

Gas Detection.



Biogas Plants

Reliable Gas Detection from CH₄ / H₂S / CO₂ / O₂



Biogas Plants

Safety against CH₄ / H₂S / CO₂ / O₂

When operating biogas plants, personal protection and plant safety are of crucial importance in addition to process optimization. With the gas detection 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.

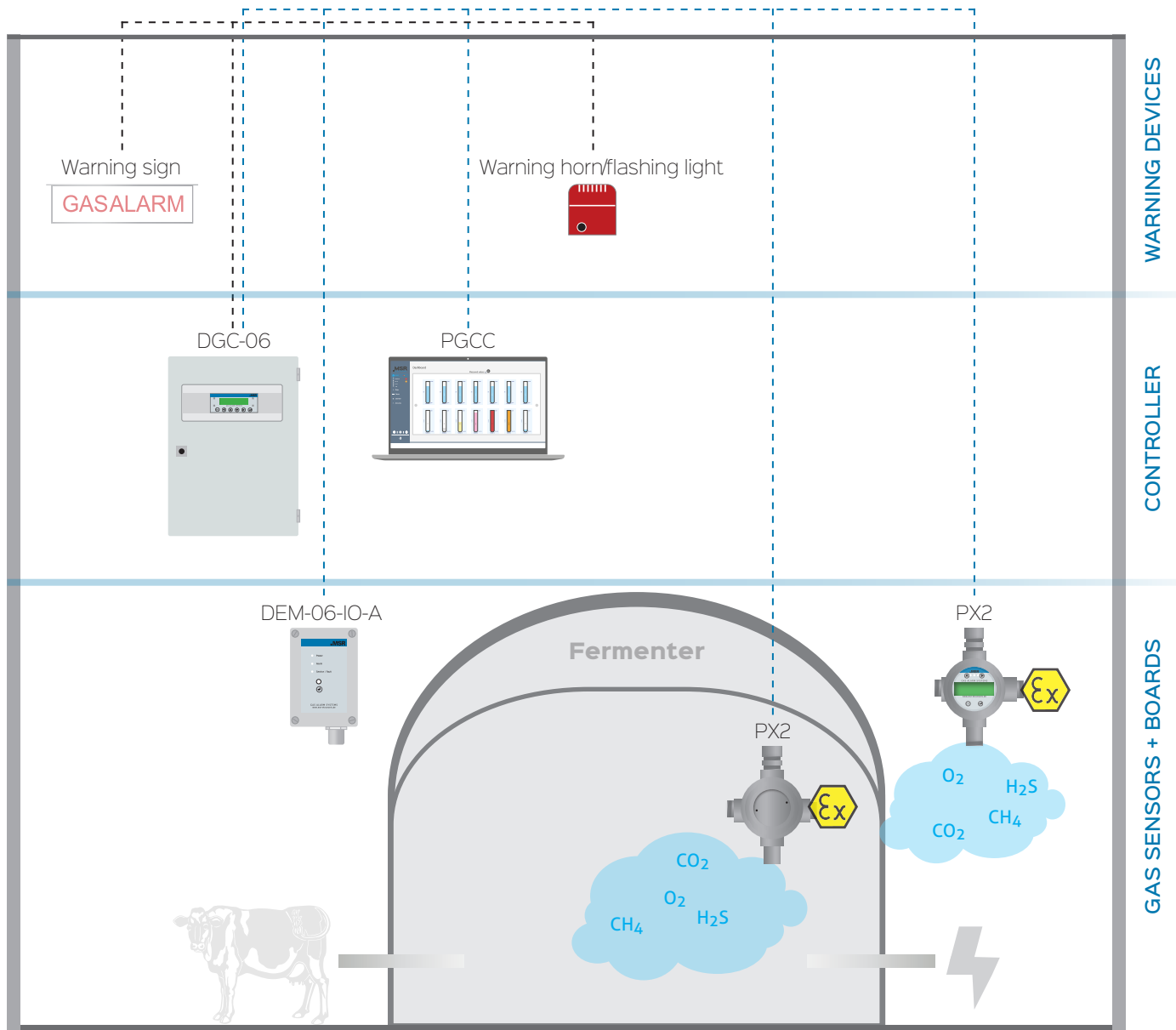
Gas Hazards

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

- Perfect integration into the modern biogas plant
- Monitoring possible on the CHP and in the membrane
- All data can be read via bus to controller
- The PX2 with methane sensor (zone 2) is the main player in biogas plants
- Good adaptation of the PX2 to the requirements of modern biogas plants but also gas turbines





Biogas plants



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How-to: Commissioning of the PolyXeta®

Gas Detection.



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