

# Smart instruments for biogas experts

bioprocess  
CONTROL

WATER LEVEL

IBBA Workshop 2015  
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# Bioprocess Control

## Business area

A global technology and market leader in the area of advanced **Instrumentation & Control Technologies** for research and commercial applications in the biogas industry

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## Mission

Bring to market innovative advanced instrumentation and control technologies that allow for more **efficient biogas research** and an **improved operation** of biogas plants

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15

years of industry  
leading research

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# Product portfolio

## Feedstock optimisation & characterisation



Automatic Methane Potential Test System (AMPTS<sup>2</sup>)



Biogas Endeavour

## Simulation of biogas reactors



BioReactor Simulator

CSTR-2G

CSTR-5G

CSTR-5S

CSTR-10S

# Product portfolio

## Ultra low gas flow measurement



μFlow



DAQ system

## Reactors & mini-pilot biogas plant



CSTR-5S/10S



CSTR-5G



Mini-pilot biogas plant



Mini-pilot UASB/EGSB/IC

## Bioprocess Control can help with:

- **Feedstock optimisation & characterisation**
- **Evaluation of various pre-treatment effects on biomass**
- **Analysis of additives for biogas production**
- **Study & evaluation of co-digestion**
- **Simulation of biogas digesters at lab-scale**
- **Monitoring alcoholic fermentation for ethanol production**
- **Evaluation of the efficiency of biological nitrogen removal (i.e. denitrification, ANNAMOX) from waste water**

For more information, visit us at:

[www.bioprocesscontrol.com](http://www.bioprocesscontrol.com)

## Optimising the production of biogas

