

Control Systems Ltd

*Specialist Control Systems
and Electrical Engineers*

FROM POWER SUPPLY TO PROCESS AUTOMATION

THE SINGLE SOURCE SOLUTION PROVIDER

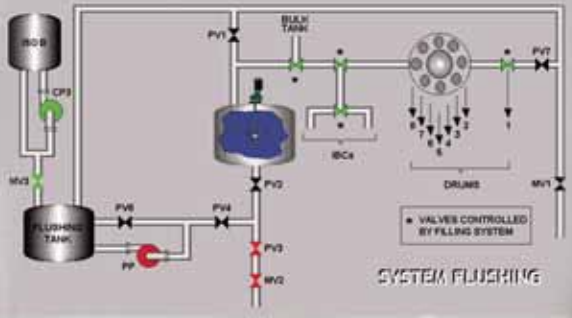
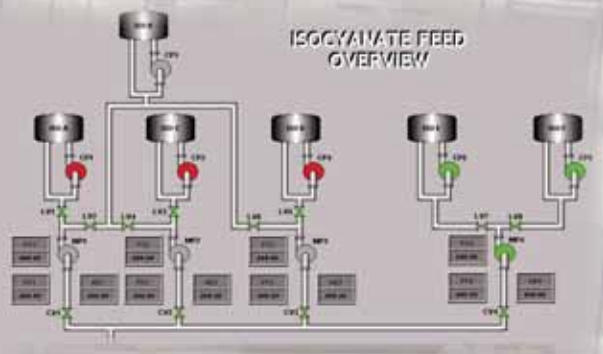
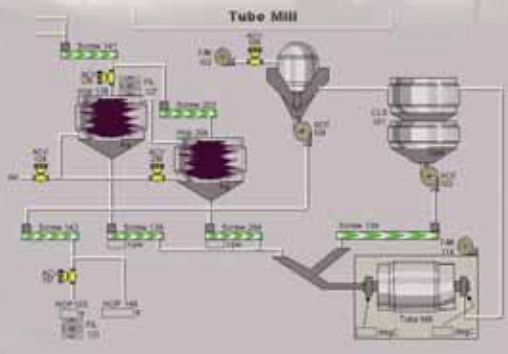
A & R Control Systems Ltd is an established and experienced systems integrator, providing high performance, high specification electrical control system solutions for all types of automated process applications.

We offer a comprehensive, practical, single source solution, from conceptual design to commissioning, including professional after sales support and maintenance.

With over 20 years of experience in electrical engineering design, control system manufacture and site electrical installation, we provide individual solutions, purpose-built for specific applications.

- Electrical control system design utilising AutoCad.
- Full electrical test and reporting service including periodic inspection, minor electrical works and PAT testing.
- Manufacture of all types of control panels including Motor Control Centres, variable speed AC and DC drive panels, starter panels, PLC control panels and power distribution boards.
- Technical sales providing comprehensive engineering proposals.
- PLC, HMI and SCADA system software, developed in house to meet specific project requirements.
- System commissioning, training, maintenance, after sales support and spares.
- Management Information Systems (MIS), Supervisory Control And Data Acquisition (SCADA) packages.
- A & R Control Systems supplies and installs turnkey electrical control system packages throughout the world, with reference installation sites across the UK in various industry sectors.
- High quality site electrical control system installation, offering a fully integrated packaged solution.
- A & R Control Systems is a member of the National Inspection Council for Electrical Installation Contracting (NICEIC), Electrical Contractors Association (ECA) and the Safe Contractor Scheme, ensuring that the highest standards of quality and safety are maintained.
- Professional project management and site supervision.
- Building electrical services, HV and LV distribution, energy management systems, general small power and lighting industrial installations.





SPECIALIST CONTROL SYSTEMS

Whatever your production or machine process, A & R Control Systems provides a practical and professional electrical engineering solution to meet your requirements.

Typical applications include fully automated batch plants, materials handling systems for bulk transfer of powders/liquids/food products and automated process control systems.

All control systems are designed in-house and manufactured in our fully equipped workshops by skilled and experienced personnel.

PLC, HMI and SCADA packages developed for individual project solutions.

ELECTRICAL ENGINEERING

A & R Control Systems specialises in design, manufacture and installation of turnkey electrical packages for industrial and commercial applications.

We provide a comprehensive electrical design and installation contracting service, developed to meet the environmental requirements of demanding applications such as concrete and glass manufacturing plants.

Our site engineering service also includes electrical design and installation of HV and LV power distribution infrastructures as required for larger process systems.

APPLICATIONS

All systems developed by A & R Control Systems are purpose-engineered to suit individual applications, satisfying special site environmental requirements such as hazardous areas, quarries, oil, gas, water, power, glass, food, automotive, concrete, chemical, and pharmaceutical.

Materials Handling: Raw materials handling and preparation, intake, storage, feeding, weighing, blending, mixing, distribution, and packaging.

Process Control: Manufacturing, ovens, heaters, curing, drying, extruding and mixing.

