AmbiSense Delivers

- **Continuous Monitoring** of BioGas – Perimeter Monitoring & Field Balancing
- **Optimised Efficiency** of BioGas Engines & Landfill Flares
- **Cost Effective** alternative to Expensive Equipment & Manual Field Balancing
- **Highly Accurate** Data + More Frequent Sampling
- **Web-enabled** Software Interface for Remote Data Access
- **Innovative Design** for Long-term Performance in Adverse Environments
- **Easily Installation** for pipes, gas wells, manifolds and ambient air
Application Areas

- Landfill
- Shale Gas
- Coal Seam Mining
- Waste-water Treatment
- Anaerobic Digestion
- Contaminated Land
- Air Quality

MAXIMISE GAS YIELD

UNDERSTAND & PREDICT GAS BEHAVIOUR

DETECT & PREVENT GAS MIGRATION

REMOTE MONITORING OF UNMANNED LOCATIONS
**Analytical Capability***

- Methane (CH4)
- Carbon Dioxide (CO2)
- Carbon Monoxide (CO)
- Oxygen (O2)
- Pressure (Gauge, Barometric)
- Temperature & Humidity
- Flow

* Other gases available upon request

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**Technology Features**

- Customizable Sampling Frequency
- Low Detection Levels
- Solar Power
- 12 Months Internal Memory
- GSM for Remote Telemetry
- Remote Data Hosting
- Customizable Web Interface
- Multi-point manifold sampler
Software Interface

- Secure customer login
- Integrated with Google Maps
- Customizable data-views
- Set Alert & Action Trigger Levels
- Automated event notification
- Interface with SCADA system
- Mobile, Tablet and PC Ready
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<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Methane (CH4)</strong></td>
<td>IR Sensor</td>
<td>0 – 100% v/v</td>
<td>0.01% v/v</td>
</tr>
<tr>
<td><strong>Carbon Dioxide (CO2)</strong></td>
<td>IR Sensor</td>
<td>0 – 100% v/v</td>
<td>0.01% v/v</td>
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<tr>
<td><strong>Oxygen (O2)</strong></td>
<td>EC Sensor</td>
<td>0 – 25% v/v</td>
<td>0.1%</td>
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<tr>
<td><strong>Carbon Monoxide (CO)</strong></td>
<td>EC Sensor</td>
<td>0 – 1000 ppm</td>
<td>0.1%</td>
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<tr>
<td><strong>Pressure</strong></td>
<td>Guage Barometric</td>
<td>+150mB</td>
<td>850 -1150hPa</td>
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<tr>
<td><strong>Flow</strong></td>
<td></td>
<td>Integration with 3rd party pitot tubes</td>
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<tr>
<td><strong>Communications</strong></td>
<td></td>
<td>GSM for remote telemetry. 2.4 GHz Radio short wave</td>
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<tr>
<td><strong>Power</strong></td>
<td></td>
<td>3 Months battery life (rechargeable) Indefinite with supplied solar charger</td>
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<tr>
<td><strong>Memory</strong></td>
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<td>Internal Memory (12 Months) non-volatile back-up</td>
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<tr>
<td><strong>Physical</strong></td>
<td></td>
<td>360x220x200 mm 2.4 kg IP68 Rated Enclosure</td>
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<tr>
<td><strong>Data Hosting</strong></td>
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<td><a href="http://data.Ambisense.net">http://data.Ambisense.net</a></td>
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Contact

Stephen McNulty
Chief Executive Officer
stephen.mcnulty@ambisense.net
Tel: +353 877731311

Dr. Fiachra Collins
Chief Technical Officer
fiachra.collins@ambisense.net
Tel: +353 863911419

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