

Drive Control Systems

Transicon provides fully integrated electrical drive control systems to meet the demands of users across the widest spectrum of manufacturing and process industry.

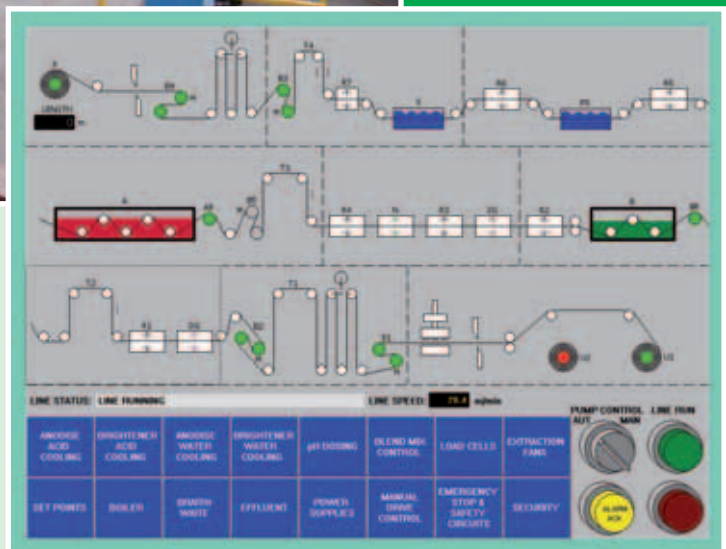
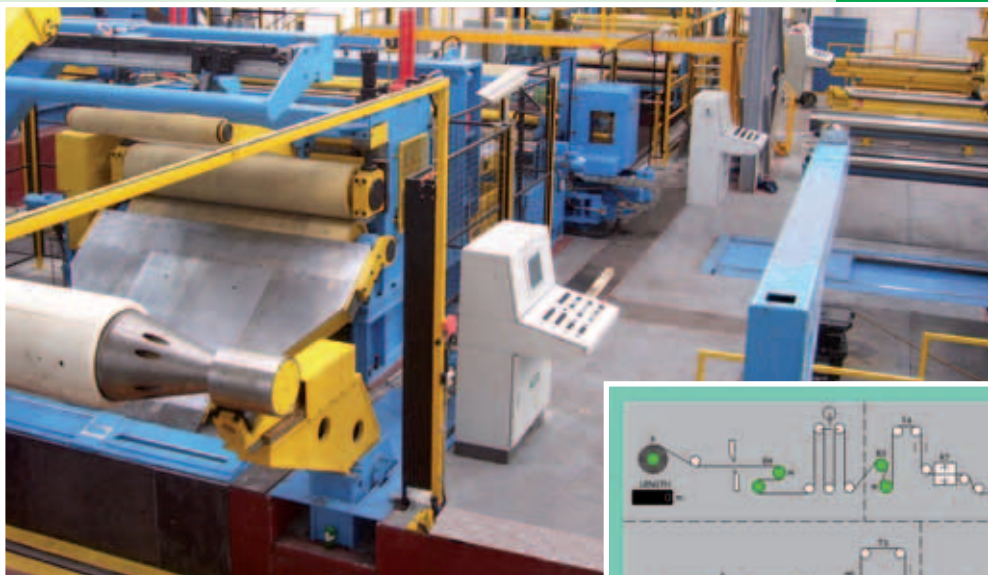
Our comprehensive range of top quality equipment is designed and built to individual customer requirements or specifications. In addition, all installations incorporate proven, state-of-the-art components from leading manufacturers - assuring low maintenance, trouble free operation and reduced lifetime costs.

Proven experience and expertise in the design, build, test, installation and commissioning of integrated electrical control systems underpin our long track record of meeting customers' requirements world-wide.

