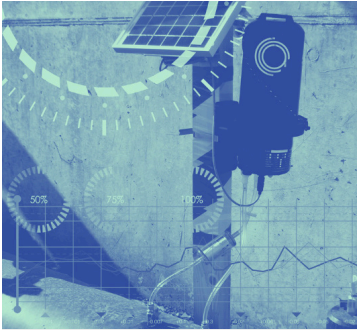


GASFLUX™

the world's first online continuous gas concentration and flow monitoring device



Gasflux

Gasflux is the world's first continuous gas and flow monitoring device (patent pending) for ground-gas applications. The technology enables, real-time monitoring of landfills, brownfield sites, onshore O&G facilities and industrial sites.

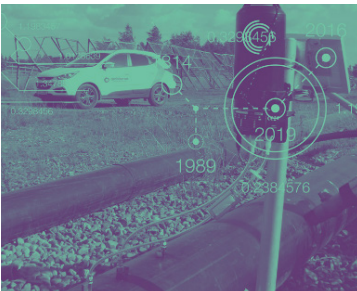
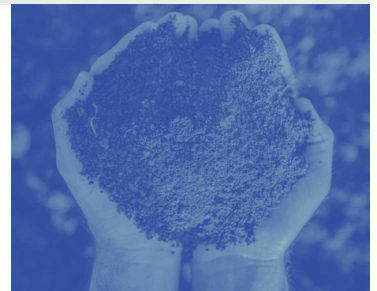
Continuous monitoring is an excellent way to quickly build up an accurate representation of ground-gas behaviour on contaminated land & landfill sites, fracking and other O&G facilities and on carbon sequestration projects.

Monitoring of concentrations alone doesn't always give the full picture and relying on spot flow-measurements often leads to sites being characterised overly conservative adding huge cost in terms of gas protection measures.

customer benefits

By monitoring both flow and concentration continuously, practitioners can for the first time build datasets that are less open to interpretation and that can be used to de-risk sites, reducing costs and development time.

Making the data available in real-time, builds an accurate of ground-gas behaviour, enabling better risk assessment, much faster reporting ultimately speeding up project delivery.



customer applications

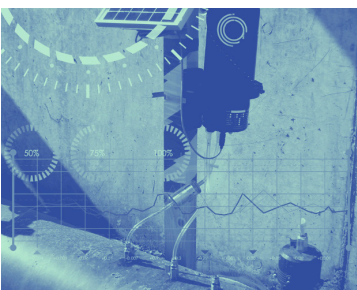
AmbiSense is a platform technology providing continuous monitoring of gas and air and reporting of that data through the cloud.

landfill monitoring

Site owners are looking for very different solutions for long-term landfill monitoring.

These solutions must take into account both the increasing lack of onsite manpower and the desire to obtain higher quality gas data.

With this changing market in mind Ambisense supports customers to better manage these asset in the years ahead.



contaminated land

Site investigation and remediation studies are generally performed under both regulatory and time pressures.

Most projects require ongoing assessment of ground and residual gas levels.

We automate the process of data capture in a cost-effective manner and it is suitable for either temporary or permanent deployment anywhere onsite.

