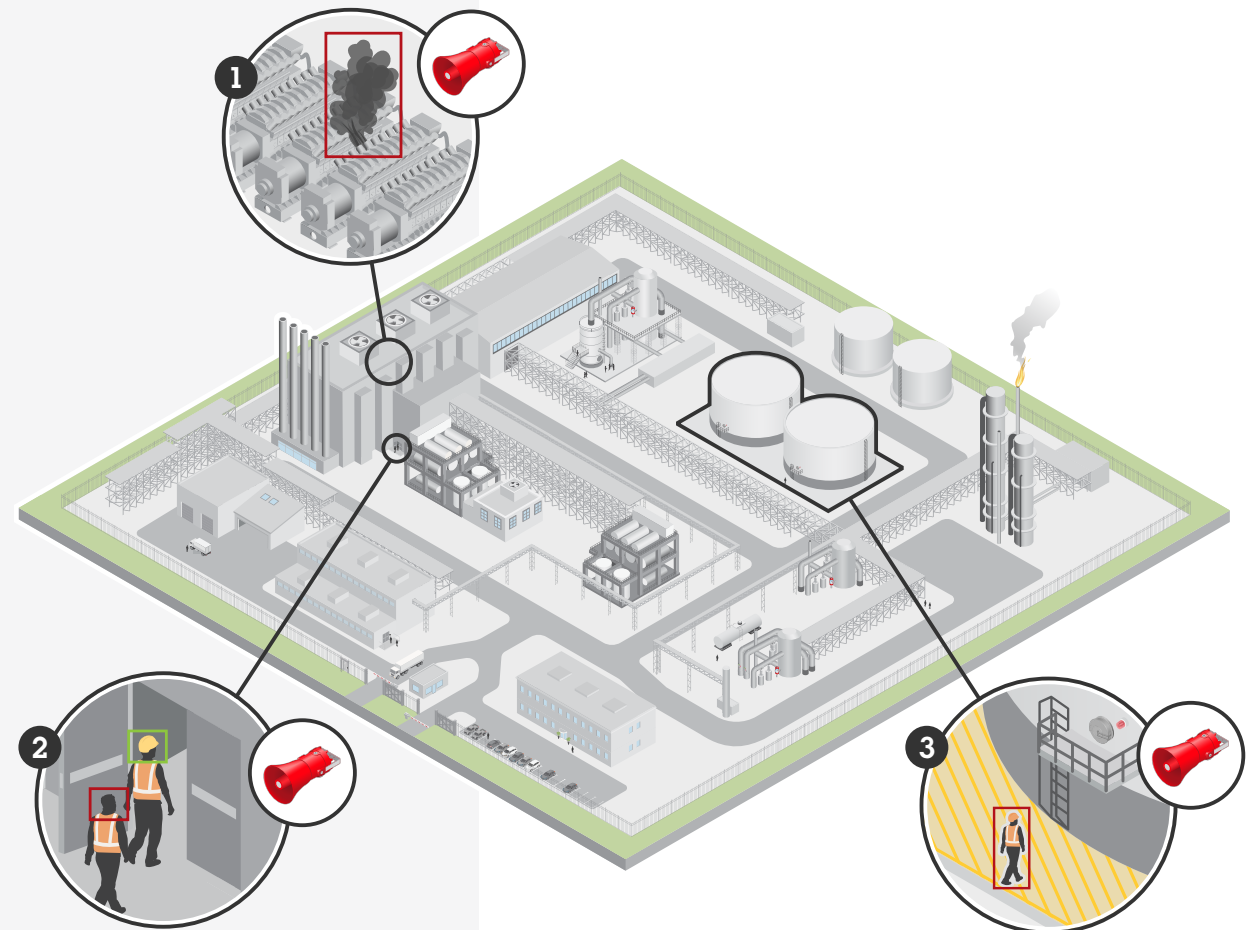


Advanced decision-making support

Axis cameras both see and analyze, acting as advanced visual sensors. AI-enabled image processing supports safe operations and detects operational patterns and trends, assisting with predictive maintenance. Through sensor integration, visual data can be combined with process data to further optimize your production. By processing data on the edge, the cameras filter and send only relevant data to your process control or video management system. The resulting speed and accuracy of data interpretation enables you to make fast and well-informed decisions around everything from productivity improvements to ensuring health and safety of personnel.

Protect personnel

Axis explosion-protected products provide added situational awareness and a layer of safety to personnel on site. Rather than replacing people, our cameras can be an effective way to minimize unnecessary human exposure to hazardous areas. Adding audio, our devices will also help maintain safer working conditions and processes by providing another protective layer to your existing safety systems.



