

XCS SYSTEMS LIMITED

Company overview

XCS Systems Limited is a young and dynamic company that consists of some of the most respected engineers within the food and beverage filling, packaging and handling industries. We possess a wealth of knowledge gained through many years of experience in the management, design and commissioning of some of the worlds highest speed packaging lines. Our experience has been gained working extensively with most of the 'Blue Chip' companies within the food and beverage industries. We frequently work with a wide range of PLC and SCADA systems utilising most of the current communications protocols. We have a great deal of experience in both centralised and distributed control systems and processes.

Company details

Name	XCS Systems Limited
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Services we can offer

We have extensive experience in all aspects of automated line control including: -

- **Requirements elicitation:** We have the ability to identify and understand, the specific Automation and Control requirements for a given project.
- **Design documentation**
 - **User Requirements Specification (URS):** We can implement your URS or produce document for you.
 - **Software Design Specification (SDS):** The SDS document provides a description of the scope of the PLC software and also provides a foundation for the FDS document.
 - **Functional Design Specification (FDS):** From the requirements elicitation we will produce the FDS document, this document will describe in detail the functionality of the automated equipment and detail interfaces to other systems and machines.
- **Control panels:** We can provide control panels to a very high standard using one of our approved suppliers working to our specifications that will encompass all of your needs.
- **Panel / hardware testing:** Will be undertaken by our engineers and can be demonstrated if required in compliance with current legislative regulations and or specification (which ever is more stringent). All testing will be fully documented.
- **PLC software:** PLC Software specifically written to meet your requirements will be written in house and fully tested. We can provide standard blocks / files, fully tested and documented for you to use on future projects.
- **Software testing:** All software will be tested prior to delivery to site. Full or partial simulation testing can be demonstrated prior to installation.
- **Electrical installation:** We can use our preferred installation contractors or utilise your preferred contractors if required. We offer the service of installation site supervision throughout the project.
- **System commissioning:** We can offer a full commissioning service which covers fault finding, I/O checking, sequence checking and functionality checking to FDS. We can also offer the services of commissioning of existing equipment, commissioning assistance and commissioning / production standby.

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- **Product commissioning:** We can provide production commissioning and system tuning to enhance overall line performance efficiency.
- **Training:** We can provide training for line operators, maintenance and technical personnel to increase familiarity with the line control system and reduce line downtime.
- **Acceptance documentation:** We can provide a full documentation package which can include general arrangement drawings (GA's), electrical schematic wiring diagrams (circuit drawings), PLC printout, FDS and fully documented software on both disk or CD format.
- **Maintenance:** We can provide planned maintenance of new or existing line control systems, recommending improvements and where necessary replacement parts. Line audits to establish efficiency and recommend areas that require maintenance or improvement.

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Summary of Skills

PLC Programming XCS systems have been appointed as a technology integrator for Rockwell Automation. This Programme is by invitation only and is for OEM's that Rockwell have considered more capable utilising their equipment.

Allen-Bradley PLC-2, 5, SLC500 series and Logix 5000 series; Siemens S5 & S7; Texas; GE Fanuc; Modicon; Omron; Mitsubishi; Keyence etc.

Communications protocols such as ASi, Profibus DP, Ethernet, ControlNet, DeviceNet, Data Highway, DH+, RS485 and RS232.

C.A.D High quality drawings using the industry standard AutoCAD®.

SCADA Our Engineers are familiar with most SCADA packages including Rockwell RS View; Siemens WinCC; GE Fanuc iFIX; and Pantech Wonderware.

