



Global leaders in gas
analysis technology

Geotech



BIOGAS

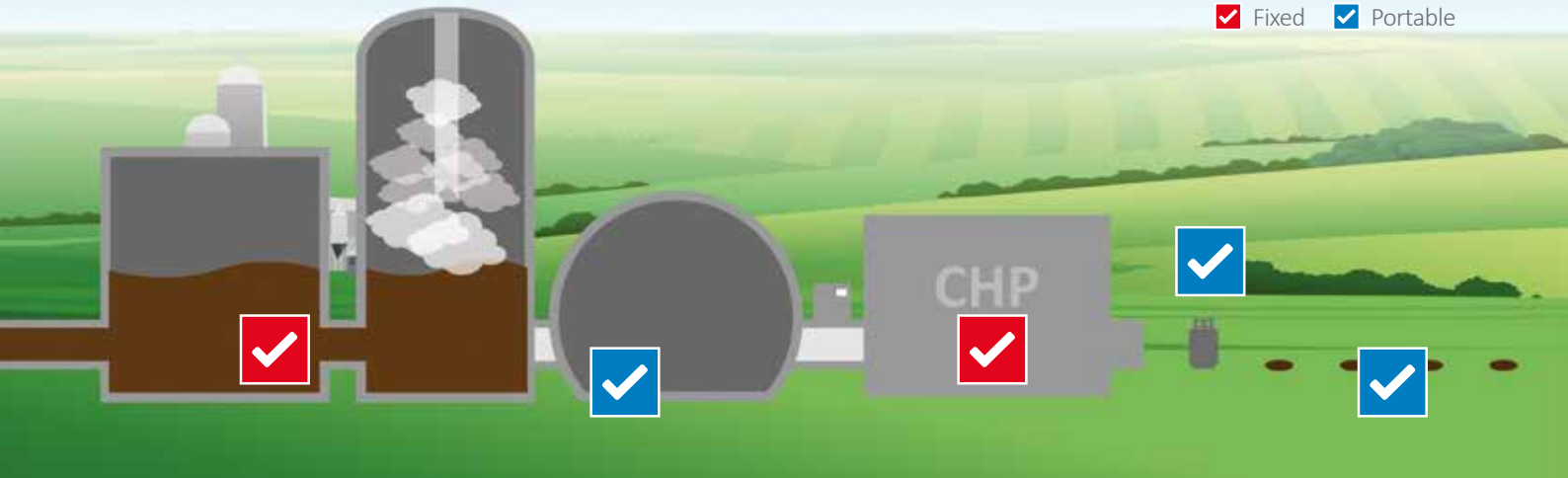
ASIA AND OCEANIA

Monitoring biogas from crops and plantations



BIOGAS PROCESS MONITORING WITH GEOTECH ANALYSERS

☒ Fixed
 ☒ Portable



	FIXED	PORTABLE
APPLICATIONS IN ASIA AND OCEANIA*	BIOGAS 3000*	BIOGAS 5000*
Farming Chicken, pig waste, slurry	✓	✓
Agricultural Molasses, maize, cassava, palm oil, eucalyptus	✓	✓
Food Mixed waste AD (small and large scale)	✓	✓
Sewage Sewage and Waste water treatment AD	✓	✓
Gas Waste to Energy Gas flaring	✓	✓
Biogas Upgrading Gas to grid	✓	✓

*Geotech has a vast portfolio of products to suit many other applications across the globe. Please contact us to find out more.

SPECIFYING YOUR NEEDS

- What gases do you need?
- Is it a safe zone?
- Sample points?
- What data storage/download?
- Is flow required?
- Fixed or portable?
- Gas conditioning?

Geotech is the leading supplier of anaerobic digestion gas monitoring equipment in the UK.

With top reliability and support, Geotech's fixed gas analysers and portable biogas analysers are used throughout the globe to help AD businesses to optimise their AD process and provide technology to ensure your CHP runs efficiently and without interruption.

Biogas analysis can help optimise digester operation and maximise methane production. It assists process control, which can help protect CHP engines from H_2S and moisture damage. As a result, it ensures that methane is produced efficiently, ultimately generating revenue.

FIXED GAS MONITORING

BIOGAS 3000



- Used by plant operators for process control and protection of their CHP engines
- For farm waste to large scale AD sites and waste water treatment sites
- Quick and easy to self-install. IP65 rated stainless steel enclosure
- Safe and reliable - ATEX and IECEx certified, calibrated to 17025 UKAS
- Monitors 5 gases from different sample points on the AD plant
- CH_4 , CO_2 , O_2 , additional gases CO , H_2 , H_2S
- Return the sensor unit for servicing and get a temporary replacement unit
- Sold internationally, local support in over 60 countries



**OTHER
FIXED
MONITORS:**

BIOGAS 300
QuadraTherm

PORTABLE GAS MONITORING

BIOGAS 5000



- Used by site operators for process analysis
- Used at different stages of the anaerobic digestion process
- Measures CH_4 , CO_2 , O_2 and H_2S
- Checks gas quality going into the CHP engine
- Takes and stores readings – displaying gases' flow readings, system pressure, temperature and more
- Download data to read and analyse
- ATEX certified, light weight and robust



**OTHER
PORTABLE
EQUIPMENT:**

Anemometer



OUR DISTRIBUTORS AND SERVICE AGENTS IN ASIA AND OCEANIA



Thermo Fisher Scientific (S)

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APC Techsafe (S)

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(S) = Service Agents



“...sensitive response, high precision,
easy calibration and installation.”

GA3000 PLUS CUSTOMER FOR A BIOGAS PURIFICATION PROJECT, BEIJING, CHINA

LOCAL SUPPORT IN ASIA AND OCEANIA

Regardless of where you are using Geotech products in the world, you can have peace of mind that a local service support network is available to you. We have distributors and agents throughout Asia; simply contact your local service distributor in your country.

Our technical team are also on hand to answer your questions and make the process of setting up and using your product as smooth as possible.

We offer:

- Support and training videos
- Operating manual and technical literature in multiple languages
- Replacement hire units (for fixed biogas monitoring systems) to ensure minimum downtime
- Remote updates and on-site training
- A guide to maintenance costs



SERVICE SUPPORT AND PROCESS

Local service and support is available from the majority of our distributors which gives you faster and more efficient service and turnaround time. Your analyser will remind you when your unit is due to be serviced. Every 3 years your analysers are returned to Geotech's Service centre in the UK where they undergo a full service and calibration with over a 100 detailed tests, both through our state of the art UKAS calibration chambers and manually via our highly experienced engineers. The stages the unit goes through whilst in service at Geotech are:

- An initial assessment
- A gas check using full computer diagnostics to ascertain how accurate it is
- A comprehensive service including diagnostics where everything is checked and replaced, where needed, by our service engineers
- Chemical cells are calibrated using our state of the art calibration rig
- All accessories are tested and serviced
- The unit is fully calibrated using our in-house UKAS calibration chamber which compensates for changes in temperature and pressure
- The unit receives a final manual check alongside an automatic verification programme
- Every day our couriers collect and deliver units across the world



