



## Gas Detection Monitors and Accessories

**Subject:** Procurement Report  
**Date:** 19<sup>th</sup> March 2018  
**Reference:** HWFRS/41 (C002461)

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### 1. Background

Gas monitoring is essential to the safety of Firefighters, how to detect, identify and monitor harmful substances is key to determine the levels of Personal Protective Equipment ( PPE) and risk to Firefighters, other Emergency Services and the public.

Hereford & Worcester Fire Authority (HWFRS) frequently operate in a range of hostile environments, which place requirements on devices for ruggedisation and usability which are not encountered for consumer devices.

Some specific examples of these requirements are as follows:

- High levels of use requiring ingress protection and resistance to physical damage.
- The ability to use the devices while wearing gloves.
- Extended battery life, to allow high levels of device usage over a lengthy shift.
- Hydrogen Cyanide (HCN) detection, where required, following research <http://www.waterburyfire.org/Docs/providence.pdf>

### 2. Service Review

The Service currently has 4 channel and 1 channel monitors and are looking to replace all 75 units with 5 channel stand alone monitors. They would also be required to have the following functionality/accessories available.

- In appliance charging capability
- Equipment for in house calibration
- Calibration gas
- Clips for tunics
- Self testing function (bump test)
- Attachable probes for small space monitoring
- Back lit digital display
- Attachment for lowering unit into confined spaces using FRS lines.

In October 2017 West Midlands Fire and Rescue Service started consultations with Fire and Rescue Services, NHS HART Teams and the Police to look for a mechanism for the three Emergency Services to purchase gas monitors for operational staff to use at a range of incidents and training activities.

To ensure that the gas monitors would be fit for purpose a collaborative standardised specification was developed and produced by research gathered from the Fire and Rescue Services, Ambulance and Police Services; taking in to account

- Multi sensor monitors
- Single sensor monitors
- Replacement parts
- Standardised training and materials
- Interoperability
- Aggregated Demand

Hereford & Worcester requirements were feed into this by the Equipment Manager. **Appendix 1-** Specification.

### 3. Procurement

West Midlands Fire and Rescue Service awarded a single supplier framework agreement for the supply of Gas Detection Monitors and associated products.

The framework agreement went live from 1 March 2018 for a period of four years; prices are fixed for the first two years of the framework. The Framework Agreement is based on a single Lot awarded to one supplier enabling direct award.

The Authority will benefit from using this Framework as it is: quick and easy to use, no need for further competition necessary, no sign up fee, reduced prices, standardisation of specifications and clarity of product performance.

#### 1. Evaluation Stage

Based on the National Standardised Specification, bids were evaluated based upon the following criteria.

Award Criteria	Weightings
Quality	45%
Social Value	5%
Price	50%

8 bids were received and evaluated by:-

1. Devon & Somerset Fire and Rescue Service
2. Kent Fire and Rescue Service
3. Hampshire Fire and Rescue Service
4. West Midlands Fire and Rescue Service
5. Police National CBRN Centre
6. National Ambulance Resilience Unit

Samples were also requested from all bidders.

#### 4. Recommended Decision

Based on the national evaluation Life Safety Distribution GmbH (Honeywell Analytics Ltd) was awarded the contract.

HWFRS placed a one off purchase for Gas Detection Monitors on 19<sup>th</sup> March 2018.

#### 5. Savings Achieved

- Higher level of discount offered due to collaborative approach








- Free of charge user and technical level training, enabling each Service to carry out own calibration, saving £45 each monitor every 6 months.
- Competitive fixed pricing
- No supplement for small orders
- Standardised specification
- Reduced recourses and time required to access goods\*
- No requirement to reopen competition
- Supplier Management- Performance monitored by WMFS
- Greater interoperability between organisations

*\*Allocated budget was £73,000 Actual price was £46,038 Calculations of the savings £73,000-£46,038 =£26,962*

*Own procurement cost process estimated at 10 days worth of effort at £150 per day. Use of framework resulted in 4 days at £150 per day therefore a 'non cashable' savings of £900 can be demonstrated (saved 6 days at £150 per day= £900)*

## 6. Full Audit trail (including Specification/Scoring matrix)

<http://sharepoint1/sites/Procurement/Contracts/OperationalEquipment/HWFRS41%20Gas%20Monitors/Forms/AllItems.aspx>

<p><b>Appendix 1- Framework Tender Documents</b></p>	<div data-bbox="901 936 965 996"></div> <p data-bbox="831 999 1038 1055">Appendix 1 Tender Evaluation Questionn</p> <div data-bbox="901 1081 965 1142"></div> <p data-bbox="839 1144 1031 1200">Appendix 2- Pricing Schedule.doc</p> <div data-bbox="901 1227 965 1288"></div> <p data-bbox="852 1290 1018 1346">Appendix 3 - Declarations.pdf</p> <div data-bbox="901 1373 965 1433"></div> <p data-bbox="831 1435 1038 1491">Appendix 4 - Framework Agreeemer</p> <div data-bbox="901 1518 965 1579"></div> <p data-bbox="831 1581 1038 1637">Appendix 5 - Gas Monitor Specification.</p> <div data-bbox="901 1664 965 1724"></div> <p data-bbox="831 1727 1038 1783">Appendix 6 - Contracting Authoritk</p> <div data-bbox="901 1809 965 1870"></div> <p data-bbox="831 1872 1038 1928">ITT - Gas Monitor Framework Agreeemer</p>
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