Typical applications for Transicon control systems include:

- Material slitting, cutting to length and multi-blanking processes
- Uncoiling and recoiling, rolling and coating processes
- Ferrous and non-ferrous sheet, strip, bar and tube processing
- Press feed lines
- Environmental waste and Biomass Energy conversion
- Printing and reprographics industry
- Test rigs
- Brick manufacture
- Mine stabilisation
- Water process treatment plant
- Marine systems / Seabed cable laying equipment
- Upgrade / refurbishment of existing control systems

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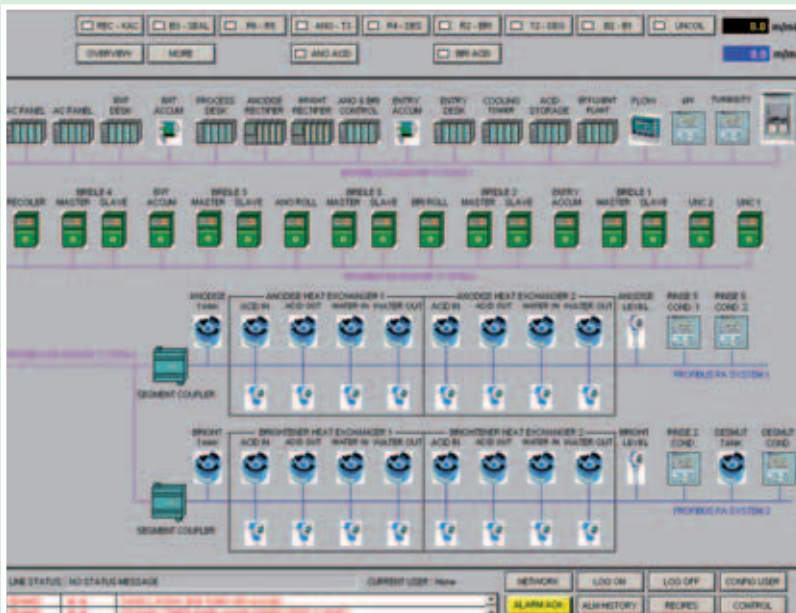
PLC & SCADA Software Programming

Our proven software engineering service is based on many years experience of programming PLCs from the leading hardware manufacturers - ensuring customers' widest application requirements are met.

Transicon offers a wealth of experience in configuring all leading proprietary PLC and SCADA systems, extending from basic HMI packages to advanced level systems.

Used across a wide range of industry sectors, our SCADA software allows processes to be monitored accurately, critical data to be stored and process variables to be adjusted and monitored from a remote source.

In-house developed PLC emulation software enables factory acceptance tests to be undertaken on all software prior to installation - for fast and trouble-free on-site commissioning.



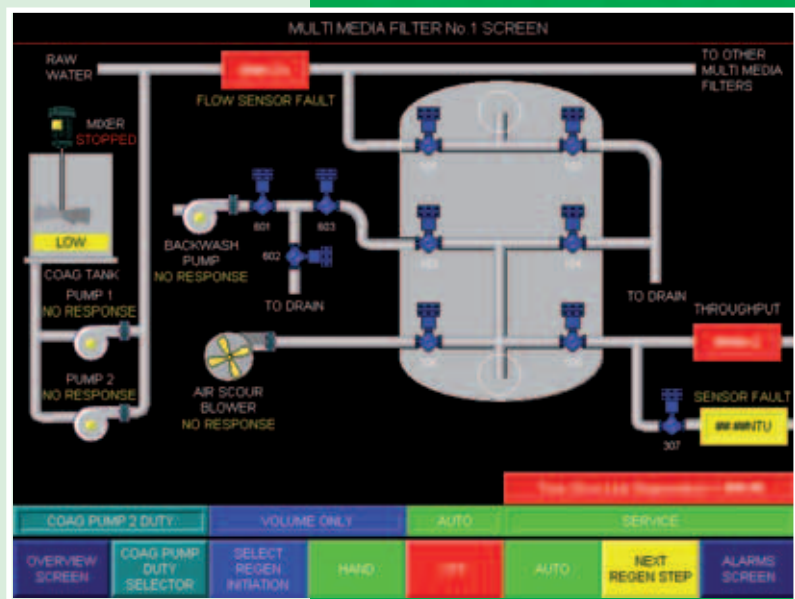
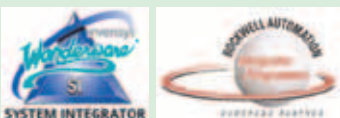
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Our comprehensive software archiving procedures ensure that the customers' latest software is available on request.

