



# BUILD IN SAFETY AND SECURITY

Ease your worries with a comprehensive approach to plant safety

Monitoring safety and security risks are everyday responsibilities for plant operators. With so many things that can go wrong, having the right systems in place to quickly detect and respond to abnormal situations is critical to the safe operation of the plant. By integrating safety and security solutions into your plant, you will be prepared to accurately identify and address risks as they arise—**protecting people, the plant, and the environment.**

Safety and security incidents can be costly to the industry, plants, and people involved as evidenced by the data collected each year.

**\$10B**

what safety incidents cost the process industry worldwide each year.

**\$2.2B**

in claims are reported to insurance companies due to equipment damage every year.

**10M**

tons of toxic chemicals are released into the environment by industrial facilities worldwide.

**\$12M**

is lost due to fires or explosions, on average.

**2M+** tons are recognized carcinogens.

## WHAT COULD GO WRONG?

Use a combination of solutions to detect and address potential risks effectively.

⊗ Physical Intrusion

⊗ Toxic chemical release

⊗ Cyber Attack

⊗ Gas Leak

⊗ Fire Hazard

## THE BEST PROTECTION IS PREPARATION

Using independent yet interrelated layers of protection will help you quickly identify and respond to threats.



### Intruder Alert!

Monitor your plant with digital surveillance to prevent physical and cyber threats. Use controlled access systems that let you know what's happening in and around the plant to ensure the safety of your facilities and workers.



### It's Hot In Here

Place sensors at strategic locations in your plant to monitor for smoke, flame and flammable or toxic gases. Pair them with an alarm management system to alert your team of these conditions and respond quickly to mitigate damage.



### Keep A Lookout

Track your workers' exposure to hazards with 24/7 real-time monitoring through wireless personal gas detection. In the event a worker is exposed, your operator will be alerted to the condition and location, facilitating more effective incident response and rescue.



### Use a Fail Safe

Use a reliable safety shutdown system to monitor temperature, fluid flow, pressure and other parameters for unsafe conditions and automatically shutdown when appropriate to help prevent the unsafe conditions from causing damage. After mitigating the immediate problem, analyze the incident to prevent a repeat occurrence.

## PROTECT THE PLANT, PEOPLE, AND ENVIRONMENT

With our experience owning and operating 20+ Honeywell chemical plants worldwide, we've learned how to react to some of your biggest concerns.

**1 Be Aware**  
Respond quickly to abnormal situations.

**2 Make Informed Decisions**  
Know exactly what to address and where.

**3 Take Action**  
Deploy the right solution—automatically or manually.

**4 Prevent Future Incidents**  
Identify the root cause so it doesn't happen again.

Use Honeywell's Integrated Protective Solutions to help keep your plant, the environment, and the surrounding community safe. Check out Honeywell's suite of products, including OneWireless, Alarm Management, and Industrial Cyber Security Solutions at [www.hwll.co/ips](http://www.hwll.co/ips).

