



FACTSHEET:

FIRE SUPPRESSION CYLINDER MONITORING

WHAT IS IT?

Fire Suppression Cylinder Monitoring (FSCM) is a flexible monitoring system adaptable to most hydrocarbon or inert gas systems.

It continues the trend within the Fire & Safety industry for wireless solutions to be recognised as being a cost effective, reliable and flexible method of communicating critical asset status.

WHY DO YOU NEED IT?

- FSCM is better way to meet your obligations for Site Operation reporting and Health & Safety compliance.
- A flexible, all-purpose solution that can be used to monitor a wide range of products including valves, sensors, gas detectors, fire alarm panels and more.
- Replaces the need for routine manual checking of equipment.
- Any device failures can be quickly pinpointed to specific locations.
- Can be utilised with FM 3135 valve monitoring devices, with up to 1km line-of-site communications.
- Receive instant alert notifications locally and remotely as required.

HOW IT WORKS

- Gas cylinder pressure is monitored for each cylinder or group of cylinders.
- Advanced battery-operated field nodes can not only monitor cylinder pressure loss, but also other critical outputs including:
 - Fire suppression gas control panel outputs
 - Room temperature
 - Air conditioner status
 - UPS condition
 - Security.
- The wireless node uses the 2.4 GHz frequency range to connect to the Delta Integrated site controller. The site controller enables connection to either a local fire alarm panel via the Fire Panel Interface (FPI) or a direct internet connection by either the local internet or Cellule modem.
- Two exclusive software applications are available: the simple *Webserver* or the comprehensive *Marchwood in Motion* which both provide real time information on the system condition.



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FEATURES

- Cylinder nodes are 'FM' listed, battery (AA) operated and come with both switched & analogue inputs for complete system flexibility.
- 2.4ghz Mesh 'self healing' network offers pathway security and line-of-sight up to 1km
- Delta Integrated site controller is a robust field unit complete with a 24vdc battery supply to AS 7240. For added security, this unit also includes an optional Cellule modem for locations that do not have internet access or client preferred.
- Fire Panel Interface (FIP) is designed to connect to fire industry standard fire panels.
- Two software options are available:
 - *Marchwood in Motion* is exclusive to Delta Integrated. Can be opened in any modern browser and comes with a companion phone app for 'on the move' notifications and updates. An all-inclusive package for monitoring, management and maintenance of single or multiple sites.
 - *Webserver* is a customisable front-end solution perfect for simple information based monitoring systems. It requires no additional hardware or server costs to host as it is stored and run locally from a site controller.