In-house software development enables us to increase the efficiency of customers' operational processes – and frequently achieve significant energy cost savings.

Software Partners

Transicon is a Rockwell Automation Authorised Strategic Software Provider and an approved Wonderware System Integrator, ensuring the latest software suite is maintained.



Motor Control Centres & Panels

Transicon's extensive equipment range is designed and built to exacting standards – to meet the most diverse of industrial applications.

Our comprehensive range of top quality equipment is designed and built to individual customer requirements or specifications. In addition, all installations incorporate proven, state-of-the-art components for assured low maintenance, trouble free operation and reduced lifetime costs.

ASTA Certified Fault Rated Busbar Systems.

Partially type-tested assemblies conforming to BS EN 60439 – the internationally recognised standard for low-voltage switchgear and controlgear assemblies.

Multi-Motor Control Centres / Panels

Controls for all motors are positioned in one cabinet, with one or more incoming isolator switches, classed as Form 1.

Units provide a cost effective solution for motor / process control across a range of industries - including automation, conveying, handling and process lines.

Motor Control Centres

Compartmented enclosures, classed as Forms 2-4.

MCCs provide a high level of segregation between functional units, aiding maintenance of equipment and avoiding total plant shutdown.

Low Voltage Distribution Switchboards

Purpose designed and built to meet customers' requirements.

Typical applications include:

- Water process treatment plant
- Quarrying plant
- Parts handling
- Components Conveying
- Dust extraction



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Installation & Commissioning

A comprehensive delivery and installation package is available, using qualified in-house engineers. Our service covers the fixing of panels and cabinets, as well as the supply and installation of power, control, signal and communications cables.

In-house Testing

On-site commissioning time is reduced by rigorous in-house testing of Transicon control equipment prior to despatch. Testing is undertaken using accurately calibrated instrumentation, with all relevant results included in the equipment's test certificate.

Documentation

Full documentation, including test certification, is supplied with all control equipment.



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Commissioning

Transicon's on-site control equipment commissioning service is geared to ensuring complete customer satisfaction and installation acceptance.

Refurbishment

On-site assessment, fault finding and design improvement programmes are available through Transicon's equipment modification and upgrade service.

Upgrade projects enable existing control equipment to be installed with state-of-the-art components, to provide leading edge performance. This service can also be used to ensure that your equipment operates at maximum efficiency.



Enclosure Material

Mild steel, stainless steel and GRP.

Enclosure Protection

Up to class IP66 protection available on a wide range of enclosures.

Finish

Assemblies can be paint finished to any RAL or BS4800 colour.

Access

Cabling access from top to bottom and front or rear. Equipment access for maintenance from front or rear, as required.

Starter Types

All types of starter are available - DOL, Star/Delta, Auto Transformer, Soft Start, Variable speed (AC & DC) and Rotor Resistance.

Components

Components from all major suppliers - including ABB, Control Techniques, Groupe Schneider, Parker SSD Drives, Rockwell Automation, Siemens, Telemecanique and Wonderware - can be specified in line with customer preference.

Form 4 MCC

Fully ASTA certified Busbar systems can be installed with short-circuit ratings up to 50KA/1 sec in IP54 enclosures.

Instrumentation

A comprehensive range of SCADA, HMI and switchboard instrumentation is available.

Control

Both hard wired and fully programmed PLC systems are offered.

Design

Control systems are designed to meet customers' individual requirements. All diagrams are generated using industry-standard AutoCAD Electrical software.

Quality Systems

Certification to BS EN ISO9001:2000; a BSI-registered company.

Testing

Prior to despatch, all equipment is fully tested in-house using calibrated instrumentation.

Documentation

All equipment is supported by detailed documentation.

Commissioning

A comprehensive commissioning service is available.

Installation and Cabling

Complete installation and cabling packages are available.

Refurbishment

Full equipment modification and upgrade services are available - for increased productivity and efficiency.

NICEIC Approved Contractor

NICEIC - the electrical contracting industry's regulatory body, covering electrical installation safety matters throughout the UK.

For further information on Transicon products and services, please contact:

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