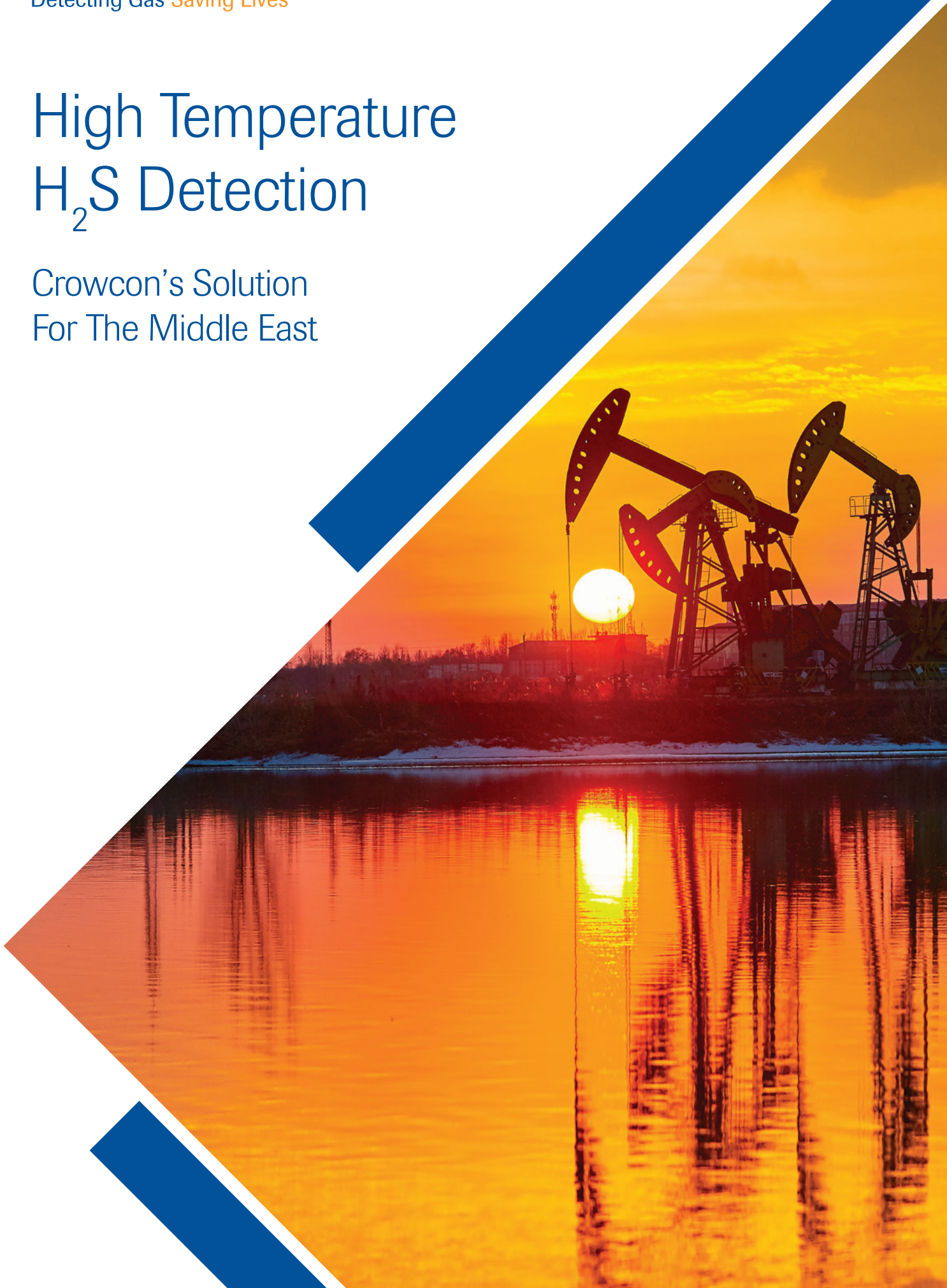


High Temperature H₂S Detection

Crowcon's Solution
For The Middle East



The H₂S Challenge

In the Middle East, hydrogen sulphide (H₂S) is a significant threat, especially in gas production, and increasingly in oil production, as extraction of heavier oil becomes more common.

The detection of and protection from H₂S has become a high-profile safety issue at well heads, yet the sensors typically used in gas detection systems at these locations are not sufficient to meet the needs of the environment.

The fluctuation in temperatures and humidity causes the performance of the two main types of detection sensors to falter and fail. These conditions cause Electrochemical Sensors to dry out while Metal Oxide Semiconductors (MOS) become affected by moisture and the acidic conditions of the sand.

The result is costly due to continuous sensor failure and downtime, and a significant gap in protection among the oil and gas fields of the Middle East against H₂S.



**Crowcon
has the answer –
the XgardIQ with
H₂S sensor!**

High Temperature H₂S and the XgardIQ

The solution for H₂S protection in hot Middle Eastern climates

The XgardIQ already provides significant safety benefits over conventional gas detectors. However, this is further enhanced with the inclusion of the H₂S sensor in the range, providing a high spec detector head for a high spec sensor.

No hot-work permit required

Sensor recalibration on conventional fixed-point gas detectors usually requires physical disassembly of the transmitter. XgardIQ sensor modules can be quickly and simply “hot swapped” without a hot-work permit, either for replacement with a new pre-calibrated replacement module, or for temporary removal to a safe area for calibration.

Avoiding the need for a hot work permit can reduce delays in your production by hours, or even days.

Remote sensor assembly

XgardIQ detector optional accessories now feature a remote sensor assembly, allowing the gas sensor to be located where gas leaks are most likely to be detected earliest – areas like air ducts, tanks, channels and storage locations.

Meanwhile, the XgardIQ transmitter with its display screen and push-button controls, is located where it's easy and safe to access – up to 15m away.

This remote sensor assembly not only allows you to further improve your site safety, but also reduces time spent conducting routine maintenance.

Compatible for a variety of gases

XgardIQ is compatible with sensor modules for a variety of gases, including flammable, toxic and oxygen. This means all of the gas hazard on-site can be detected using the same type of detector.

It also auto-configures to the appropriate gas type, range, unit, and alarm levels – the details of which are stored in the smart sensor module. Along with its bright OLED display, non-intrusive calibration and simple functionality, XgardIQ helps minimize a site's training needs.



Product - XgardIQ High Temperature H₂S

Sensor module part number	XIQ-HT (0-100ppm)
Temperature range	-30°C to +70°C
Sensor Lifetime (Minimum)	12 months shelf life + 2 year operation
T90 response	<40 seconds
Stabilisation time	<120 seconds
Calibration interval	Calibration every 12 months, bump test every 6 months

Crowcon's new high temperature H₂S sensor is the answer.

Contact us to find out more

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 **CROWCON**
Detecting Gas **Saving Lives**