

**The UKGT Group has evolved over two decades into a multi-million pound company, providing turnkey engineering for high purity process systems.**

Working, growing and learning hand in hand with a blue chip client base from Pharmaceutical, Research and Semiconductor industries, has culminated into an enviable reputation as the UK's leading process installation contractor in all three fields. The group members are:-

### **MEDICAL GASES LIMITED**

Medical Gases Limited, the founder company of the group, dominates the market in large Research Laboratory projects, providing a total capability for special gas delivery systems.



Microgas Systems Limited, the leading UK ultra high purity systems engineering contractor to the Semiconductor industry, has a totally flexible in-house capability to design, manufacture and install gas, chemical and water systems.



Puretech Process Systems is dedicated to the Pharmaceutical Industry, providing turnkey Purified Water, WFI, Pure Steam and Process systems. Puretech is now established as the market leader in the UK.

## Ireland unCorked



manufacturing capabilities to the Pharmaceutical, Semiconductor and Laboratory markets. Initial successes include Ophtechs, Olympus and IMAG.

Cork was the natural progression for the latest Puretech expansion. A new 4,500 sq. ft. facility was opened in the summer of 2001 to provide full engineering



Puretech Process Systems

## Expansion, Expansion, Expansion

In addition to the new Cork office, the Northern office has moved into new larger premises with greater manufacturing capability and enhanced AutoCAD design facilities. To complete



the treble, the Head Office facilities at Redhill have been re-configured to cater for skid manufacture and gas cabinet assemblies.

Puretech Process Systems



## Not Finished Yet

Microgas Systems Limited - still running flat out in Finland. After finishing the complete specialist gas installation for Okmetic OY, Microgas has won the full turnkey gas package for VTT's new Wafer Fab worth €1.6 million. Microgas Systems Ltd have been awarded the total design and installation of the process gases package to serve the new extension at VTT, Espoo, Finland.

VTT is a government sponsored establishment who undertakes research and development work with the electronics industry. The scope of supply includes compressed dry air, liquid nitrogen, bulk gases and special gases along with gas cabinets and associated VMB'S. MGS was chosen from a list of bidders for their professional approach and extensive technical assistance at tender stage.



Microgas Systems



## No Waffle - Pure Wafer

Pure Wafer Ltd is based in South Wales and specialises in the reclamation of 200mm and 300mm process wafers. Not only does the company reclaim the wafer, but it returns the product back to their customer in a clean condition ready for immediate return to production.

In order to achieve this ground breaking service, the wafers undergo several processes, with each tool requiring a number of specialist high purity facility support services. Microgas Systems undertook the complete hook-up of the entire facility, with services comprising of the following: \* Nitrogen \* Vacuum \* Compressed Air \* Slurry \* DI Water \* Chemicals. \* Chemical Drains. Microgas Systems were also responsible for the installation of the base build services, to include: \* CDA plant and distribution\* External emergency spill drain \* Vacuum plant and distribution\* Dual containment chemical distribution lines \* Chemical drains

The chemical dispense systems were supplied by SEZ from Germany and Microgas Systems worked in co-operation with SEZ to install the complete support services to the CDM's and VMB's.

This vast scope of services required an array of specialist installation techniques, ranging from simple solvent welded ABS through to infra-red welding on PP and PVDF and orbital welding of stainless steel.



Microgas Systems

## Project Success

### MEDICAL GASES LIMITED

Pfizer, Sandwich  
UCB Films, Cumbria  
Herriott Watt University, Edinburgh  
GlaxoSmithKline, Harlow  
Celltech, Slough  
Institute of Cancer Research, Sutton  
AstraZeneca, Loughborough

**MGS** MICROGAS  
SYSTEMS LTD  
HIGH PURITY PROCESS SYSTEMS

British Aerospace, Southampton  
Optical Microelectronic Devices,  
Swindon

Nanomagnetics, Bristol  
Purewafa, Swansea  
Marconi, Caswell  
Atmel, Newcastle



Murex, Dartford  
Pfizer, Sandwich  
Boehringer Ingelheim, Bracknell  
Mars, Slough  
Evans Vaccines, Speke  
Merck, Sharp & Dohme, Enfield

## Working with:



### AstraZeneca at Macclesfield - Triple Jump



Puretech gains AstraZeneca's confidence to secure three Purified Water contracts on the trot, to the value of £1.2 million. The latest is the award of a full turnkey package for the TCF Facility which includes a PLC control system and Ozone sanitisation.



### Bovis at Loughborough



Due to Puretech's professionalism, Bovis award Puretech Phase 2 of the new small scale manufacturing facility. Works include CIP Skid, Process and HFA lines.

Puretech Process Systems

## All Gased Up at BP -

### Major £1.3 million contract for BP at Sunbury



As part of the Sunbury Research Park redevelopment, Medical Gases Limited was awarded the complete design and installation of the Laboratory Gas systems. This comprised of all stainless steel orbitally welded pipework, 80 No. external gas manifolds and Liquid Nitrogen storage facility.

Medical Gases Limited

## UKGT would like to introduce you to an exciting new company they have invested in:



IGAS is a specialist supplier of turnkey process package solutions; offering:

- Packaged solutions for cylinder filling of industrial, medical and special gases, built from discreet modules and using in-house, state of the art software and hardware modular control systems.
- Process control solutions, which can be integrated into a common control strategy, continuous or sequential. This includes bulk processing, pump control, valve sequences and traditional process three term, or more advanced continuous strategies. Also, we can provide plant view systems from simple HMI to full SCADA.

IGAS are able to do this through a unique ownership structure and key strategic industry partners, ensuring our ability to deliver – for more information please contact Robert Lee on +44 (0)1737 778766. You can also visit IGAS's web site [www.igas.com](http://www.igas.com)

## How Many!



UK Gas Technologies Limited have taken delivery of a new Arc Machines wire feed programmable orbital welding machine, bringing the total to 25. The largest single holding by any process installation contractor in the UK.

## STOP PRESS



Website relaunched, please visit us at [www.ukgastech.uk.com](http://www.ukgastech.uk.com)



UKGT signs up to Investor in People Scheme



We have successfully achieved the "Positive about Disability" award



Our previously approved BSI system has been updated to enable us to receive the BSI EN ISO 9001:2000 quality assurance approval



All staff at our Cramlington office received training from the British Red Cross



Puretech shows further commitment to the Pharmaceutical industry by joining the ISPE



UKGT is pleased to confirm that it has joined the British Compressed Gas Association



We have introduced an enhanced environmental policy in accordance with BS EN ISO 14001

## Learning Curves

We hold bi-monthly seminars for Designers, Specifiers and Project Engineers of UHP and Process Systems.

Seminars can feature topics such as pure water treatment, gas system design, orbital welding techniques, analysis and validation. Contributions from specialist suppliers complete the beneficial and informal day. Should you or your company be interested in our next seminar, please contact

**Bob Smith** on:  
**01737 378012** for details.



## New faces at UK Gas Technology



Lynne Haines comes with a proven track record in Project Management and Design in the Pharmaceutical Industry. Lynne will be based in the south to support our continued success in turnkey projects.



Dan Smith joins our Northern office as the Controls & Instrumentation Manager and comes with over 15 years of controls experience. Dan will be based at our Cramlington office, overseeing our ever increasing C & I operations.

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