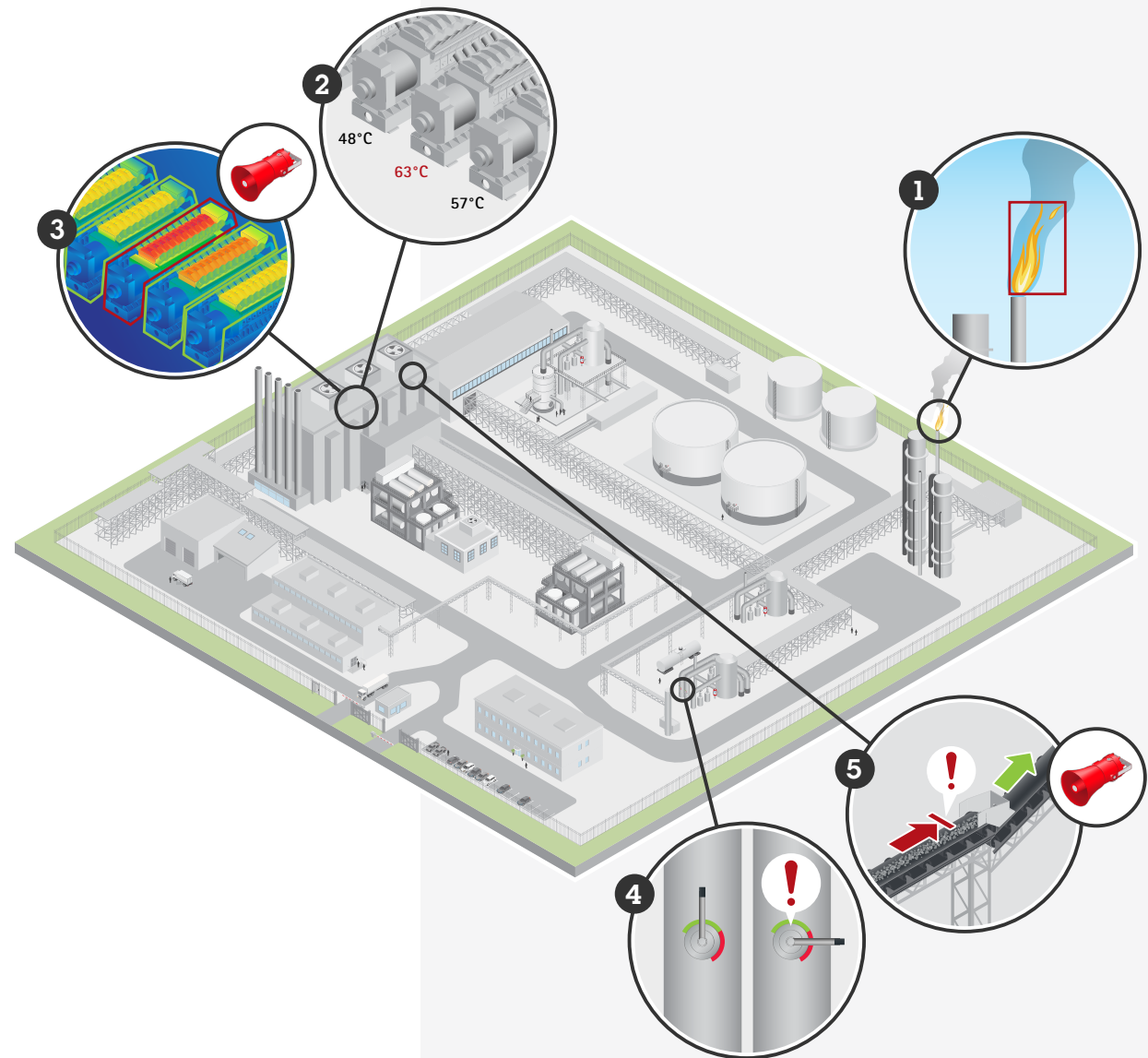
HEALTH AND SAFETY

- 1 Enable fire prevention with early detection of smoke and fire, using embedded analytics in the camera. Immediate situational overview allows for prompt appropriate action.
- 2 Use personal protective equipment (PPE) detection for safety equipment alerts.
- 3 Monitor confined spaces and restricted areas to minimize staff exposure to high-risk situations.

Suggested solutions may require additional integration with third-party hardware and software. The Axis unique combination of open platform and global partner network supports cross-functional collaboration and solution development to meet specific customer needs.

