



Fire Protection Solutions for the Oil & Gas Industry

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Protecting People & Property

WORMALD



Reduce the risks associated with highly flammable and explosive products

The oil & gas industry delivers significant benefits to the community, providing much of the energy needed for industrial, commercial and domestic life. Extracting, transporting and processing of energy presents significant risks. Fortunately, Wormald's fire detection and suppression systems reduce the risks associated with highly flammable and explosive products to acceptable levels.

State of the art fire systems are an essential component of effective Business Continuity Management, allowing operations to quickly recover from a fire incident. Wormald can design, supply and install a system to detect and suppress fire before it can get a hold.

Fire incidents in onshore and offshore oil and gas facilities need to be brought under control very quickly, before a minor mishap results in a major disaster. Large scale fire exposes workers and the community to extreme danger, and can be financially devastating when the cost of destroyed equipment and lost production is tallied.

High levels of fire protection are an integral part of responsible risk management strategies, and oil and gas facilities require the very best protection available. Wormald products are among the most advanced fire protection systems in the world, and protect many large oil and gas installations

throughout Australia and the Pacific. Wormald remains a world leader in fire control: developing and improving ways to detect and suppress fire.

Despite the considerable challenges of oil and gas facilities, Wormald has not yet found a site which cannot be adequately protected. Wormald's fire protection systems have grown with the industry and we continue to invest heavily in research and development to improve the effectiveness of fire detection, fire suppression, fire fighting and personal protection.

Good design is the heart of effective protection

Wormald's years of experience have given our fire system design engineers an excellent understanding of the nature of combustion and the way fire behaves with highly volatile fuel.

Along with our considerable design and consulting expertise, Wormald also provides expert installation and commissioning services. Our specialised project teams are capable of handling projects of any size. We understand in some cases you cannot interrupt your processes to install protection systems, so we have developed ways of working safely in hazardous environments. Combining new and old fire protection components is often a cost-effective way to protect expanded or changed operations.

*Fact:
Uncontrolled fire
can be devastating
– destroying
life, equipment
and businesses.
Wormald's systems
respond swiftly
and effectively to
extinguish small fires
before they take hold.*

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Proven fire detection and suppression technology

*Fact:
Effective fire control requires good design – the correct components in the correct location. Wormald's fire protection experts can recommend the most effective combination of sprinkler, waterspray, foam and gas systems.*

Wormald have a long history of designing and installing dependable and capable systems – systems to operate effectively the moment they are required to.

In an oil and gas installation a variety of heat, flame and smoke detectors are usually connected to one or more of Wormald's specialised MX series control panels. As data is continuously fed from key locations it is analysed by the panel. The inbuilt intelligence reduces false alarms while providing a robust and rapid analysis of fire events. It also keeps a comprehensive record of sensor readings for audit or analysis for improvement.

An oil or gas site, such as a tank farm, distribution centre or refinery, is often ringed by a system of sprinklers, hoses and hydrants to protect the general area. A system of deluge water sprays to cool adjacent tanks is also common to assist in containing a fire to a single location.

When volatile fuels burn, specialised foams are required to bring them under control. Wormald can recommend the appropriate foam for use on hydrocarbons or alcohol based fuels. Foam must be delivered quickly and to the correct location to bring fire under control. Wormald's foam deployment devices include sub surface injection systems, top side foam chambers and remote controlled foam cannons all designed to suppress the fire as quickly as possible.

Specialised fire gas holding systems, such as Sapphire™ and Inergen®, are available to protect control rooms and other areas where there is sensitive equipment.

A range of portable fire extinguishers and sophisticated personal protective equipment, including advanced breathing apparatus, completes the picture, providing a total system of fire readiness at world's best practice level.

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Protecting People & Property

Complete fire protection services

Training your people

Well-trained and capable people can substantially reduce the impact of any fire crisis. Wormald can train your staff to respond quickly and appropriately in an emergency. Our training courses cover basic portable fire extinguisher handling, fire warden training, evacuation procedures, confined space training and many other aspects of emergency response. Our training gives people both a theoretical understanding of fire dynamics as well as practical skills so they can act with confidence.

Wormald's complete fire protection services

Wormald's services cover the entire spectrum of fire protection. Our design, supply, install and maintenance capability is complemented by audit services to certify compliance with regulatory requirements. We can develop a plan to help you overcome any fire protection system shortcomings and to reduce your fire risk to acceptable levels.

Having the very best fire protection system is important, but keeping it ready to respond in an instant is essential. Wormald's testing and maintenance services give you confidence your fire protection is always on guard, ready to detect and extinguish any hint of fire.

Wormald has built an enviable reputation as a world leader in fire protection systems through our ability to provide dependable and effective systems for all types of facilities. Our systems have been chosen to protect technically challenging hazardous and sensitive environments as well as to provide cost effective fire detection and suppression for general areas. By combining design, supply, installation, commissioning and maintenance services Wormald can provide your business with fire protection appropriate to your risk profile and budget.

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