



HIGHNETT GROUP



HIGHNETT
CONTROLS



MACKLIN
CONTROLS UK



SOLATEST
RENEWABLES

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INTRODUCING HIGHNETT GROUP

We have in-depth experience in all aspects of electrical, instrumentation and control systems and renewables. Having expanded into the petrochemical and renewable energy environment, we routinely provide a full range of electrical, process and pneumatic instrumentation for refineries, steel and water works and off shore installations.

The company manufactures control & instrumentation systems as well as carrying out electrical and mechanical installation, maintenance, and routine machine servicing and repairs for industry.

Read on to find out more about the companies within the group; Highnett Controls, Macklin Controls UK and Solatest.

OUR AIMS

- A high standard of workmanship
- Personal advice to meet your specification
- Full technical information available
- Access to specialist product knowledge



REGISTERED MEMBER





Our mission is to provide customers with quality products which fully comply with the specification and outlined requirements. We are committed to meeting customer expectations and needs on time, every time.



DESIGN TO FINAL COMPLETION

Originally formed in 1978 the company has experience in all aspects of electrical, instrumentation and control systems environment, providing all aspects of electrical, process and pneumatic instrumentation and servicing for refineries, steel and water works and off shore installations.

Today the company continues to manufacture leading control panels, working in close contact with customers and end users to provide total solutions from design to final completion. It also carries out electrical & mechanical installation, maintenance, routine machine servicing & repair for industry. We focus on five key areas;

- **Electrical**
- **Process**
- **Pneumatic**
- **Instrumentation**
- **Controls**

Read on to find out more about our services including Control Systems, Packaged Equipment & Industrial Maintenance.



CONTROL SYSTEMS

Control panels from one off design and build projects to volume and repeat orders are carried out at the companies Newbury based premises.

Control Panels

Our panels are designed, built and tested to a variety of standards used throughout the world. Panels are manufactured for all aspects of motor and instrumentation control.

These can be built for indoor and outdoor environments in both safe and hazardous environments.

Instrumentation

Instrumentation and small bore tubework is carried out using a variety of materials from steel and copper for basic air & oil products, to stainless steel, hastalloy and other exotic materials for use in gas analyser systems.



PACKAGED EQUIPMENT

Instrumentation and controls are installed on packaged equipment, which may be built by fabricators on site, or by ourselves at our own premises.

Electrical

The installation of cable tray, cabling and electrical equipment using appropriate materials to suit all environments from safe to hazardous area.

Process

Process instrumentation work suitable for liquid and gas, control and monitoring for installations from pressure switches and transmitter lines to specialised analyser systems.

Pneumatic

Installation of small bore pneumatic pipework in steel, stainless steel and copper for control valves, machine control, compressed air supplies and filtration.



INDUSTRIAL, MECHANICAL & ELECTRICAL MAINTENANCE

Highnett Controls provides a wide range of maintenance solutions for the manufacturing industry, providing one stop maintenance & emergency breakdown services including;

- **Lighting repair, replacement and upgrading to LED**
- **Routine electrical maintenance and trouble shooting**
- **Air conditioning installation and servicing**
- **Plumbing, water filtration and treatment**
- **Routine fire and emergency light testing**
- **Motor and machine repairs, fault diagnosis**
- **Portable appliance testing**
- **Providing the total maintenance package and assistance in reducing the need for high maintenance staffing levels.**

TYPICAL PROJECTS

Control panel design, development and manufacture for all industrial and commercial applications including:

- **Large-scale LV power distribution**
- **Renewable energy G59 Control & distribution for up-to 1Mwatt**
- **Replacement of control system and cabling for Electricite De France at Cordemais, France in conjunction with Copes Vulcan (steam control valves) and during Christmas shutdown.**
- **Exd burner management system control panels for Lamma power station extension, in Hong Kong.**
- **Flare Ignition systems for Unitech Design for petrochem sites world wide including off-shore installations and steel works.**
- **Electrical and instrumentation installations for air treatment packages.**
- **Pumping and filtration control systems. Linear motor controls for automatic operation of large window and door systems.**
- **Airport emergency runway lighting charging rack.**

Get in touch to discuss your requirements with our experienced team.



