

SERVICES



Control systems integration

Whether you require a system upgrade, expansion or an entirely new installation, our technologically advanced control systems will ensure a system design of the highest quality. With over 100 people dedicated to PLC, SCADA and industrial management systems, Cougar Automation has grown to become one of the largest control and automation system integrators in the UK.

We provide a array of control and automation solutions across a wide range of sectors.

PLC, HMI and SCADA

Industrial IT

Cloud services

Remote monitoring



Cyber security for control systems

Industrial Control Systems can be particularly vulnerable to cyber-attack as they often were installed when cyber security was not considered an issue of concern. Unfortunately, today, threats to industrial control systems can occur surprisingly easily and may come from a targeted cyber attack, malicious insider or human error via anything: an infected USB stick, default/weak passwords, insecure remote access, or a phishing emails.

The results of an attack can include loss of assets and revenue, loss of production, reputational damage, and breach of data. If the control system is compromised, this could also be a threat to human safety and life. Our expert knowledge of control systems and cyber security means that we can work with you to implement robust security measures appropriate for your production environment.

Cougar Automation will provide a fixed-price survey of ICS assets and a security-risk assessment that can then be used to prioritise technical defences and policy development.

Development of a Cyber Security Program

Risk assessment

Secure network design

System hardening

Intrusion prevention/detection

IEC 62443 guidance

Cyber security awareness training

Development of policies and procedures



Functional safety

As regulatory and client demands become more exacting, the functional safety standards BS EN 61508 and 61511 are an increasing contractual requirement. Therefore, to ensure that we meet and exceed your needs, and to demonstrate our compliance, it's essential that we can demonstrate our functional safety capability. To achieve this, we operate a Functional Safety Management System that has been developed and documented as a Code of Practice with associated procedures and templates.

Our experienced TÜV-certified engineers are ready for consultation, system integration and SIL verification.



Internet of things

At Cougar Automation, we will tailor a programme based on “the Internet of Things (IoT)” to create a sensory-led system that can be controlled and managed both remotely and locally on-site. Data can then be accessed historically and in real time to achieving these opportunities.

Removing inefficiencies

Highlighting new business opportunities

Managing downtime

Identifying workforce skill gaps

Improving production rate

Reducing expenditure

Increasing safety and internal communications



24/7 Support

Whether you're looking to have emergency support on hand or want on-going proactive support, we have a service option for you.

24 hours/7 days a week

Separate team that is always available

Full system and application support

Guaranteed response times

Experienced engineers who care about resolving your problems



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