

Extreme CCTV Explosion-Protected Cameras Guarantee Safe, 24/7 Surveillance



BOSCH

Invented for life

Industry:

Industrial

End User:

Air Products & Chemicals

of Allentown, Pennsylvania serves customers in industrial, energy, technology and healthcare markets worldwide with a unique portfolio of atmospheric gases, process and specialty gases, performance materials, and equipment and services. The company has more than 22,000 employees around the world with operations in more than 40 countries. It supplies oxygen, nitrogen, argon, helium and hydrogen as well as certain medical and specialty gases to a wide variety of industrial and medical customers.

Business Objective:

Air Products & Chemicals required explosion-protected CCTV equipment for its Class I, Division 1 locations -- facilities where explosive gases or flammable vapors are present during normal operating conditions. Without explosion-protected equipment, sparks could ignite vapors, and Air Products & Chemicals needed to reduce or completely eliminate the risk of explosion at these locations. The company also needed to institute 24/7 surveillance, even under low light conditions.

Solution:

Bosch Extreme EX72N series Integrated Day Night cameras are certified for Class I, Division 1 performance, the most stringent safety standards for explosion-protection. The tough cameras offer protected performance even when explosive conditions are present during normal operation of Air Product & Chemical's critical infrastructure facilities.

The cameras' compact housings are also certified to CSA Type 4X for indoor and outdoor performance.

Extreme optics deliver outstanding video imaging. The EX72N series incorporates day-night mechanical filter CCDs and varifocal, auto-iris lenses for vivid daytime color and outstanding performance with integrated active-infrared illumination providing 60 feet of award-winning night vision under low light conditions - 0 lux.

The EX72N series delivers safety and performance while minimizing operational risks.



Class I, Division 1 locations have explosive gases present.

The camera series is helping to improve security for people and property at Air Products' facilities while complying with hazardous location safety regulations.

The cameras have reduced the explosive risk at the company's critical infrastructure sites -- ensuring a safer work environment and safer community.

Result:

"The explosion-protected IDN cameras from Bosch Extreme CCTV deliver excellent performance under light and dark conditions in an intrinsically safe housing," said system installer Christopher Bradlee, Director of Sales and Marketing for Unlimited Technology, Inc.

Installed by:

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