Optimize productivity

Axis explosion-protected products can help you maintain peak operability. By enabling more and better data collection, and AI-powered analytics directly in the cameras, Axis and partner technologies help predict maintenance. This can enable an optimization of operational performance and contribute to maximum uptime of critical equipment and processes.



OPERATIONAL EFFICIENCY

- 1 Monitor flares with a visual camera for smoke, and a thermal camera for the flame, giving you oversight of waste gas disposal and an ongoing indication of overall plant performance.
- 2 Gain greater scene understanding through data overlays.
- 3 Monitor equipment overheating and temperature changes, enabling predictive maintenance.
- 4 Use visual verification of incident alerts to avoid process or plant shutdowns, or unnecessary service personnel deployment.
- 5 Automatically detect anomalies in production to quickly remedy potential issues.

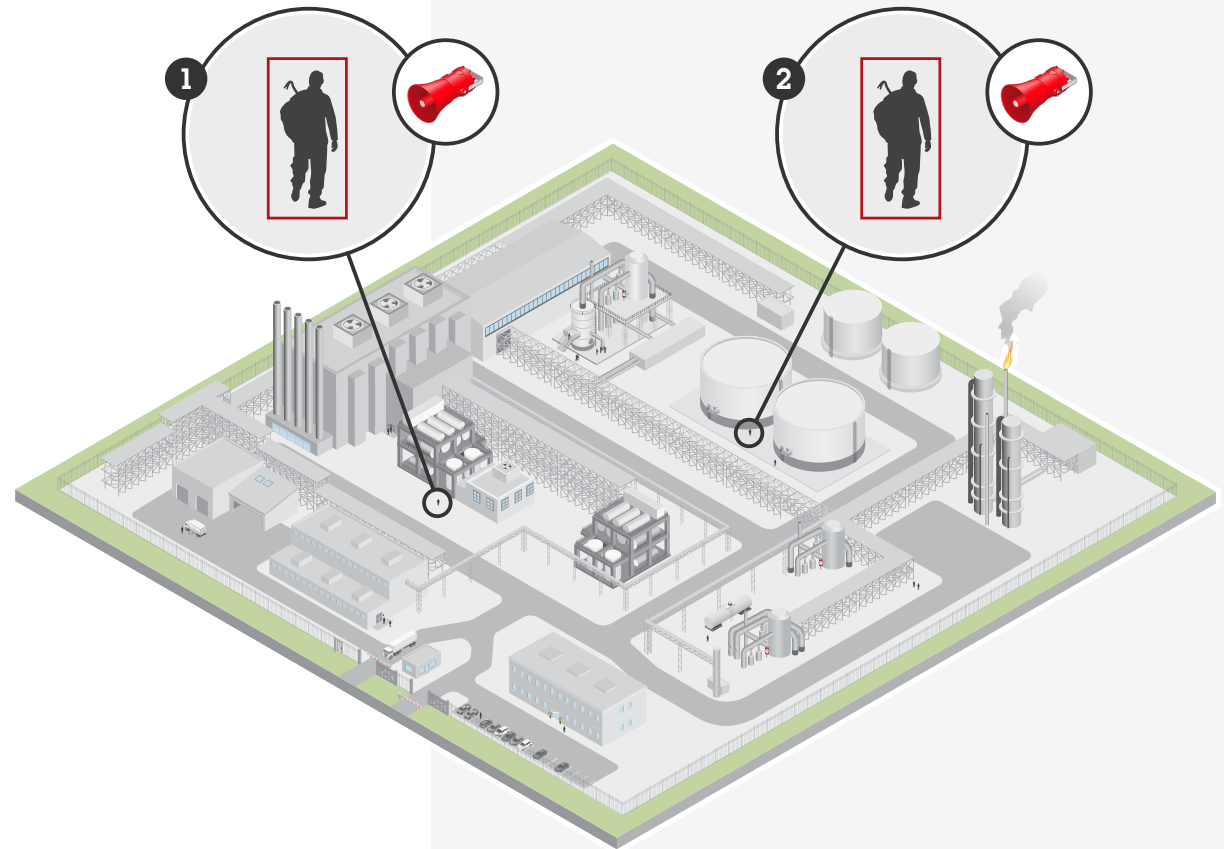
Suggested solutions may require additional integration with third-party hardware and software. The Axis unique combination of open platform and global partner network supports cross-functional collaboration and solution development to meet specific customer needs.