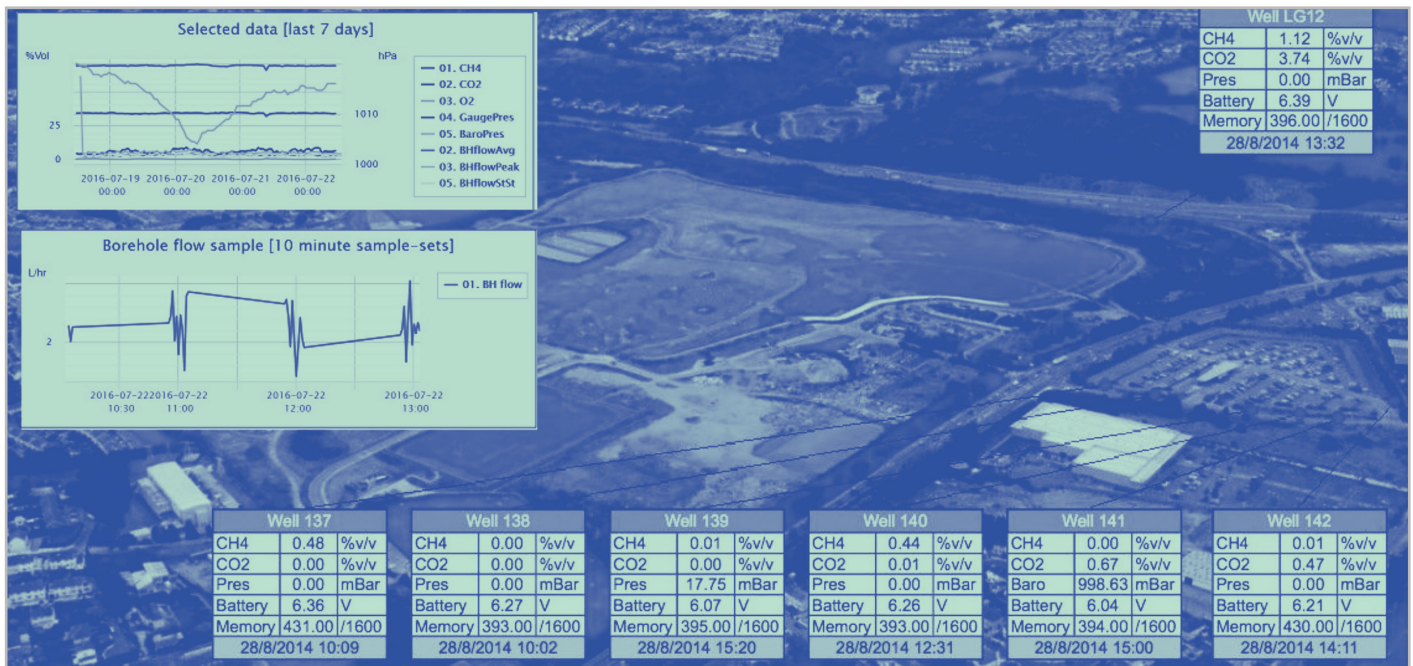
coal seam gas and shale

The processes of gas production require increasingly sophisticated levels of data to be obtained.

The wealth of data generated can optimise drilling and other operational processes.

The data can be used to understand, model and predict likely gas migration issues (important part of the licensing process).





Software Interface

- Secure Customer Login
- Integrated with Google Maps
- Fully Customizable data-views
- Set Alert & Action Trigger Levels
- Connect External Databases
- Interface with SCADA Systems
- Mobile, Tablet & PC Ready



Technical Specification

Sampling Frequency	Customisable: 1 to 12 hourly
	CH4: 0-70 %vol, typical accuracy ± 2 %vol
	CO2: 0-40 %vol, typical accuracy ± 2 %vol
	O2: 0-25 %vol, typical accuracy ± 1 %vol
	CO: 0-500ppm
	H2S: 0-200ppm
	tVOCs: 0-4000ppm
	NH3: 0 – 2000 ppm
	Pressure: Gauge ± 150 mB / Barometric: 850-1150 hPa
	Humidity: 0-100% RH (non-condensing)
	Temperature: -10 to +40 °C
	External interface: voltage or 4-20mA inputs e.g. thermal flowmeters
	Borehole flow: 0-60 L/hr
	Water levels: customisable
Power	3 month battery life & indefinite with supplied solar charging device
Memory	Internal memory storage for 12 months non-volatile data backup
Communications	GSM & 3G/4G
Physical	360x220x200 mm; 2.4 kg; IP68-rated enclosure; Wall/pole mountable; Suitable for installation on borehole wells, manifolds, pipes



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