

PERFECT SOLUTIONS FOR GAS ALARM SYSTEMS



# Gas Warning Systems for Maritime



**Reliable and permanent protection  
against gas leaks on board**

- **More than required by all national standards**
- **Exchangeable sensor X-Change**
- **Significantly lower maintenance costs**
- **Better planning with overall lower costs**
- **Integration into the ship system**





# PolyMarine<sup>®</sup>2

## Commercial Shipping

### Gas Alarm Systems for Commercial Shipping

The vessels are designed and built to keep water out successfully. However, this also makes them ideal storage for gases and vapors. Depending on the type of Maritime Vessel and its cargo, dangerous gas concentrations can form in the atmosphere at any time.

Most of the type class vessels are obliged to install fixed gas detection systems according to regulations. For others, this is a recommendation. Nevertheless, all of them has one feature the same: Duty of care to provide a safe work environment and an obligation to ensure that the crew are safe and can carry out their tasks safely. In addition, reliable gas detection system by MSR-Electronic will not only protect the crew's lives, but it can preserve the ship's cargo and even the ship itself.

### LPG - The Marine Alternative Fuel

The use of LPG as an engine fuel is one of the largest and fastest ones growing globally. The properties of LPG and namely its low emissions and its virtually zero particulate emissions can have an immediate positive impact on air quality. An important property of LPG is that when in vapor form, it is heavier than air and when it leaks it always falls to the ground. If an LPG leak in a vessel is left unnoticed, it will find its way to the engine room floor or bilge. Reliable and high-performance fixed-point LPG gas detectors by MSR-Electronic will make this marine future more secure.

