

Gas Detection.



# HYBRID SYSTEM

Customized solutions for gas warning systems.

O<sub>2</sub>

Oxygen

CH<sub>4</sub>

Methane

CO

Carbon monoxide

CO<sub>2</sub>

Carbon dioxide

NO<sub>2</sub>

Nitrogen dioxide

H<sub>2</sub>

Hydrogen



# Hybrid System

For innovative and dynamic solutions.

The MSR-Electronic DGC controller offers a multifunctional system that integrates both analogue and digital communication systems.

It includes centrally and field distributed relays and analogue inputs, a battery back-up function and options for cloud connectivity.

## APPLICATIONS

The DGC system is capable of running up to eight digital lines for addressable gas detectors. These lines can be distributed throughout a building minimising total system cabling, while maintaining high system integrity.

The use of remotely mounted expansion modules enables four additional system relays, and four additional analogue inputs to be distributed within the building to suit the system requirements. This again helps minimise total system cabling by ensuring the relays are located as close as possible to where activation is needed.

Remotely mounted analogue inputs enable standard 4-20 mA devices to be connected into the system. This facilitates analogue over digital communication, minimises traditionally long

analogue cable runs, and increases the flexibility of instrument deployment. Relays within gas detectors in the system can be controlled locally or centrally, giving maximum flexibility of ancillary equipment activation.

Zoning and voting features available within the DGC system allows for the creation of detector groups capable of carrying out alarm and relay activation based on a voting structure of gas measurements. Full remote monitoring of the status and history of the gas detection system is made possible by the PGCC, Polygard Cloud Control system. Allowing for offsite review of system status, alarm conditions, and gas detector condition.

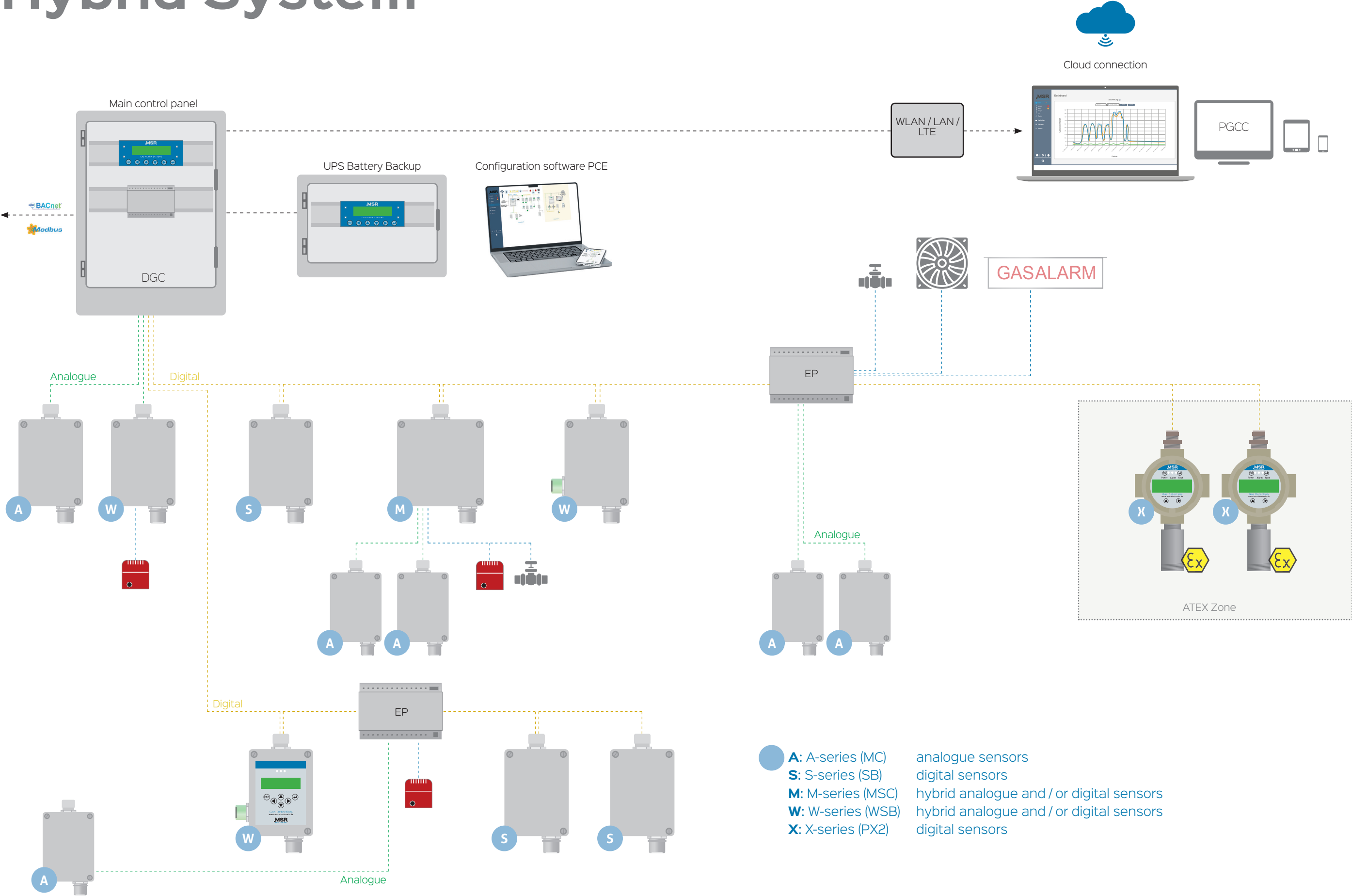


DGC controller for hybrid analogue and / or digital sensors

## BENEFITS

- Centralized control via the DGC control panel
- Easy system setup with PCE software
- Battery backup options
- Cloud connectivity solutions for remote monitoring of the status of the gas detection system
- Addressable gas detection network operated via digital communication channels
- Capacity for 128 gas detectors, 96 digital and/or 32 analogue (4-20 mA) detectors
- Fully configurable system relays, centrally or decentrally mounted in the system
- Analogue input modules centralized or decentralized within the system
- Compatible with A, S, W, M and X series gas detectors
- Zone and voting function
- SIL2-compliant
- Multiple external communication options for integration with building management systems and other third-party devices available

# Hybrid System





Global Experts in Gas Detection.

With a worldwide partner network and its own branches around the globe.

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AUSTRIA

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