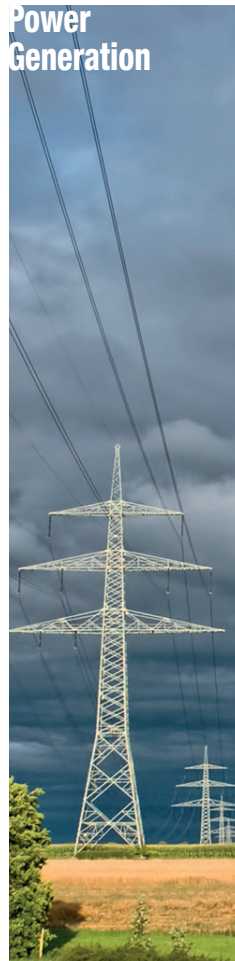


Integrated Process Control & Engineering Ltd.

IPCE

Est. 1982





INDUSTRIES

Established in 1982 and based in Northern Ireland. We have been providing electrical engineering and control system solutions for over thirty years.

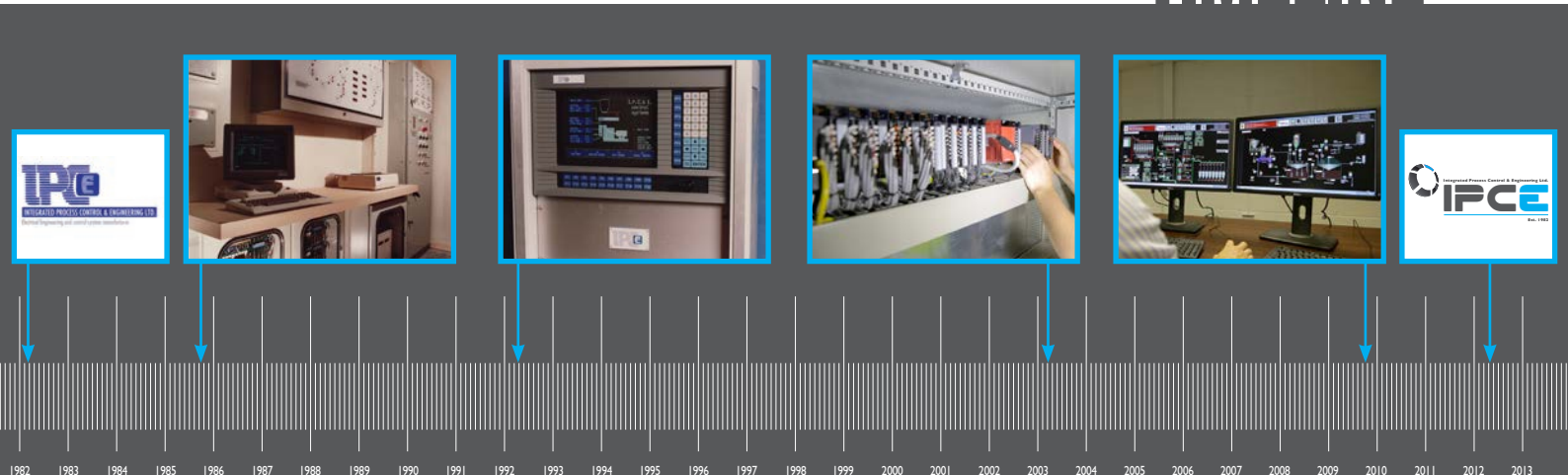
Over our thirty year history we have successfully installed systems throughout Ireland, the UK, Europe, America and the Middle East.

We have a diverse range of clients from large blue chip companies to small family owned SME's across multiple industries and sectors including; but not limited to:

- Bioenergy (Including Biomass, Biogas and Combined Heat & Power)
- Power Generation (Including Coal, Gas and Oil)
- Recycling and Waste Management
- Animal Feed
- Food & Beverage

Full Turnkey Package; We offer a full electrical engineering and control system solution.

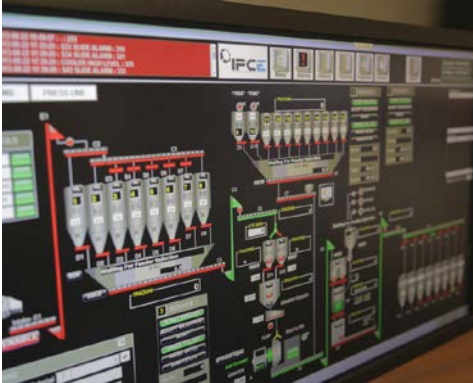
TIMELINE



ELECTRICAL ENGINEERING

We offer a wide range of electrical solutions:

- Complete Factory Installations
- Switchgear
- Transformers
- Containment Systems
- Cabling and Lighting
- Three Phase Power
- Fire Alarm Systems
- Power Distribution Systems
- Air Conditioning, Refrigeration and Ventilation
- CCTV and Intruder Alarm Installation
- Maintenance Contracts
- Complete Inspection
- Testing and Certification
- PAT Testing
- Network Cabling
- Internal, External and Emergency Lighting



SCADA / PLC SYSTEMS

We employ a range of PLC's from market leading manufacturers such as: Allen Bradley PLC5, SLC500, ControlLogix, MicroLogix, Mitsubishi FX-Series, A-Series and Q-Series, GeFanuc, Modicon Telemecanique, Siemens S7.

Typical HMI/SCADA's we use are described below: IPCE iControl, HMI Terminals, Allen Bradley PanelView, Mitsubishi E-Terminals, Telemecanique Magelis.

