

ABCL

Power & Control Solutions Limited





ABEL Power & Control Solutions Ltd

Specialists in the design, manufacture and commissioning of integrated solutions for a wide range of industries

ABEL are an electrical engineering and manufacturing company, providing power, control and automation systems for a wide range of industries.

Our dynamic and modern approach means that we are constantly researching and designing new solutions to keep up with developments in manufacturing and processing, as well as enabling our products and services to be accessible to a wide range of customers – from solid and liquid food processing through to MW fossil fuelled power plants.

Our highly motivated workforce, complemented by our experienced commercial and project management team, has seen ABEL continue to grow both in the UK and overseas, with projects completed in the UK, Chile, China, Estonia, Ghana, Ireland, Panama, Romania, Russia and South Korea.



Applications

- Food Processing
- Materials Conveying
- Mining and Quarrying
- Milk and Juice Pasteurising
- Solar Energy
- Packaging Machine Lines
- Bottle/Pallet Conveying
- Electrostatic Precipitation
- Particulate Fabric Filtration
- Bridges/Ports
- Textile Manufacture
- Heat Exchanger/Furnaces
- Airport Baggage Handling
- Machine Safety
- Hazardous Area (Atex/Ex)
- Clean-in-place
- Waste Derived Fuels Handling
- Waste to Energy
- Anaerobic Digestion
- Electrochlorination
- Steel Production
- Aggregates

Our Products

What sets ABEL apart from our competitors is our breadth of knowledge in designing turnkey projects across multiple processes. We take the time to fully understand our customers' requirements and draw from our vast pool of products and experience to deliver the project on time and to specification. Existing packages can be utilised, or totally bespoke solutions created, to suit individual budgets and requirements – all backed up by our excellent customer service.

Turnkey solutions provider across multiple industries

Automation Software

ABEL utilises all mainstream software platforms to deliver automation solutions across a multitude of processes, drawing from our extensive experience or working with client FDSs.



PLC Control Panels

All ABEL Control Panels are fully customised to our clients' specifications, such as stainless steel for hygienic use, high or low IP ratings, stand alone or integrated... All backed up by hardware manufacturers' documentation.



System Integration

Our highly experienced engineers and project managers, with their multi-industry experience, have earned ABEL a reputation as a leading systems integrator – successfully designing, delivering and managing complete projects.

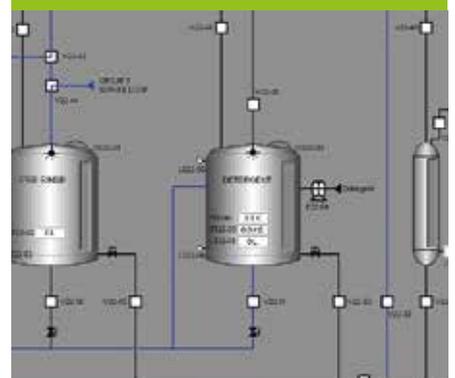


LV Motor Control Centres

Often required for heavy duty load requirements, our LV MCC solutions are fully certified to all relevant IEC and BSEN standards, in forms 1-4 of IEC61439, whether fixed or fully withdrawable.

SCADA Workstations

SCADAs are a useful addition to PLCs and HMIs. They are integrated into a plant's network architecture and offer a graphical representation of the controlled plant – including alarm logging, trending and diagnostics tools.



LV Motor Starter Panels

A more cost-effective alternative to MCCs, these are smaller and simpler but still perform the same function. Housed in either mild or stainless steel they can provide DOL, Soft Start, Reversing, Star-Delta or VSD starter formats.



Containerised Electrical Rooms

Developed by ABEL to save civil and overall commissioning costs, these are delivered pre-wired and pre-commissioned (including services such as heating and cooling) for ease of shipping and installation.



Air Pollution Controls

With over 50 man years of worldwide experience in Electrostatic Precipitation and Fabric Filters, ABEL supplies a complete range of controllers for minimising air pollution, including associated products such as rapper controls and DCS interfacing.

Renewable Energy

A growing market sector, ABEL are a key supplier of specialist energy management equipment for small through to large facilities. This includes G59 Relay panels, distribution and power export limit controls.



Motion Controls and Robotics

Our engineers use their experience in motion control to design extremely accurate and fully compliant positioning equipment, using servos, typically for the food processing industry.

Precipitator Transformer Rectifiers

Designed and built to order by ABEL, with any combination of output voltage for delivering DC high voltage and mA to Electrostatic Precipitators (ESPs).



Power Distribution and Switchgear

To complement our LV and MV MCCs, we provide power distribution transformers which can be cast resin, open air cooled or oil cooled variants, either stand alone or within E-Houses, all with associated protection switchgear.



MV Motor Control Centres

Required for heavy duty load applications, such as mining and sizing machines, these include Arc Protection, power monitoring and management, earthing switches and specialist protection equipment.



Find out more

Visit www.apcsltd.com
email info@apcsltd.com
or call us on **+44 (0) 1777 717670**

Our Services

ABEL offers a complete range of support services. With a large existing installed customer base, it is essential we provide these services to customers, to ensure equipment has longevity in its operation, meaning operating plants remain in service with minimal downtime.



Commissioning

Our engineers are employed for the commissioning of the complete range of on-site equipment, working with process and mechanical engineers, from simple point to point, I/O and power up tests to more complex sequences.



Installation

An integral part of all key projects, ABEL offers containment, power and control cable and data system installation, as well as glanding and terminating, insulation resistance testing and I/O point to point checks.



Support Contracts

Tailored contracts to maintain existing equipment, including PLC and SCADA backups, emergency support cover and scheduled operational and process checks on plant equipment.



Automatic Remote Access

Office based authorised internet access via the customers network of on-site PLCs and SCADA, to identify faults, optimise code and maintain, with reduced necessity for costly site visits.



Modernisation & Upgrades

We tailor our solutions for every situation to help control costs and minimise disruption. These include obsolescence upgrades such as PLCs, motor/starter modernisation and high loss/low efficiency replacements.



Preventative Maintenance

Preventative maintenance is provided to customers to reduce costly unexpected downtime. This includes thermal imaging to identify problem areas, overhauling dated components and upgrading obsolescence.



Technical Support

For technical support please call
+44 (0) 1777 717670

www.apcsltd.com