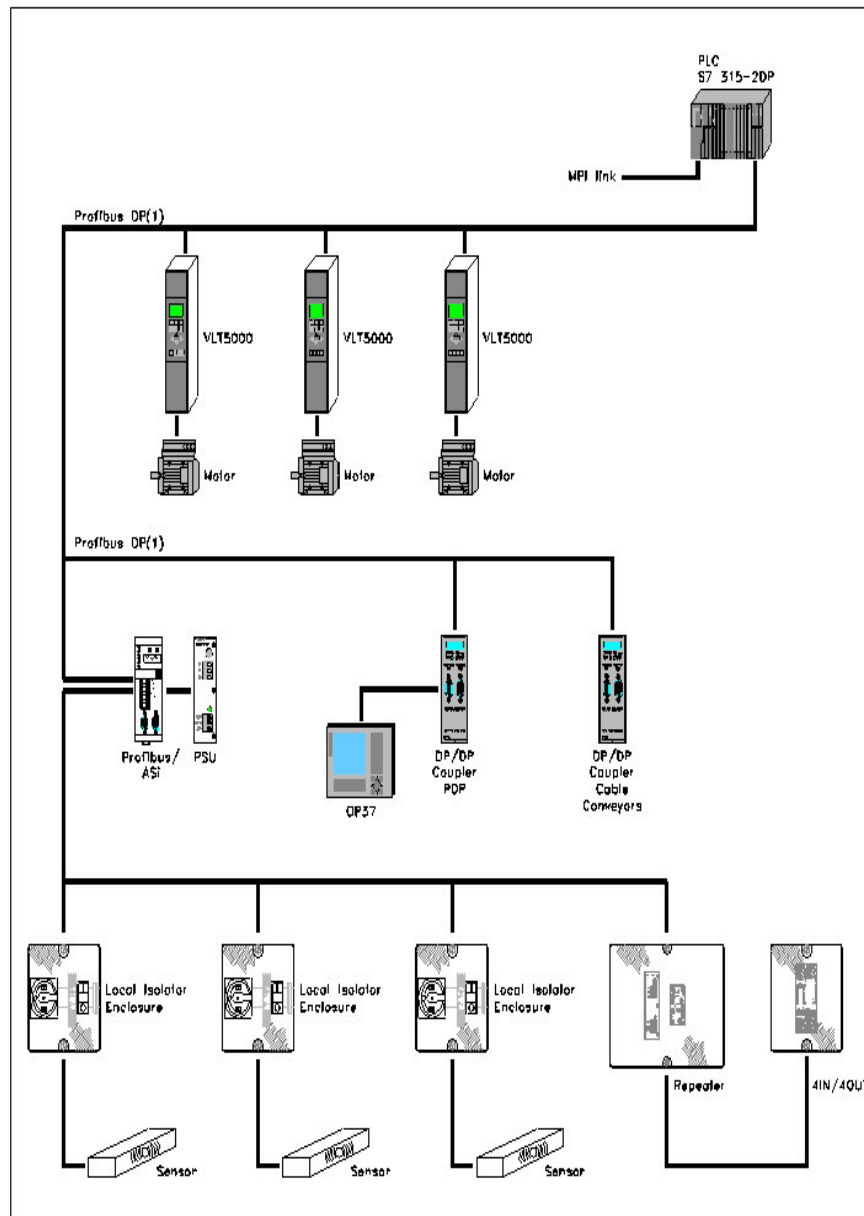
Commissioning Highly skilled, experienced design and project engineers / managers for designing, servicing and commissioning high-speed production lines and machinery.

Engineering A complete service, from writing a URS / FDS, through design, programming, installation and commissioning.

Project Management Project management and contract control.

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Typical Profibus / ASi installation



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QUALITY POLICY

XCS Systems Limited recognises that quality assurance is a vital and integral function in ensuring that we supply equipment and services in accordance with the explicit conditions of our customers order requirements and within the implicit expectations of the industry sector.

XCS Systems Limited further recognises that the responsibility for quality is not limited to those specifically designated to maintain that discipline on their behalf, but that all employees will be trained to fully appreciate its importance and undertake their duties accordingly.

To ensure the Quality Policy is implemented throughout the company's activities a Quality Management System to the standards of ISO9001 has been introduced.

Equipment supplied is assured by applying stringent standards to design, engineering, manufacture, software, documentation and testing, monitoring these aspects as part of our Quality Systems.

We believe these policies will enable us to continue to provide the highest of standard of service and product quality to meet or exceed our customer's expectations.

XCS SYSTEMS LIMITED

United Kingdom charge rates for 2004 to 2005

All day rates are based on standard 10 hour weekday working, additional hours for work and travelling will be charged at the additional hourly rate. Shift working, weekend working and bank holiday working will be charged at 1.5 times the daily / hourly applicable rates.

Any expenses incurred for accommodation, travel and subsistence will be charged at cost, car expenses will be charged at a rate of £0.48 per mile travelled.

A fixed price for accommodation subsistence and travelling expenses can be given if required per day in addition to a given day rate.

Discipline	Day rate	Additional hourly rate
Software engineer	£400.00	£45.00
Commissioning engineer	£400.00	£45.00
Project Manager	£400.00	£45.00
Site based training	£400.00	£45.00
AutoCAD Draughting	£300.00	£30.00
Installation supervisor	£250.00	£30.00
Installation electrician	£200.00	£25.00

XCS SYSTEMS LIMITED

Overseas charge rates for 2004 to 2005

All day rates are based on standard 10 hour weekday working, additional hours for work and travelling will be charged at the additional hourly rate. Shift working, weekend working and bank holiday working will be charged at 1.5 times the daily / hourly applicable rates.

Any expenses incurred for accommodation, travel and subsistence will be charged at cost, car expenses will be charged at a rate of £0.48 per mile travelled.

A fixed price for accommodation subsistence and travelling expenses can be given if required per day in addition to a given day rate.

Discipline	Day rate	Additional hourly rate
Software engineer	£450.00	£50.00
Commissioning engineer	£450.00	£50.00
Project Manager	£450.00	£50.00
Site based training	£450.00	£50.00
AutoCAD Draughting	£350.00	£35.00
Installation supervisor	£300.00	£35.00
Installation electrician	£250.00	£30.00