

## Siemens Control System Integrator For Safety Integrated Factory Automation. EN ISO 13849 & IEC EN 62061.

Newfield Automation Limited was established in 1989 and has a proven record in providing its clients with system solutions on time, within budget and in particular to meet the latest Functional Safety Regulations.

Newfield has been supplying Functional Safety Systems to a Prestigious Customer Base for many years and are recognised by Siemens as a Control System Safety Integrator.



### Functional Safety

- All Automation Systems are required to operate in a Safe Manner.
- Legislation on Safety Requirements is evolving, as are the products available in the Market Place.
- Complex Automation Systems require the Safety System to be fully integrated.
- New Standards allow the usage of EN 13849-1:2008- Safety-related Parts of Control systems, IEC 62061:2005+A1:2013: Safety of machines.

### Requirements

- Companies are required to prove that a full safety evaluation and installation has been carried out.
- Safety should have a minimum impact on production. Modern Safety systems require documentary evidence that the system was not only correctly installed, but is also suitably maintained.



Safety Integrated

SIEMENS

Solution Partner

Automation

SIEMENS

***“Newfield Automations approach uses a formal structured methodology which has been applied to many successful Automation Projects”***

### **The Solution**

- Carry out a full Risk Assessment.
- Always select the correct components
- Always install to the manufacturers guidelines
- Maintain the system and keep system and maintenance documentation up to date.
- Always use a Manufacturers fully approved Safety Integrator.



### **Safety Engineering**

- Planning and Engineering of a Machine or Plant/System.
- Commissioning of the Safety Systems

### **Safety Checks**

- Review of existing measures and their compliance with relevant Safety Standards
- Re-validation of Functional Safety provisions
- Safety Health Check, using regular testing procedures.
- Define safety clearances and distances according to EN 999.

### **Hardware**

For the design and implementation of the Safety System we would utilise the full range of Siemens Safety devices in conjunction with other manufacturers hardware.

The final choice of hardware will be chosen to match the safety requirements and would be fully agreed with the client.

### **Safety Consulting.**

- