

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

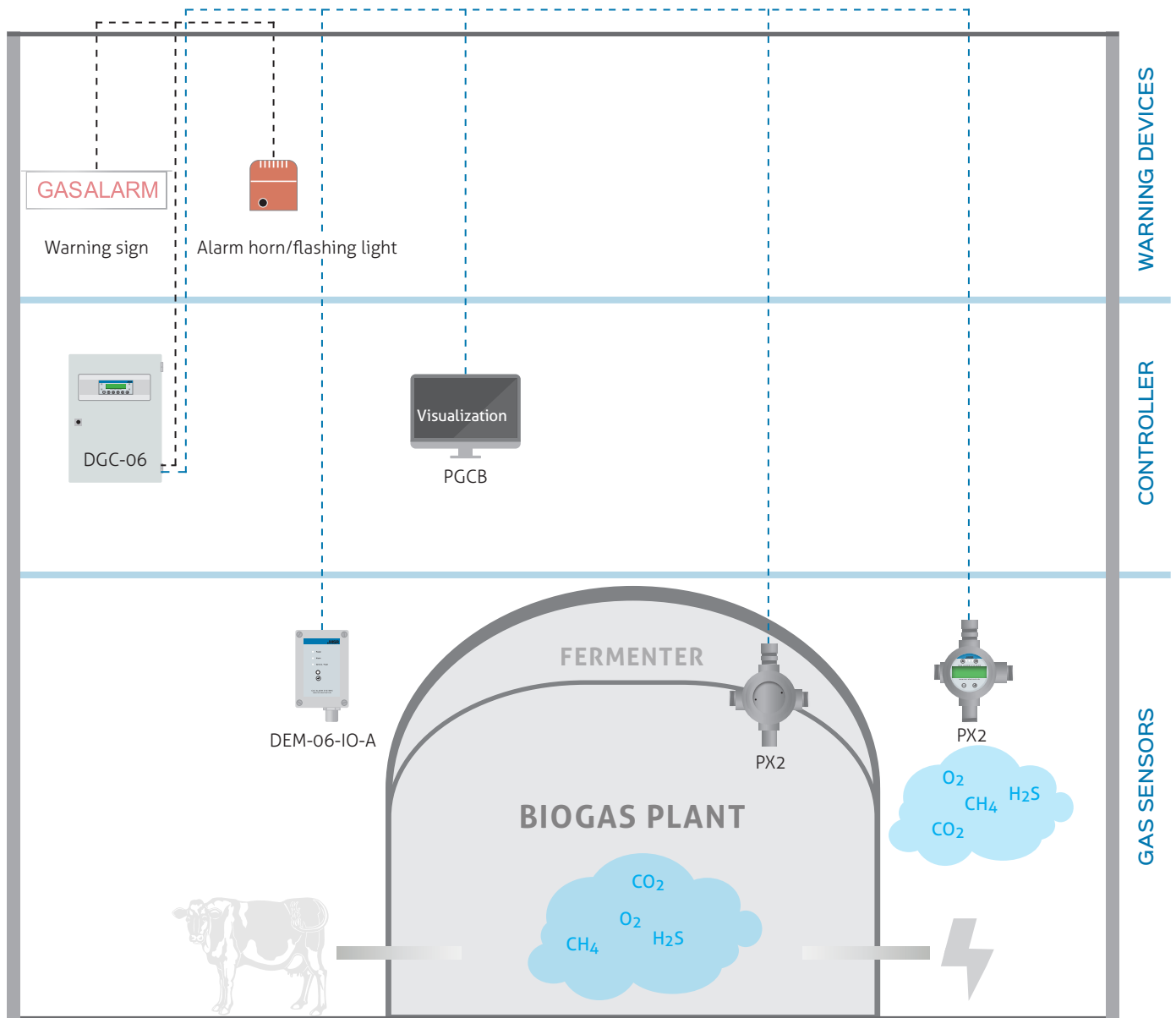
Methane can react explosively with air. This represents a high hazard potential for the operator of biogas plants. An explosive mixture exists when the concentration of methane in the air is between 4.4 and 16.5 % by volume. Monitoring in pump rooms can protect people from dangerous leaks. Continuous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



BENEFITS

- 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
- Cost-reduced calibration through sensor head exchange on site (X-Change technology)
- Solution for individual requirements, easy mounting by means of mounting bracket
- Easy connection to existing systems (analog, Modbus)
- 2 potential-free relays, e.g. to control warning devices





MSR SHOP24

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MSR VIDEO

How-to: Commissioning the PolyXeta®.

Gas Detection.



We are part of the MSR-Group.



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Our YouTube Channel



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