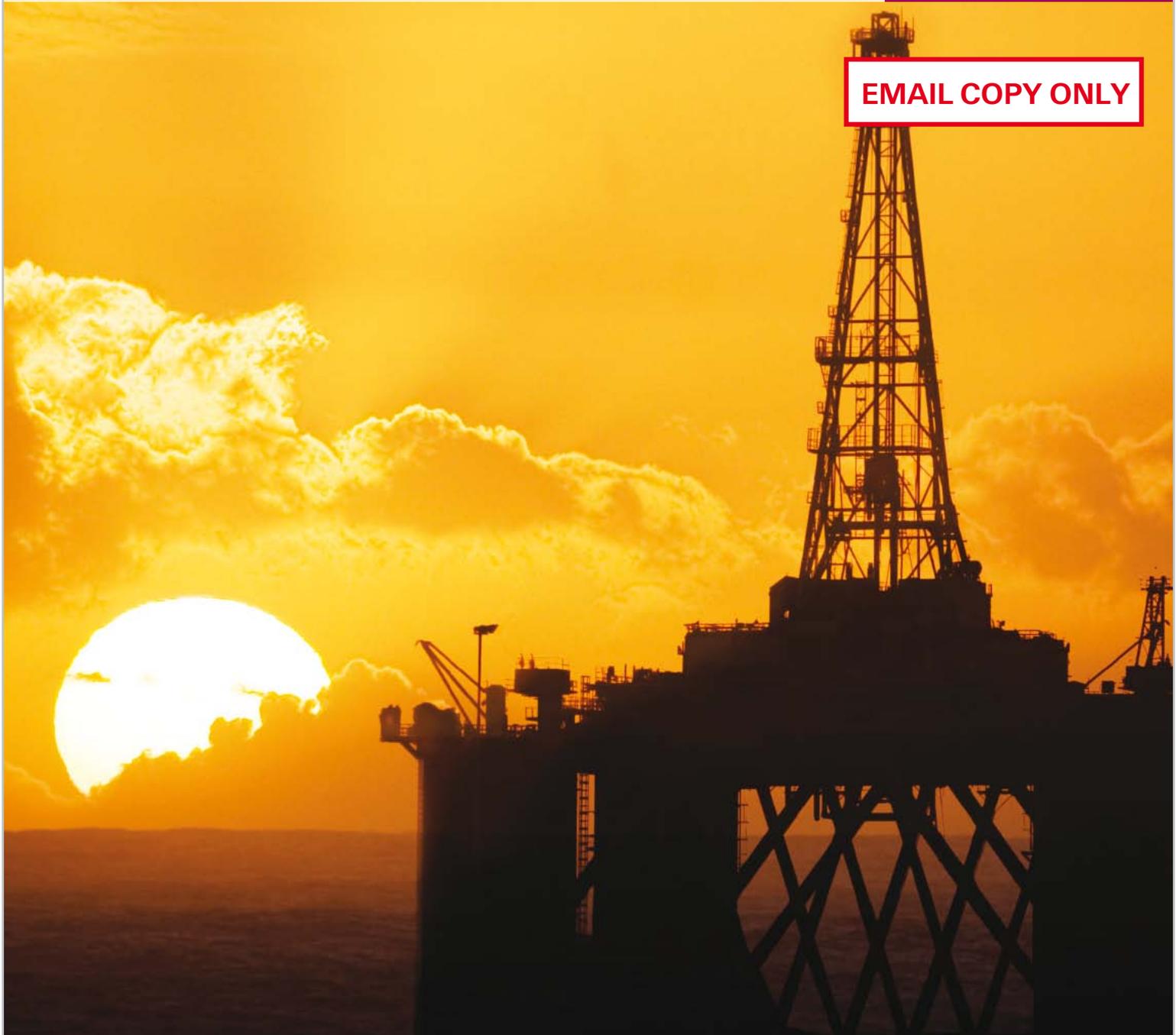


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Fire Protection Solutions for the Oil & Gas Industry

Protecting People & Property

WORMALD

Reduce the risks associated with highly flammable and explosive products

Protecting People and Property

The oil and gas industry delivers significant benefits to the community, providing much of the energy needed for industrial, commercial and domestic life. A large scale fire can expose the workers and the community to extreme danger, and can be financially devastating when the cost of destroyed equipment and lost production is tallied. 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.

Fortunately, Wormald is here to help with its fire detection and suppression systems that reduce the risks associated with highly flammable and explosive products to acceptable levels. 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.

Wormald's oil and gas solutions

Wormald's expertise includes; designing, installing, maintaining and upgrading fire protection systems as well as providing and consulting, technical support,

engineering advice, training and evacuation plans. We bring our extensive fire protection experience in complex, production focused operations, to your unique site. Our team can survey your entire facility and provide you with a complete fire protection solution, from detection and suppression systems to fire fighting equipment and training.

MX TECHNOLOGY®

In an oil and gas installation a variety of heat and smoke detectors can be 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.

Sprinkler Systems

A system of deluge water sprays to cool adjacent tanks is common to assist in containing a fire to a single location. Sprinklers in conjunction with a detection system can automatically detect a fire, transmit an alarm and control the fire. Swift response can be the difference between a minor incident and a major business shutdown.

Fact:

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

Protecting People & Property

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 fire suppression systems.*

Foam Systems

When volatile fuels burn, specialised foams can 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 smother the fire. 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. Our designers will analyse your fire risk and design a system configured to assist in delivering foam to the fire efficiently and in a controlled and directed manner, assisting in effectively combating fire.

Portable Fire Equipment

A vital part of Wormald's business is 'first aid' fire fighting equipment – appliances such as portable fire extinguishers, fire hose reels and fire blankets that form the first line of defence in a fire. Wormald offers a range of portable fire extinguishers to suit all classes of fire and fire risk.

Inergen®

The Inergen® gaseous suppression system is comprised of naturally occurring atmospheric gases, so it has no ill effects on people, the environment or

equipment. Inergen® is the fire suppression system of choice for areas that contain high value or mission critical assets.

SAPPHIRE™

The SAPPHIRE™ fire suppression system is a gaseous flooding system designed for use in areas that house sensitive equipment that cannot be shut down. The SAPPHIRE™ agent does not conduct electricity, is non-corrosive, and minimises the risk of damage to sensitive equipment. The result is less damage to property, lower repair costs, and less impact on lifestyle and business due to minimal repair time needed.

Emergency Breathing Apparatus

Wormald also provides a range of portable fire extinguishers and sophisticated personal protective equipment and advanced breathing apparatus to suit your needs, including breathing apparatus for protection from harmful gases. Wormald is one of the leading suppliers of emergency breathing apparatus and is widely recognised as a world leader of supplying emergency rescue and respiratory protection equipment. Our staff is trained to advise you on the most suitable equipment for your situation.

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. Plus, we are on call day and night throughout the year to assist with servicing and maintenance. Our technicians can deal with most problems on the spot in response to your first call.

Auditing service

Wormald can conduct a full audit on your facility to ensure its fire systems comply with all local and national regulatory requirements.

Wormald full range of specialised services

- > Risk Auditing
- > Fire Modelling
- > Integrated Environmental Design
- > Engineering
- > Compliance
- > Supply and Commission
- > Certification
- > Safety Audits
- > Fire System Maintenance
- > Fire Equipment
- > Fire Safety Training

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 **WORMALD**

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