



**shawcity**

Life-saving solutions

# Fixed Gas Detection

[shawcity.co.uk/fixed-gas](http://shawcity.co.uk/fixed-gas)





## INTRODUCTION



One of the original pioneers in UK gas detection technology, Shawcity has worked alongside the world's most innovative gas safety manufacturers for over 45 years. We offer true partnership as an impartial supplier to thousands of customers across the UK and Ireland.

Specialists in detection, monitoring and measuring solutions, our consultative approach means we are widely regarded as the industry 'go-to' for health & safety, occupational hygiene and environmental monitoring expertise in the UK.

Our customer base ranges from SMEs through to international organisations and household names across many industries in the private and public sectors.

Shawcity's overall range of instrumentation broadly splits into the following key areas: Gas Detection, Sound, Noise, Vibration, Air Quality, Dust, Fit Testing, Water Testing and Heat Stress.



# Applications

Fixed gas detection systems are permanent installations designed to provide continuous monitoring of gas levels in a wide range of environments, from commercial premises to heavy industrial applications. These can include:

- Automotive
- Aviation
- Battery Manufacturing
- Boiler houses
- Bottling Plant
- Cellular Systems
- Chemical Manufacturing
- Electrical Engineering
- Energy Production
- Environmental/Geotec
- Extreme photonics
- Healthcare
- Heating, Ventilation & Air Conditioning (HVAC)
- Ink Manufacturing
- Laboratories
- Motorsport
- Oil and Gas
- Spray Booths
- Pharmaceuticals
- Printing/Packaging
- Waste Services





# Design, install, commission, sign-off & handover

Shawcity are able to provide a complete service, from design to handover, as well as service all types of gas detection systems. We pride ourselves in meeting all areas of a client's system requirements.

There are many aspects to consider when installing a fixed gas detection system. The best place to start is a comprehensive site survey to establish exactly what you need and which gases you need to detect or monitor.

Our experienced engineers will install and commission your system to the highest standard. We will also ensure you receive a comprehensive handover and your team are confident in the management of your system.

We provide you with a customised Operations and Maintenance Manual which includes a system manual and maintenance documents.



INSTALLATION



SUPPORT



MAINTENANCE



## Our fixed gas detection systems

Shawcity provides a flexible range of fixed-point gas detection systems. We survey, design, install, commission and service standard and bespoke systems to suit every requirement.

Working closely with world-leading manufacturers, we ensure we have the widest and most comprehensive offer of independent options for our customers.

### THE BENEFITS OF USING SHAWCITY

- ✓ Free site visit - Shawcity will carry out a survey of your existing system (applying gas if necessary) to ensure it is fully operational and performing as required.
- ✓ Service plan options available including site visit reports, call-outs, maintenance visits, unlimited remote support, parts discounts, preferential labour rates and breakdown call-outs.
- ✓ Tailored to you. Fixed systems are individually designed to meet specific needs and requirements.
- ✓ Our engineers are all CSCS and SSSTS certified, ready to work on all sites.
- ✓ ISO 9001:2015 certified. ISO 45001 certified. SafeContractor accredited.





# Our partner manufacturers

Shawcity partners world-leading manufacturers to ensure we have the most comprehensive independent offer for our customers. We have the ability to blend different technologies and systems seamlessly.



## ANALOX

Analox Group are world leaders in the research, development, manufacture and support of gas sensing products and systems. Since the company began in 1981, Analox has been designing and supplying innovative solutions worldwide to solve a wide variety of gas sensing challenges.



## CROWCON

Detecting Gas Saving Lives

Crowcon is a specialist in the development and manufacture of economical, reliable and innovative gas detection equipment.



Established in 1970, Crowcon has grown into one of the world's leading names in this field, known for designing excellent instruments for flammable and toxic gas detection.

## GDS TECHNOLOGIES

For over 30 years, GDS Technologies Ltd has led the way in the design, development and manufacture of fixed gas detection equipment in the UK.

The company's diverse product range and ability to manufacture bespoke project works, offers solutions in a broad range of sectors and markets including hazardous area applications.



## Honeywell

A global name, Honeywell manufactures a full and comprehensive range of gas detection products dedicated to all types of industrial facilities, from smaller boiler rooms to large petrochemical plants and oil refineries.



## ION

Ion Science has over 25 years' experience in the design, manufacture and supply of gas sensors and gas detection instruments for a wide range of industries and applications worldwide.

Experts in photoionisation detection (PID) technology and VOC detection, Ion Science manufacture and supply more PID sensors than any other gas detection company in the world.



## sensitron

The Italian manufacturer, founded in 1988, has over 35 years of gas detection experience and knowledge.



Recognised in both national and international markets, Sensitron specialise in marine, industrial, building and automotive gas sensing.

## UNIPHOS

Uniphos Envirotronic is one of the largest manufacturers of gas detection devices in India. Specialising in both portable and fixed gas detection, Uniphos provides monitoring solutions for large chemical and petro-chemical industries and oil refineries.

Uniphos has developed phosphine detection devices and has extended this technology to portable and fixed gas detection products.





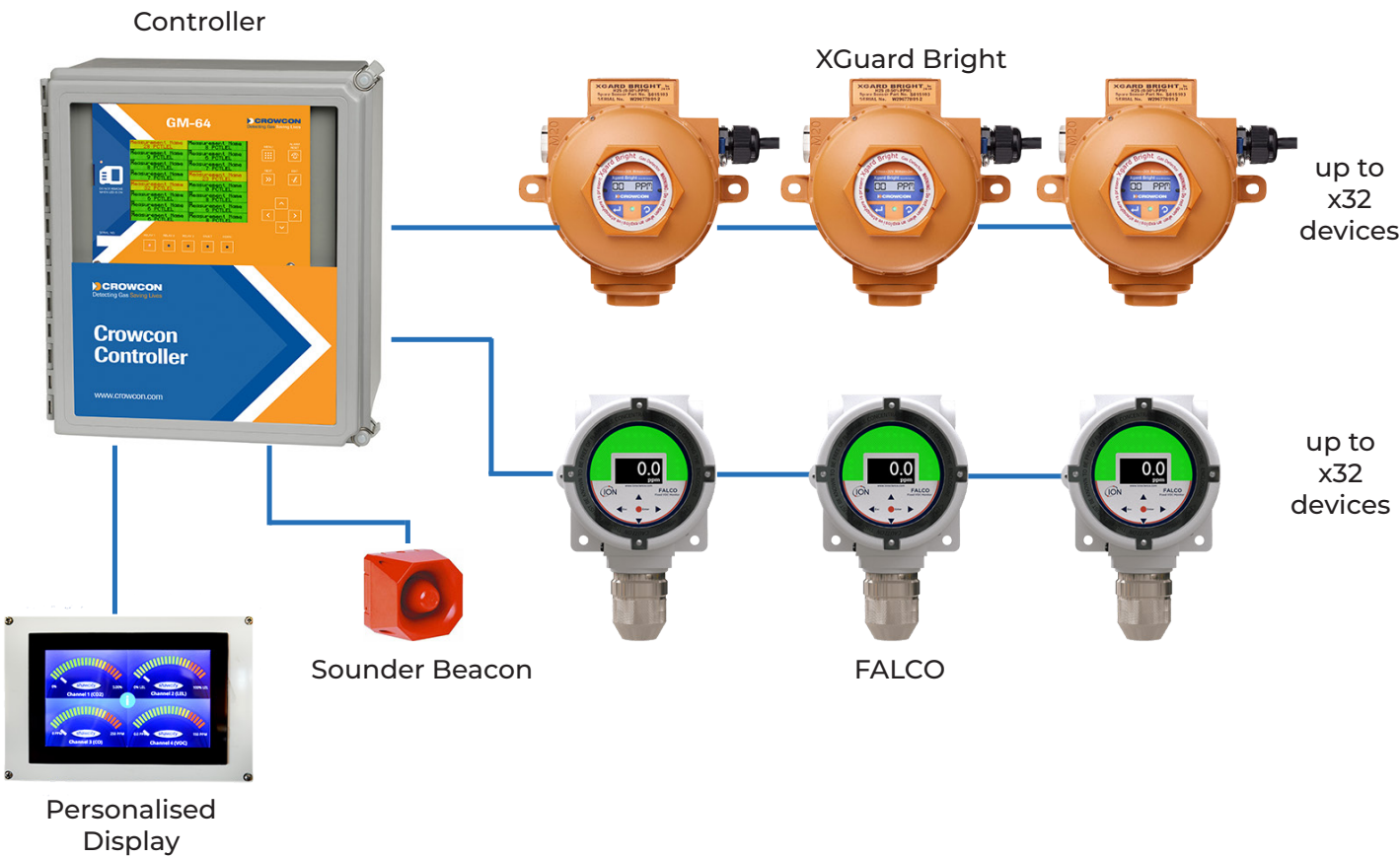
# Bespoke Fixed Systems

The components of a Fixed Gas System vary depending on individual requirements. However, a typical system will include the following: Control Panel, Gas-Specific Sensors, Alarms and Repeater Displays.

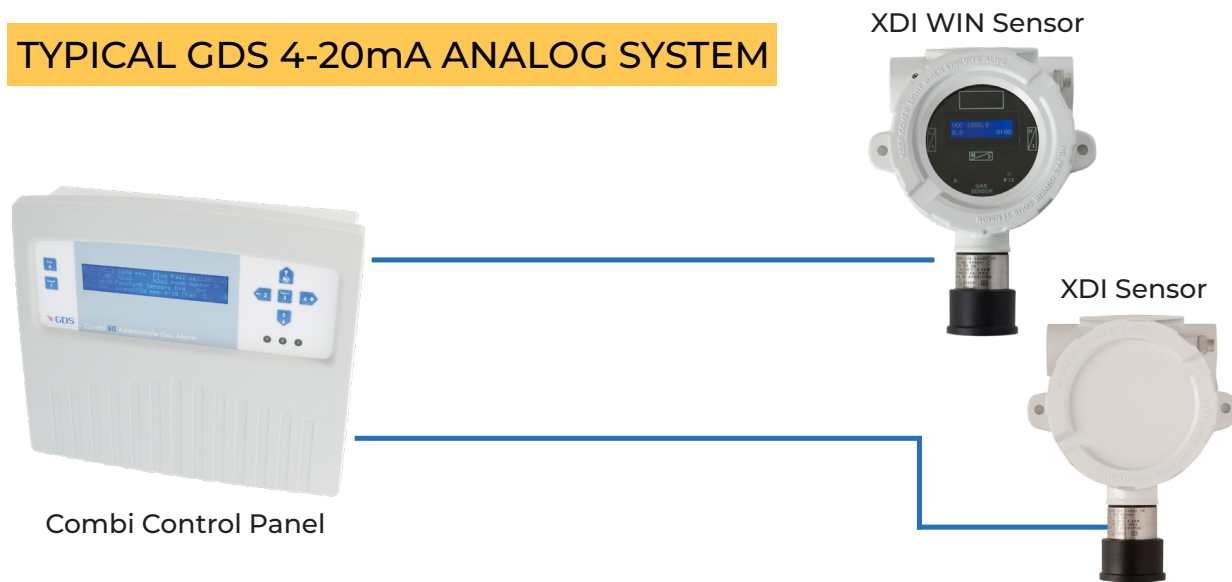
We can also provide sampling systems and addressable controllers, as well as integration into existing safety systems.

Here are some examples of how components are used to create a fixed gas system.

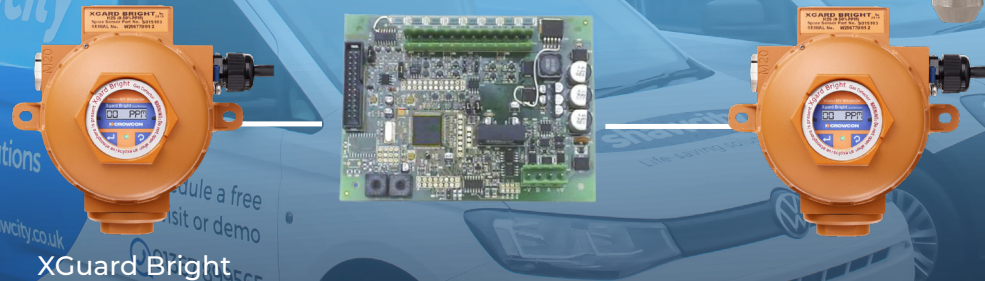
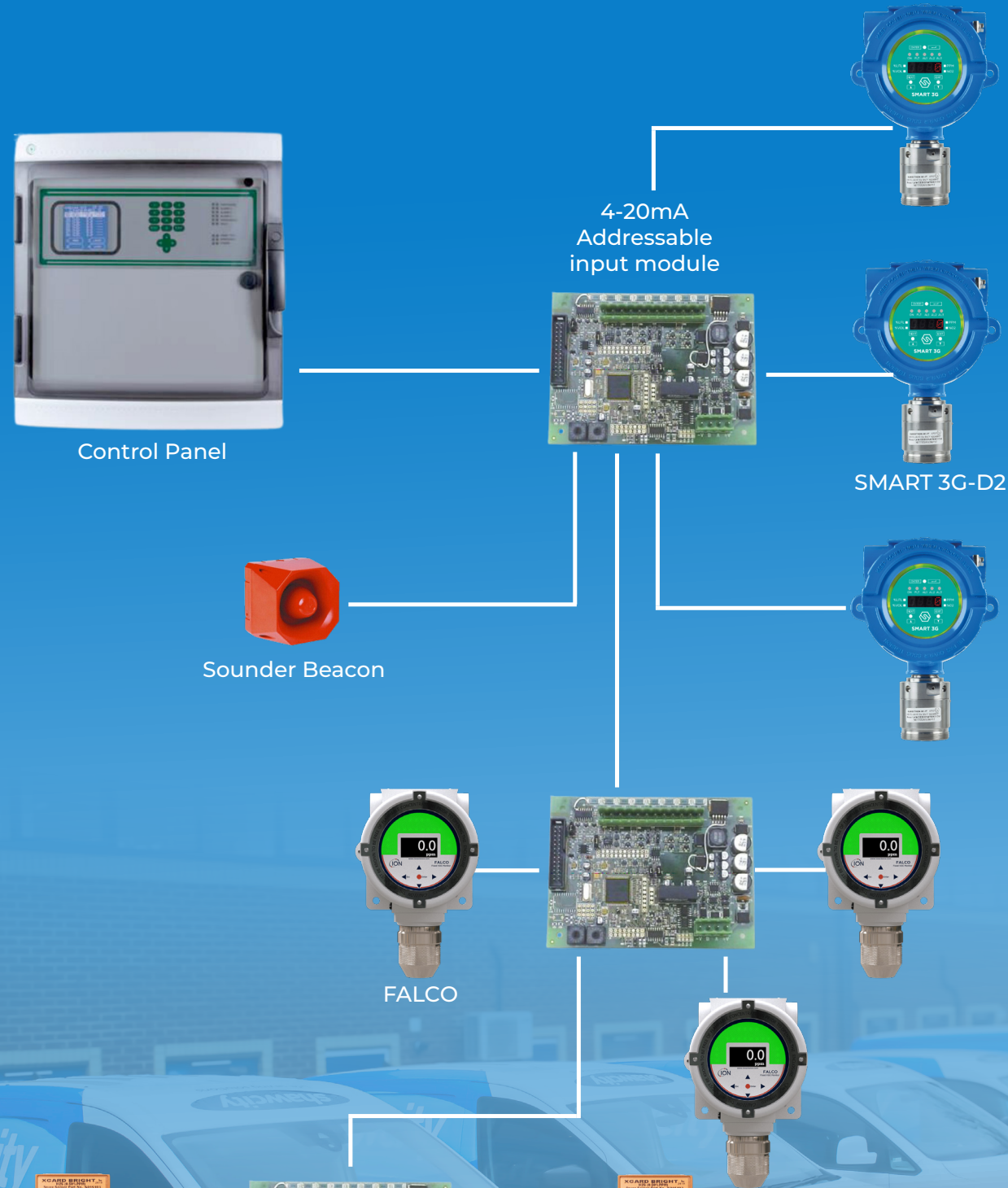
## TYPICAL CROWCON DIGITAL SYSTEM



## TYPICAL GDS 4-20mA ANALOG SYSTEM



## TYPICAL SENSITRON TOPOLOGY





# Service Plans

Following installation, ongoing servicing and maintenance of any fixed system is essential.

It is usually recommended that a fixed system should be serviced and calibrated every six months, but service intervals will depend on the types of sensors installed.



## FREE SITE VISITS

Service Plans offer better value for money and include parts discounts, emergency call-outs and telephone support in case of emergencies.



## 5 YEARS

Lock-in a fixed price for up to five years when choosing a Service Plan.

	Pay As You Go	Bronze	<b>MOST POPULAR</b> Silver	Gold
				
Detailed site visit reports	Yes	Yes	Yes	Yes
Call-out fee	Yes	Preferential Labour Rates	Preferential Labour Rates	Preferential Labour Rates
Parts Discount	-	5%	7.5%	10%
Preventive Maintenance Visits <sup>1</sup>	-	2	2	2
Telephone & Email Support	-	Unlimited	Unlimited	Unlimited
Breakdown Call-out Days <sup>2</sup>	-	-	2	4
Guaranteed Working Day Response Time	-	7	5	3
<b>OPTIONAL PLUS PACKAGE <sup>3</sup></b>		 Sensor management & replacements	 Sensor management & replacements	 Sensor management & replacements

Does not cover obsolescence, vandalism, accidental damage, poor workmanship (if not installed by Shawcity) or force majeure.

<sup>1</sup> Preventive maintenance visits (PMVs) include an operational check of the system and a re-calibration of sensors. PMVs will be carried out every six months for the duration of the Service Agreement. Dates will be agreed with clients on receipt of order.

<sup>2</sup> Including cost of labour, travel & accommodation. Inclusive breakdown callouts expire after each 12-month period and cannot be rolled over to the next 12 months.

<sup>3</sup> Optional extra: Spread the cost of sensor management and replacements when enrolling onto a Bronze, Silver or Gold service plan.

Pricing is structured for each individual system.







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