



SOLUTION WITH EXCELLENCE . . . .



**“Professionals in the automation industry”**

## Company

“Equinox” is a consortium of highly experienced controls and automation consultants.

We are proud to be regarded as “Controls and Systems specialists” providing bespoke and standard design and system integration expertise through 30 years of experience.

Evolved from ‘VP Automation’ a long standing automation and control contractor group, founded in 1989,

Equinox has undertaken a wide range of projects within the UK and overseas, both as sole contractors and sub contractors working on behalf of many automation solution providers and their system integrators.

We define a clear approach and robust solution to our client’s requirements with cost effective and low maintenance operations.

## Approach

### Our Approach

- ✓ **The Customer**
- ✓ **The Knowledge**
- ✓ **The Technology**
- ✓ **The System**
- ✓ **The Support**

At Equinox we believe **the customer** and projects go hand-in-hand and we make all efforts to understand the scope to provide you with systems that truly reflects your business needs.

Our **knowledge** and experience are based on ‘hands on’ industry experience and constantly updated regulations. Our experience enables us to meet specific customer needs, from industrial software and hardware installation to Computer Integrated Manufacturing and Management Information Systems.

With constant training and project experience we are committed to embrace the latest **technologies** as well as support the old.

We don’t just view it as ‘your **system**’, it’s ours too. Whether as front end designers or sub contractors we believe that the projects reflect our abilities, and make every effort to ensure we design and deliver both systems and skills of the highest quality.

We commit to provide you with full documentation, training and **support** for all our projects, both on and off-site.



**Consultancy**

- ✓ Project Management
- ✓ Hardware selection
- ✓ Process Design
- ✓ Troubleshooting

**Contractor**

- ✓ Consultancy
- ✓ PLC
- ✓ SCADA / HMI
- ✓ DCS
- ✓ Commissioning

**PLC Programming**

- ✓ Ladder Logic
- ✓ Functional Diagram
- ✓ Functional Block
- ✓ Instruction List

**SCADA / HMI**

- ✓ FIX
- ✓ InTouch
- ✓ Proface

**DCS**

- ✓ Plantscape
- ✓ ProcessLogix

**Specialist**

- ✓ Diagnostics
- ✓ CIP
- ✓ Batching
- ✓ SPC/SQC

**High Level**

- ✓ C++
- ✓ VB
- ✓ .NET

**Floor-Office**

- ✓ Microsoft
- ✓ Custom Designed

**Commissioning**

- ✓ Delivery
- ✓ Testing
- ✓ Support

**Services**

Equinox prides itself in providing ‘end to end solutions’ right the way from project management and design on to site commissioning and support. In addition to the above services we specialise in Control, Monitoring and Communication software.

Our key services:

**Consultancy**, from hardware selection to process design and troubleshooting, through our expertise we can provide you with the best advice for your new plant, line or system.

**Contractor**, our flexible structure allows us to work as sole contractors and also work in partnership with system integrators. Honeywell Control Systems and Rockwell Automation, to name a few, are companies that we work with regularly.

**PLC Programming**, we’ve been writing PLC programs for over 30 years, so whether your requirements are Ladder Logic or functional chart, we will provide you with thoroughly designed and tested programs, to suit you and your PLC choice.

**DCS**, whichever DCS you choose, let us develop segments or join your team and share our expertise.

**SCADA / HMI**, Equinox takes great pride in the design and development of intuitive and highly effective user interfaces, not only taking into account the system requirements, but also the needs and abilities of the operators themselves.

**Specialist**, we have considerable experience in Diagnostics (both Process Related & Discrete), CIP, Batching, SPC/SQC, Multiple PLC communication and many more specialized fields.

**High Level Programming**, not stopping at PLC’s we also provide programming services from C++ and VB, to .NET

**Floor-Office Integration**, we understand the need to track the plants operations, so whether its data transfer or inventory controls, we can design the best systems for you, integrating with existing practices and applications from Microsoft office to custom designed solutions.

