

PERFECT SOLUTIONS FOR GAS ALARM SYSTEMS



# Safe Biogas Plants



## Fixed Gas Warning Systems

for the safe monitoring of  
flammable and toxic gases



# Biogas Plants

Safe protection against  $\text{CH}_4$  /  $\text{H}_2\text{S}$  /  $\text{CO}_2$  /  $\text{O}_2$

When operating biogas plants, personal protection and plant safety are of crucial importance in addition to process optimization. With the gas warning products from MSR-Electronic you work preventively against

dangers. Gas sensors, controllers and warning devices are used to measure combustible and toxic gases as well as oxygen. Leakages are thus localized at an early stage.



## GAS HAZARDS

Methane can react explosively with air. This represents a high hazard potential for the operator of biogas plants. An explosive mixture exists when the concentration of methane in the air is between 4.4 and 16.5% by volume. Monitoring in pump rooms can protect people from dangerous leaks. Continuous measurement in the double diaphragm (biogas trapped air hood) ensures leak tightness and thus freedom from loss.



## BENEFITS

- SIL2 certified PolyXeta®2 sensor for ATEX zones 1 and 2
- Metrological testing of sensors and devices according to EN 60079-29-1 for combustible gases / EN 50104 for oxygen
- Solution for individual requirements, simple mounting by means of mounting bracket
- Cost-reduced calibration through sensor head exchange on site (X-Change technology)
- Easy connection to existing systems (analog, Modbus)
- 2 potential-free relays, e.g. to control warning devices



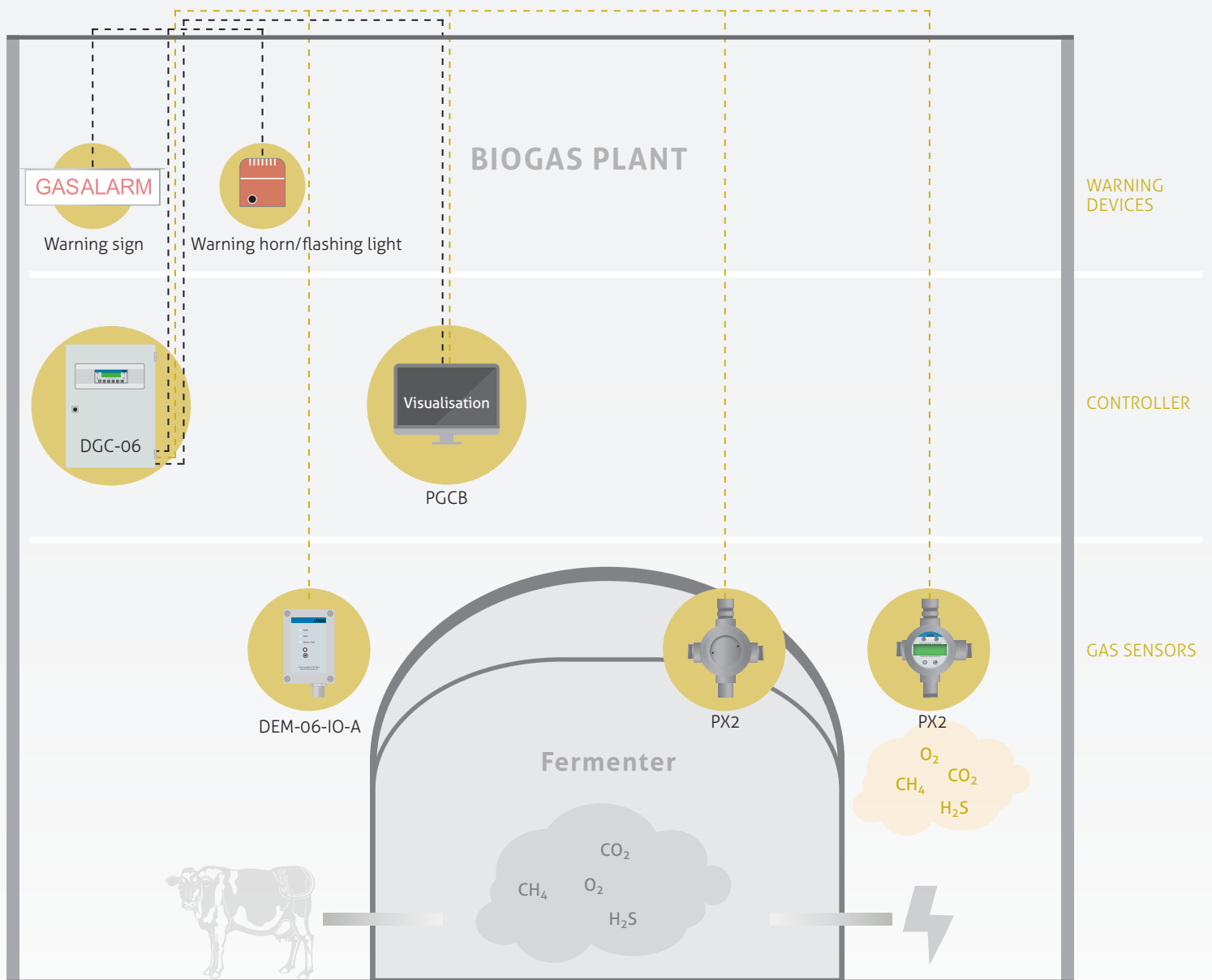
PolyXeta®2 Sensors SX1





## HOW-TO VIDEO

Watch the commissioning of the PolyXeta®2 in the video here.



## MSRSHOP24

Configure your product here: [www.msr-24.com](http://www.msr-24.com)

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