For larger systems, we would network the PLC's / SCADA's using a variety of comms. We would also set up a network of PCs which would display the appropriate sections of the plant graphically. These PCs would include graphics to display the process, alarms, forces and control pages. There would also be access to engineering parameters. Passwords and security privileges can be set up to limit operator access.

We can communicate to an array of networks.

A selection of the more common networks we regularly encounter are: RS232, DH485, DH+, DeviceNET, Ethernet, Profibus, CC-Link.



MAINTENANCE

IPCE offers a wide range of support services to enhance existing site teams and/or provide an exclusive electrical and/or control system maintenance service if desired.

We provide highly skilled electrical/control system engineers with practical industrial knowledge and experience to meet our customers needs.

IPCE also offers a fast response service in the event of a breakdown. Our team can be on site within an agreed time frame.



CONTROL PANELS

We can build high quality control panels, custom built for all industries. Some examples of common panels are:

- Motor Control Centres
- Electro Pneumatic control panels and consoles
- Operator control panels
- Safety system control and monitoring panels
- LV switchgear
- Power Factor Correction
- Harmonics monitoring and control systems
- Inverter /VSD panels
- PLC control panels



NETWORKING

Category 5 / Category 6 site wiring

- PC installation
- Mail Server administration
- Firewall protection
- Accounting software (Sage, Pegasus etc.)
- General PC support
- Network installation
- General server administration
- Remote access

PROJECT MANAGEMENT

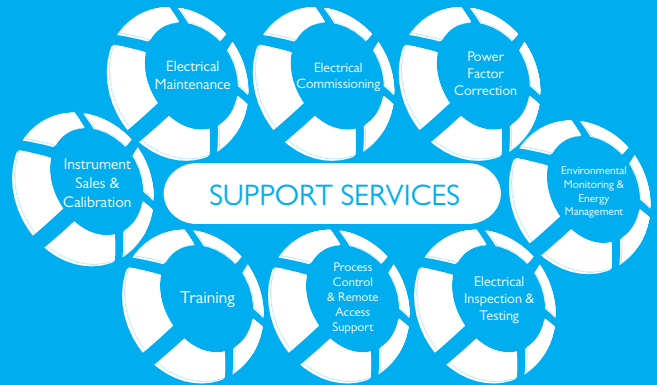
We can offer technical support for specific projects by supplying highly experienced and competent industrial personnel across the Electrical, Controls and Instrumentation disciplines.

That includes:

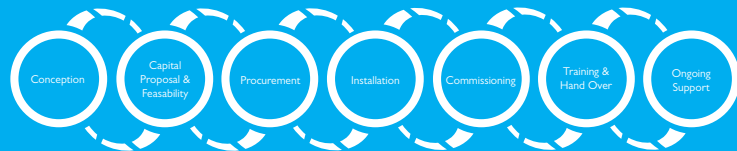
- Industrial Installation Electricians
- EC&I (Electrical, Controls and Instrumentation) Commissioning Engineers
- Electrical Site Supervisors
- Project Managers
- Project Engineers
- Site H&S Coordinators



SUPPORT SERVICES



ENGINEERING DESIGN AND INSTALLATION



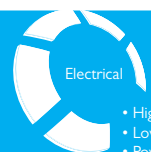
PROJECT MANAGEMENT

Engineering Design & Installation



Control

- In House PLC Software
- Panel Manufacture
- Management Information
- SCADA & Operator Interfaces
- Documentation



Electrical

- High Voltage
- Low Voltage
- Power Cabling
- Data Cabling
- Computer Aided Design

TESTIMONIALS

Land Energy

"It has taken us several years to convert the simple embryo of a great idea and turn that into a fully functioning business. IPCE have been instrumental in this not inconsiderable achievement. From advice on initial feasibility all the way through design/delivery/commissioning and after care. IPCE's key strength is their key staff; they have a fantastic team with an ever present 'can-do and will-do' attitude that is a breath of fresh air and; we would therefore unhesitatingly use them for any future works"

Wellman International

"In the mid 1990s Wellman International Limited undertook to replace the Control System on its Weighing and Batching Plant. IPCE were chosen as System integrators for this project. The System supplied was based on a Mitsubishi PLC interfaced to Intellution SCADA as well as a link to our Management accounts software. In the following years IPCE have been supplying tailor made solutions to Wellman International Limited throughout our Plant"

CPM Europe

"IPCE have provided to CPM complete packages or working as a partner on large projects, they have been involved right through the design and implementation to completion which is always on time, the know how and support is exceptional and IPCE compliments the high quality that CPM also delivers"

Hargreaves Industrial Services

"I would like to take this opportunity to express our sincerest appreciation to IPCE for the services provided to Hargreaves Industrial Services on two of our largest biomass conversion projects at Liverpool Bulk Terminal and Ironbridge Power Station.

IPCE have been extremely diligent and proactive in helping us achieve a quality electrical and control installation - they bring "solutions not problems". The site management team are very keen and eager to assist in all manner of issues faced by the project. Throughout the whole of the project the work was completed efficiently, timely and safely and I can confidently recommend IPCE as a solid and reliable supplier, and experts in their field"

John Thompson & Son

"IPCE have provided Thompson's many control systems and carried out several electrical installations over the last 20 years. The electrical installations have included the construction and supply of starter and PLC panels, as well as the site instrumentation and power wiring. The control systems have covered all aspects of mill production, from weighed blending, volumetric coarse feed production, press control systems and lorry loading.

The equipment and installations have always performed well and IPCE are always competitive for the business"

A SMALL SELECTION OF OUR CLIENTS:





OUR SERVICES

- ELECTRICAL ENGINEERING
- CONTROL PANELS
- IT / NETWORKING
- SCADA / PLC SYSTEMS
- PROJECT / ENGINEERING MANAGEMENT



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