**Commissioning**, we provide full provisions and commitment for both onsite development. We provide system testing, documentation, training and support, right the way from delivery to the final handover. ALL projects completed so far have been commissioned within the estimated timescales and budget.



## Experience

In our experience numerous projects have been completed, with tasks ranging from PLC ladder programming, HMI Graphics, SCADA, DSC applications and High level language programming such as Visual C & C++, Visual Basic and Microsoft applications.

Systems and software have been built in a wide range of Processors including IPC, AB (Rockwell), TI/Siemens, Square D, Omron and Mitsubishi.

SCADA/MIS systems have been designed from FIX DMACS, PlantScape (ProcessLogix), RS View, InTouch Proface and other similar packages.

Equinox has also gained considerable experience in Diagnostics (both Process Related & Discrete), CIP, Batching, SPC/SQC, Multiple PLC communication and many more specialized fields.

### Experience

- ✓ **Anglia Oils**
- ✓ **Warwick Chemicals**
- ✓ **British Sugar**
- ✓ **Ford**
- ✓ **Jaguar**
- ✓ **Rists Ltd**
- ✓ **Tetley's**
- ✓ **BSC**
- ✓ **Pedigree Foods**
- ✓ **Croda Coloids**
- ✓ **VDB&J**

We have highlighted some of our past experience below,

#### **Anglia Oils (Hull)**

AFE Graphics (now Complicity) & IP620 system

#### **Warwick Chemicals**

IPC 620 and COP system

#### **British Sugar**

Versalink AFE, Siemens S5 PLC

**Experience**

- ✓ **Mead Paper**
- ✓ **KAPA**
- ✓ **Corus**
- ✓ **SAPPI**
- ✓ **Conoco**
- ✓ **Coca Cola & Schweppes**
- ✓ **Willet**
- ✓ **Mclaren**
- ✓ **Rocoil**
- ✓ **St.Ivel**
- ✓ **Shell Schooner**
- ✓ **Scott Bader**
- ✓ **Shell Ketch**
- ✓ **Mclaren Manro Chemicals**
- ✓ **BP**
- ✓ **Chungwa Picture Tubes**
- ✓ **Kimberly Clarke**
- ✓ **Samsung SDI**

**Ford (Dagenham)**

AB, Square D and other Systems

**Jaguar (Coventry)**

SPC package & Diagnostics

**Coca Cola & Schweppes Beverages**

FIX SCADA and 620 systems

**Ford (Halewood)**

**Chung Wah Picture Tubes (Taiwan)**

PDP line automation, as sole contractors provided complete automation conception-completion (design, development, testing, commissioning, support) using Mitsubishi Q Series PLC, ICONIX SCADA system.

**Kimberly Clarke (Barrow In Furness)**

Paper Mill plant, Contractors on behalf of Rockwell Automation. Process Logix DCS on Allen Bradley System. Programming, testing, commissioning and support services supplied.

**Samsung SDI (Korea)**

PDP line automation, as sole contractors provided complete solution and automation management of Mitsubishi Q Series PLCsystem. 3 PLC networked system, Mitsubishi multi -axis servo system, Profibus Communication, CC-Link Communication, Melsec NETH Network, Ethernet Communications, Proface Operator Interfaces.

## Why Choose Equinox?

As the need for optimised solution for the desired process is rapidly advancing towards system integration and the contractor market within this field increases with as much haste, one must ask: "Why choose Equinox?"

- ✓ Over 30 years of in-house automation experience
- ✓ broad industrial experience encompassing a broad spectrum of industrial applications and technologies
- ✓ The ability to provide 'complete automation solutions' from project management and design to on site commissioning and support.
- ✓ Not merely PLC, SCADA or DCS experts, but also specialists in Diagnostics, Control, Monitoring, Communication software.
- ✓ Independent PLC vendor, and therefore have an extremely wide range of expertise in both PLC types and industrial applications.
- ✓ Flexible structure permitting contracts and partnerships with system integrators.
- ✓ Have a proven track record of successful delivery and timed completion.

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