

PROCESS CONTROL SOLUTIONS



Honeywell





In industries where continuing processes are vital and shutdowns are not an option, companies need fast and reliable access to process control equipment and technical support.

Multiplex Engineering Limited is a well established company with an excellent reputation in Irish industry including the Dairy, Brewing and Pharmaceutical sectors. We specialize in supply of instrumentation and valves from our Drogheda base. We stock hundreds of "off the shelf" items in order to respond to customer needs as fast as possible and minimize their plant down time. Amongst our many services we specialise in valve and transmitter repairs. Service replacements can usually be delivered immediately from our extensive replacement stocks.

As energy usage is part and parcel with all manufacturing facilities and its cost is ever increasing, we at Multiplex have specific solutions for energy management, monitoring and controlling.

We have completed numerous projects with our existing customer base on utilities monitoring and re-using of energy. Please feel free to discuss further with any member of our team for more up to date information on heat exchangers, steam monitoring, air monitoring boiler and compressor management and general controls.



INSTRUMENT SUPPLY & REPAIR

We supply, stock and repair all types of instrumentation for all sorts of applications;

- Pressure, differential pressure and level transmitters
- Vortex, magnetic, mechanical flow meters and mass flow meters
- Chart Recorders and controllers
- Pressure Gauges
- Full range of ancillary equipment

In addition to the Manufacturers that we represent, we stock equipment from well known manufacturers such as;

- Rosemount • Foxboro
- Endress & Hauser • Krohne

VALVE SUPPLY & REPAIR

A vast selection of control valves are held in stock from manufacturers such as;

- Valsteam ADCA • Spirax Sarco • Honeywell
- Masoneilan • Valtek • Samson • Fisher

We also stock the following types of valves;

- Ball • Butterfly • Gate & Globe
- Parallel Slide • Pressure Reducing
- Pressure Relief • Non Return

Pneumatic and electronic actuators are also available from stock

- Norbro • Keystone • Kinetrol
- Auma • Rotork • Hytork



DATA ACQUISITION

We have completed data acquisition projects using Honeywell HC900 PLC/SCADA type solutions and also using the latest paperless recorder options. We have also supplied numerous types of steam and compressed air meters for monitoring and targeting of energy.

CONTROL PROJECTS

We have specified and supplied heat exchangers along with all the necessary valves and steam traps for the food and beverage industry and also supplied the relevant instruments, controls and panels for applications such as blending and temperature control.



BOILER HOUSE CONTROLS

We supply isolating valves, blow down valves, steam and feed water control valves for boilers. We have also completed upgrades to boiler controls including drum levels, drum pressure, steam flow, furnace control, etc. We can supply all hardware including customised panels and graphics.

POWER PLANT ANALYTICAL INSTRUMENTS

We have supplied numerous solutions for monitoring of conductivity, oxygen, chlorine, sodium, silica and pH. The Swan Degassed Conductivity Monitor has been proven to reduce turbine start up times with return on investment being realised following one start up.

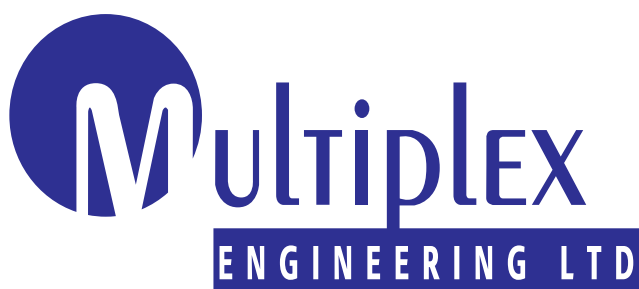
WATER TREATMENT SOLUTIONS

Multiplex Engineering are agents for Swan Analytical equipment in Ireland and can provide solutions for the following applications;

Applications	High Purity Water	Feedwater, Steam & Condensate	Potable Water	Pool & Sanitary Water	Cooling Water	Waste Water and Effluents
Ammonium		■	■			■
Chlorine/Ozone/ClO2	■		■	■	■	■
Conductivity/Resistivity	■	■	■	■	■	■
Hydrazine/Carbohydrazide		■				
Nitrate			■			■
Oxygen (dissolved)	■	■	■		■	■
pH	■	■	■	■	■	■
Phosphate		■	■	■	■	■
Redox (ORP)	■	■	■			
Silica	■	■				
Sodium	■	■				
Turbidity	■	■	■			■



In addition to Swan, we are agents for Nivelco Level Instrumentation and can therefore provide all types of level monitoring and control from low level switching to ultrasonic and radar level transmitters for the water industry.



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