



## Independent solutions for the management and maintenance of process instrumentation

*A single provider for all your process instrumentation needs*

**Envogen Instrument Services**  
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Envogen has a wealth of experience providing a complete service which combines the specification, manufacture, supply, calibration, maintenance, repair and asset management of our clients instrumentation. Services are provided nationally, to clients in all industries, ranging from the Food & Beverage, Chemical & Petro-chemical, Paper, Dairy, Pharmaceutical, Hospitals, Renewables and the Utilities sectors.

## PPM and Calibration Services

Envogen provide a comprehensive, cost-effective service that includes calibration, preventative maintenance, planned shutdown work and asset management. This can involve working as an independent team or as a sub-contractor to a larger maintenance effort.

Service is available for all forms of measurement, including; pressure, temperature, level, flow, weight, pH, conductivity and all other electrical equipment.

Certification is carried out to specified standards defined to ensure clients can demonstrate their compliance with Regulatory Authorities, British Standards, FSA, FDA, International Standards or other Governing or regulatory bodies.

### Field services include the following:

- Initial site inspection to determine the time-frame and equipment required to complete the job within the clients production and financial budgets.
- Calibrations in compliance with regulatory & customer specifications.
- Test equipment that is traceable to National/International Standards.
- Experienced technicians with SPA Safety Passport approval.
- Quick delivery of associated certification and site reports.
- Post service support to resolve any plant issues that you may have.
- Certification of calibration/conformity can be accessed online.

### Shutdown, Contract & Project Work

Envogen provide advice, equipment and labour to assist clients in delivering their projects within specification, deadline and budget.



Typical services are Installation, Commissioning, System Validation, Loop Checking, Alarm/Trip Testing and ATEX Inspections.

### Instrument Management Services

Envogen's integrated management software allows clients to monitor their calibration schedule and download associated certificates or reports.

The system is free for all clients, many of whom use it as part of their PPM planning and auditing strategy.

### Envogen's Client System

Envogen's System allows client's to 'Remotely Access' their information and is designed to save time and money by allowing them to monitor their equipment and print any related documentation.

#### 1. Tracking Job Progress



#### 2. Identifying Trends



#### 3. Printing Copy Certificates



## Liquid Flow Meter Services

Envogen offer complete life cycles services for clients liquid flow meters, this begins with the specification of the most suitable meter for the application, procurement and supply, install, setup/commission, calibration, maintenance and repair/replacement.

Clients can opt to have flow meters calibrated on-site, this is highly cost effective, has a very low environmental impact and has the additional benefit of reduced 'down-time'. Field calibration enables the flow technicians to investigate any issues that a client is experiencing and work towards the best solution. Where an overhaul or repair is required the meters can be returned to the workshop for the necessary services to be undertaken before being returned to site.

Our portable flow calibration rig uses a highly accurate mass flow detection system that is ideally suited for on-site applications.

# Workshop Services

Envogen's ability to backup the on-site services with a workshop based calibration, repair and manufacturing facility means that clients receive a complete instrument package.

The workshop facility allows all forms of instrumentation, ranging from pressure gauges and temperature probes to transmitters with remote systems and electrical test equipment to be serviced. This equipment can be calibrated, repaired or modified in a very short period of time, making Envogen the ideal supplier to help with breakdowns.

All calibrations are performed using test equipment that is traceable to National/International standards and the repair work we undertake is covered by a warranty.

Envogen also undertakes project and specialist fabrication work, enabling high quality application specific solutions to be supplied.

## Obsolete Instrumentation

Repair and overhaul of old or obsolete electronic, hydraulic and pneumatic equipment that the manufacturers no longer supply parts and services for.

### Common example include:

- Rosemount E1151 Transmitters
- Foxboro 43AP
- Taylor 440R Controllers.

## Filled Systems

Envogen manufacture and repair a range of quality temperature equipment and hydrostatic tank contents gauges.

**Capillary Types:**  
Stainless Steel, Copper, Armoured, PVC Coated & Others

**Fills:**  
Both Gases and Liquids



## Diaphragm Seals

Envogen specialise in the rapid manufacture and turnaround of diaphragm seal systems that are custom built to suit the instrument and application. Existing systems can also be repaired or upgraded to improve performance or increase operational life. A full line of custom remote seal systems, including a variety of seal types, exotic metals, fill fluids and capillary lengths. The seal and capillary systems are manufactured in-house, allowing Envogen to deliver exceptional lead-times at very competitive prices.

**Wetted Materials:** Stainless Steel, Hastalloy, Monel & Tantalum. Exotic materials are also available.

**Fill Fluids:** DC200, DC704, Daifoil, Marcol, Glycerine, Neobee & Primol. Other fill fluids are available.



# Application Specific Supply

Envogen supplies a wide range of process instrumentation at highly competitive prices. Finding the instrument best suited to our clients specific needs often depends on many factors, but the most common are; the instruments criticality (ie: required for process as opposed to a stock item), the monetary budget and the time-frame in which the instrument is needed on-site. For these reasons both New and Refurbished solutions can be offered, based on expert advice that is supported by many years of experience.

If you require technical advice or a quotation relating to an instrument or associated equipment then don't hesitate to contact our sales team.

## Manufacturing

Envogen manufactures high quality pressure and temperature equipment to suit any application. Many common hygienic and chemical applications are held in stock and if not they can be made in very short lead-times.



SIEMENS



EMERSON



beamex

## Test Equipment

Calibration and repair services are available for a vast range of Test Equipment. Utilising the dedicated electrical, pressure, and temperature labs Envogen are able to provide a high standard of service with short turnaround times. Envogen carry a large quantity of stock parts that allows quick repairs to be made on equipment that may otherwise be subject to long lead-times or no longer be supported by the manufacturer.

- mV/ mA Sources/Calibrators
  - Oscilloscopes
  - Low Resistance Ohmmeters
  - Controllers
  - Multimeter's
  - Loop Testers
  - RCD Testers
  - Insulation Testers
  - Clamp Meters
  - Earth Testers
  - Sound Level Meters
  - Pressure Meters
  - Pneumatic Calibrators
  - Test Gauges
  - Deadweight Testers
  - Transmitters
  - Digital Thermometers
  - Analogue Thermometers
  - PAT Testers
  - Airflow Meters
  - Humidity Meters
  - Decade Boxes
  - PSU's
  - Light Meters
  - Data Loggers
  - Tachometers
  - Recorders
  - Micrometers
  - Surface Gauges
  - DTI
  - Rulers
  - Veneer Calipers
  - Torque Wrench
  - Tapes
  - Timers
- And many more...*



## Training Services

Envogen works in partnership with Roxby Training Solutions to deliver high quality training courses to clients seeking to develop their technical staff. The courses are structured to target key competency and compliance subjects such as:

- Instrumentation
- CompEx E&I
- CompEx Mechanical
- Health & Safety

Delegates can either attend one of the registered training facilities in Stockton and Stallingborough or courses can be delivered at the clients site using the mobile test rig facility.

For a full list of courses please visit [www.roxby.com](http://www.roxby.com) or call +44 (0)1642 438700

# ROXBY

## Training Solutions



## Locations

**Head Office & Main Workshop**  
Lodge Works, Ashcroft Road  
Knowsley Industrial Park  
Liverpool, L33 7TW

**Teesside Office**  
c/o Roxby, Wellington Court  
Preston Farm Business Park  
Stockton-on-Tees, TS18 3TA

**Humberside Office**  
Building SO39, Room G10b  
Saltend Chemicals Park  
Hull, HU12 8DS