MACKLIN
CONTROLS UK

“In addition to excellent & consistent production quality and attention to detail, the team have always managed to balance the requirement for well-organised administration and the ability to be responsive and flexible with our requirements...”

CLIENT TESTIMONIAL



SWITCHED ON SOLUTIONS [SOS]

Macklin Controls UK joined the group in 2008 adding the supply of switchgear and control systems. We work closely with many of the UK's leading wholesalers offering products for distribution and also expert support. The core offering centres around switchgear, changeover switches, isolators and control panels.

In recent years the company has been focused on forging links with third party providers to deliver specialist control panels for uses such as photovoltaic installations and wind generators to help others reduce their carbon foot-print, and many other uses that embrace today's business and industrial needs.

We provide our customers with technical advice and quick delivery, giving the customer a comprehensive package for an economical price. We are also conscious of environmental issues, recycling materials, packaging and saving energy where possible.

Services include:

- **Main/Emergency Isolators**
- **Manual & Automatic Changeover Switches**
- **Switches**
- **Switchgear**
- **Control Panels**
- **G59 Wind & Solar Energy Controls**
- **Export Limiter**



OUR SERVICES

Manual & Auto Changeover Switches

- Painted mild steel, stainless steel or insulated enclosures
- 2, 3 and 4 pole
- 16amp to 800amp
- IP65 to IP67 rating protection
- Padlockable handle
- Earth terminal & lid bonding link included
- Switch interlocked with lid to prevent opening in 'ON' position
- Specials-Manual & Auto changeover switches built to order

Main / Emergency Isolators

- Painted mild steel, stainless steel or insulated enclosure
- From 3 pole to 12 pole
- From 20amp to 1000amp
- IP65 to IP67 rating protection
- Padlockable handle
- Earth terminal included
- Safety switches interlocked with lid to prevent opening in 'On' position
- Switches are rated AC-21, AC-22 & AC-23
- Operating temperature from -40 C to over +80C

Switches

- Kraus & Naimer switchgear
- Range of off/on switches
- Changeover switches
- Step switches
- Push buttons & emergency stop buttons
- Pilot lamps
- Control switches with side or rear access terminals
- Front panel mounting or base mounting



We are an Authorised
Distributor for all their products.

Control Panels

Control panels from one-off design and build projects to volume and repeat orders are carried out at the Company's fully equipped premises.

Our panels are designed, built and tested to a variety of International standards, depending on the customer's requirements. Panels are manufactured for all aspects of motor and instrumentation control. These can be built for indoor and outdoor applications in both safe and hazardous area environments.

Switchgear

As manufacturers of bespoke switchgear we can provide isolating switches, changeover and bypass switches up to IP67 protection from 16amp to 800amp.

We have built a solid reputation amongst our clients for delivering high quality switchgear and control systems, constructed by engineers with a wealth of component knowledge and electrical engineering expertise.



We are Assembled
Switchgear Partners

Bespoke Solutions

We offer bespoke solutions for switching and control systems, working closely with our customers. At Macklin Controls UK we provide assistance to the wholesaler by discussing technical problems with their contractors to resolve difficult issues.

Whether you're looking for assistance in design and manufacture of bespoke products or are purchasing standard switchgear Macklin Controls UK is ready to deal with your enquiries and take care of every detail.



SOLATEST
RENEWABLES

Our mission is to meet the rapidly increasing demand for G59/3 controls in the Renewable Energy Industry.

SWITCHED ON SOLUTIONS [SOS]

Solatest is a specialist division which was added to the group in 2016 to create and deliver complete solutions for G59/3 regulations in the renewable energy market place. The team is made up of experienced panel builders and test engineers to provide an outstanding service with a wealth of knowledge in supplying and commissioning G59 control relays and solutions.



Today the company continues to offer a package of site testing G59/3 relays and custom built control panels. Along with our knowledge of electrical testing and close contact with our G59 engineers to ensure 100% compliance using the latest DVS3 test equipment allowing static set up of protection relays.

Our services include G59, Export Limiter, String Boxes & PV Distribution and we aim to provide:

- **G59/3 Relays**
- **Power Distribution**
- **Export Limiter**
- **String Boxes**
- **PV Distribution**
- **Meter Enclosure**
- **Commission & test for each control panel.**





HIGHNETT
GROUP

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