Support security

Axis explosion-protected products help you protect operations through preventing sabotage and theft. By integrating our cameras with network audio, you can deter unwanted activity with live or prerecorded audio messages that let suspects know they've been detected.

SECURITY

- 1 Avoid sabotage to ensure the integrity of the product and that production is up and running.
- 2 Mitigate theft to safeguard raw material and finished goods.



Suggested solutions may require additional integration with third-party hardware and software. The Axis unique combination of open platform and global partner network supports cross-functional collaboration and solution development to meet specific customer needs.

Explosion-protected products the Axis way

Our products are designed, rigorously tested and approved for use in hazardous areas with harsh industrial conditions.

Optimized design

Axis explosion-protected products separate themselves from others in their design. Our Zone/Division 1 enclosures are developed to fit the cameras — not the other way around. This allows us to focus on providing the best camera possible for hazardous environments. The enclosure never limits what's possible with an Axis explosion-protected camera, which is always designed, from the CPU up to the final certified product, entirely by us.

Certified for all markets

Axis has a portfolio of explosion-protected products designed and certified to be used anywhere in the world, from arctic to desert climate, with a full range of power and network connectivity, all within a single part number. That simplicity enables short lead times and worldwide availability, for flexible deployment within multinational companies.

Products for every need

Axis has a broad portfolio of explosion-protected products and accessories to suit any environment and application. Fixed cameras are ideal for process monitoring. PTZ cameras allow unobstructed views in every direction. Multisensor cameras enable situational awareness. Thermometric cameras provide the ability to see beyond the visual spectrum. All can be used with a wide range of analytics, and data-driven capabilities. In addition, Axis network speakers make it easy to get event-triggered, live, and scheduled messages to hazardous areas.



Cameras specifically designed for Zone/Division 2

The Axis portfolio consists not only of Zone/Division 1 cameras, but also of cameras specifically designed and certified for Zone/Division 2. These locations don't require the stainless-steel enclosure, which allows for a smaller, lighter design that still meets all requirements.



Why Axis for explosion-protected products?

Advanced features and technologies

- Built on open industry standards, they are flexible, scalable and easy to integrate.
- Benefit from ACAP (AXIS Camera Application Platform) for third-party analytics, which expands a camera's capabilities to address the needs of your specific environment.
- AI-powered analytics on the edge allows the camera to take immediate action based on pre-set rules.
- Built-in cybersecurity features that effectively battle vulnerabilities and cyber-attacks.
- Axis Zipstream - lowers bandwidth and storage requirements, while preserving forensic detail.
- Axis Lightfinder technology - high-resolution, full-color video even in near darkness.
- Electronic image stabilization (EIS) - clear image, even when machinery causes vibrations.
- Easy to install, configure and use, they don't need external power supplies and junction boxes.

Optimizing hazardous areas everywhere, all the time

Axis innovates for a smarter, safer world—a vision that naturally includes addressing the many challenges our customers with hazardous areas face in day-to-day operations.

That's why you'll notice many key differences in the Axis offer. All of our explosion-protected products are engineered chipset-to-enclosure, with cybersecurity built in from the start, by Axis—your assurance of high quality. Axis solutions are compatible with the most widely used video management systems. And we offer excellent support and education thanks to our global presence and an extensive partner network.



Cybersecurity

Axis explosion-protected products have a variety of built-in cybersecurity features to counter cyber-attacks and prevent unauthorized access. Axis is constantly adding additional layers of cybersecurity, identifying and addressing vulnerabilities. Our cybersecurity strategy is long-term and continuously improving to help reduce the risk of digital attacks on your operations.



Support

In high-investment hazardous areas with critical operations, you can rely on Axis for the highest quality products, service and support. We provide a five-year warranty, an advance replacement policy and industry-recognized training. Even after a product is discontinued, Axis will provide free firmware security updates for several years, protecting your investment long-term.



Extensive partner network

Partnership is at our core and helps us define and shape new opportunities. Our commitment to partnership has made Axis the most integrated camera brand on the market. Collaborating with a vast, global network of partners, all with their own unique expertise, strengthens our overall offering and provides you with value, knowledge and solutions.

About Axis Communications

Axis enables a smarter and safer world by creating solutions for improving security and business performance. As a network technology company and industry leader, Axis offers solutions in video surveillance, access control, intercom, and audio systems. They are enhanced by intelligent analytics applications and supported by high-quality training.

Axis has around 4,000 dedicated employees in over 50 countries and collaborates with technology and system integration partners worldwide to deliver customer solutions. Axis was founded in 1984, and the headquarters are in Lund, Sweden.