

Electrical Control Systems and Panels

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We undertake control system designs to our client's instruction/requirements. We typically offer the following services:-

(A) Contract Electrical Manufacture

From a supplied design we procure parts and build to your instructions. We undertake a significant number of contract manufactured items for well known manufacturers each year as well as smaller volume runs of 2-3 cabinets per month.

(B) Contract Electrical Design and Manufacture

You supply a specification , we design , procure parts and manufacture the panel.

We can provide electrical designs in Autocad Electrical and Eplan. Our internal embedded software development team can develop, verify and commission embedded software and PLC software for Siemens S7 devices as well as embedded PC units/HMIs running Windows CE and Linux.

(C) Contract Electrical Design, Manufacture and Site Installation

We design, manufacture and install on site. Our electrical engineers are trained to C&G 2382 17th edition.

Designs range from single small pump and motor protection units, star delta starters, multi-cabinet designs with network interfaces, for example fieldbus, RS485 and ethernet. We are experienced in HMIs and motor control applications using multiple servo drives in speed, torque and positional modes. All systems are manufactured to ISO9001:2000. We have facilities to manage manufacture multibay cabinets.

A reliable control panel manufacturer

Practical Control have been succesful in manufacturing electrical control panels in many industries, example applications are listed below:-

- manufacturing production systems
- nuclear flask lid tightening systems
- blending and mixing systems for paints and oils
- chemical and additive dosing systems for road tanker wash bays

We work to the following standards:-

- 17th Edition Wiring Regulations
- Machinery Directive 98/37/EC
- Low Voltage Directive 72/23/EEC
- Our company procedures are derived from Nuclear wiring standards

Our quality is assured from design using the following standardised suppliers parts:-

- Baldor, Lenze, Telemecanique drive controls
- Telemecanique, Siemens contactors, overloads
- Weidmuller terminals
- Amphenol, ITT industries Military specification connectors
- Siemens power supplies