Machine Control: Mechanical device sequencing, robotics multiple axis control and positioning



PRODUCTS AND SERVICES



All products and services supplied by A & R Control Systems are engineered with a commitment to high quality and excellent safety standards, whilst meeting client specific requirements.

Turnkey Systems

Fully integrated control system design, manufacture, installation, software and commissioning.

Control Panels

All types of PLC and instrumentation panels, using proprietary mild steel, GRP, stainless steel or special fabricated enclosures.

Starter Panels

Motor starter panels, variable speed AC and DC drive panels up to 500kW.

Motor Control Centres

ASTA BEAB certified, Form 4 assembly, intelligent MCC's and power distribution boards.

SCADA Systems

SCADA systems, purpose-configured providing graphical plant representation and functional control.

Networking

Device and information networking including multi-level systems.

Management Information Schemes

Instant access to production figures, recipes and maintenance schedules, allowing tracking, monitoring and analysis of "normal" conditions and any deviations.

Site Electrical Installation

Design and electrical installation services in compliance with BS7671.

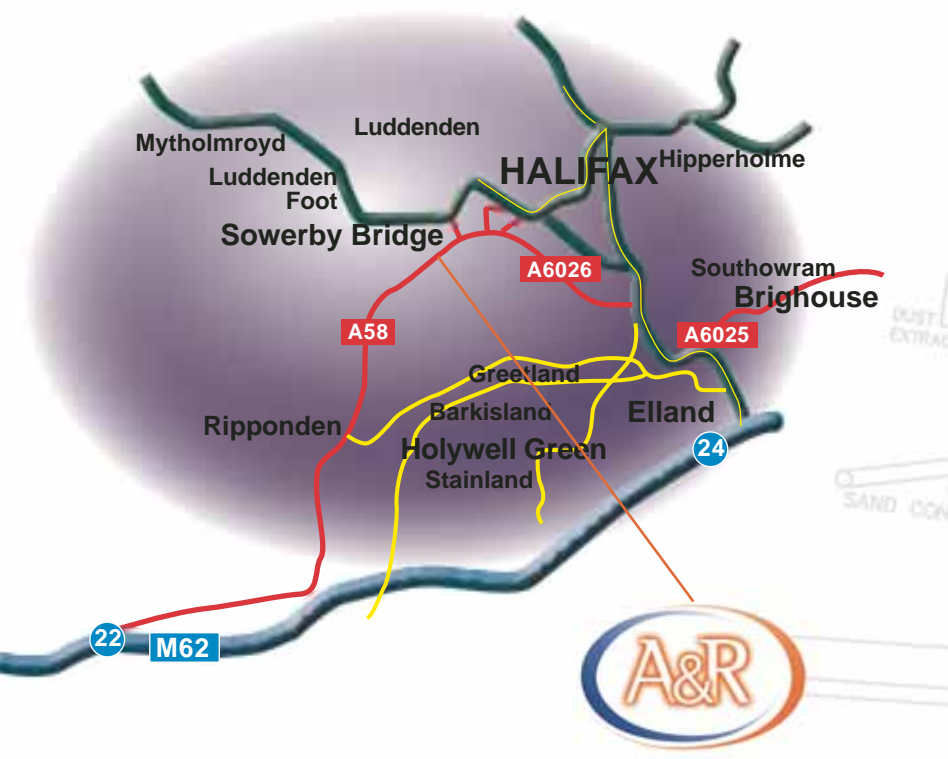
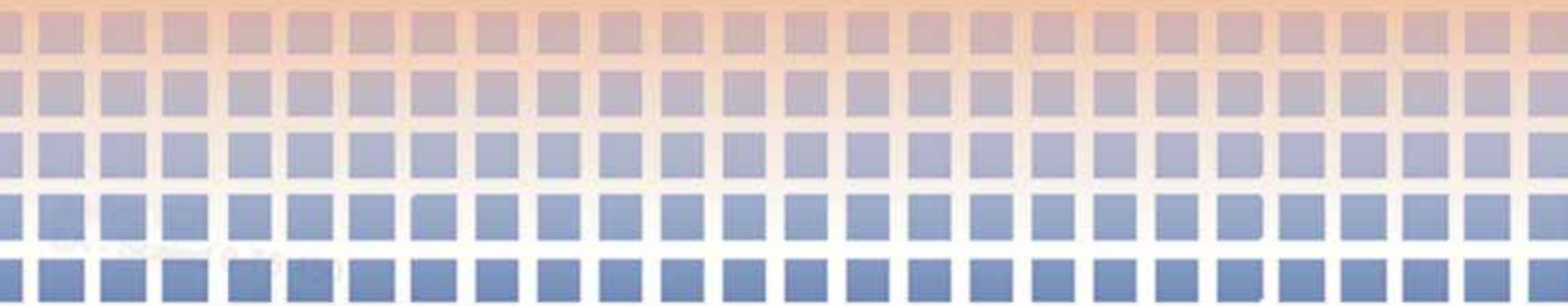
CUBICLE ISOLATOR
100A 3 pole + 1NO Aux's

37kW

Q1 SET @ 66A



Providing fully integrated industrial control system solutions



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