### Offshore

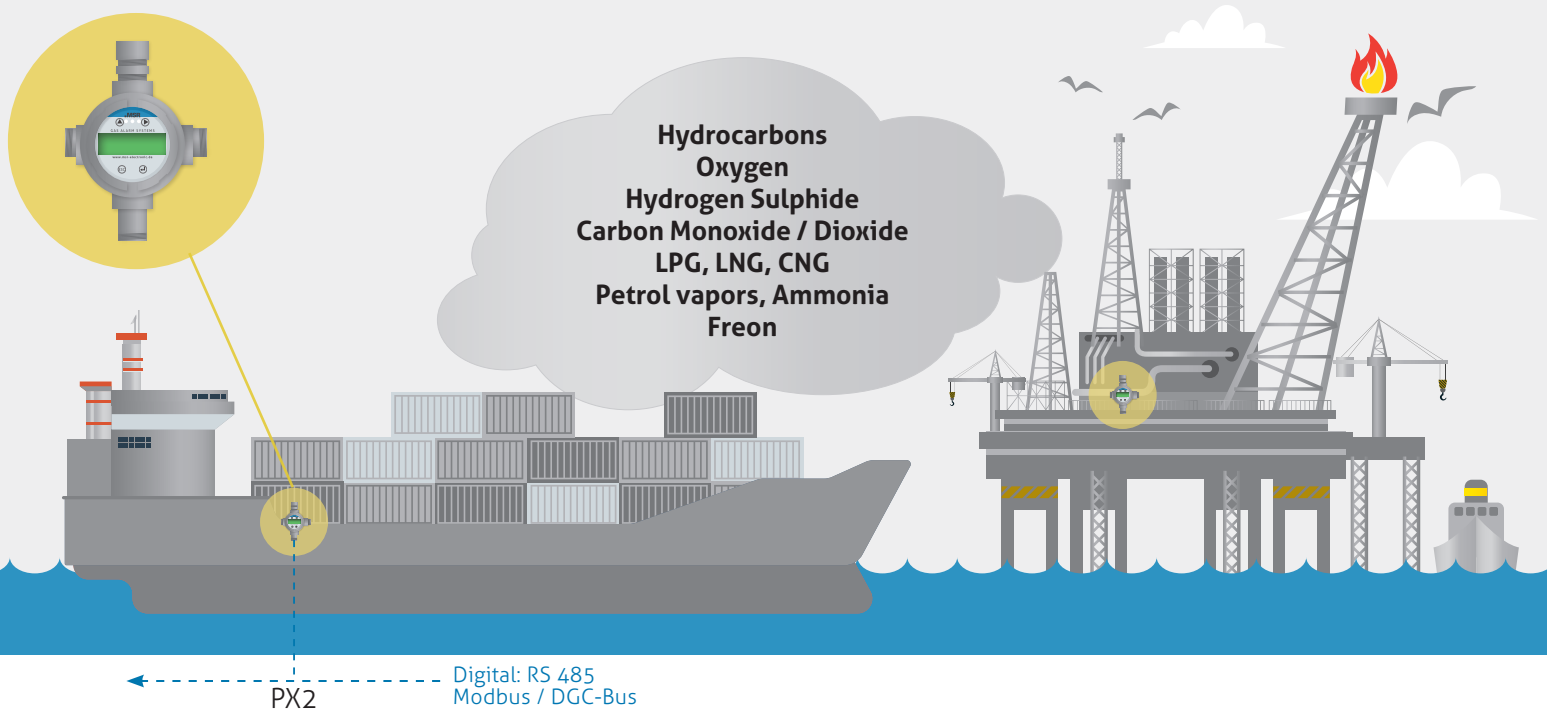
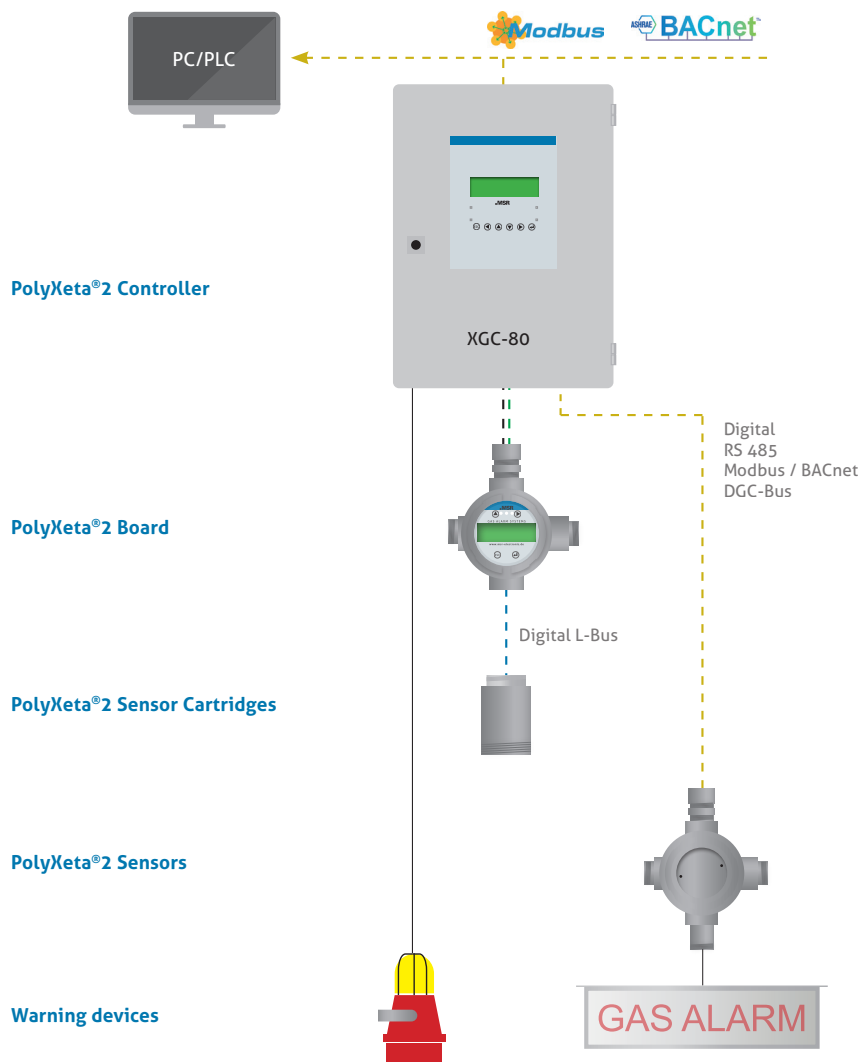
In the offshore installations, the most significant fire and explosion risk reduction are gas detection system, since they will give the earliest warning of hazardous situations.

MSR-Electronic develops and produces reliable fixed-point gas detectors that permanently monitor the ambient air for Methane, Propane and Hydrocarbons releases and thereby protect human life and values.

### Potential gas hazards in marine applications:

- Liquid gas, chemicals, and other fossil fuels are a permanent hidden risk of explosion.
- Hazards from the invisible and often odorless toxic gases such as Carbon Monoxide from the exhaust and Hydrogen Sulphide from the decomposition of organic compounds.
- The danger of suffocation from lack of Oxygen using the inerting systems or due to the process of oxidation.

## System Overview PolyXeta®2



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Pending:



For technical data please refer to the corresponding data sheets.

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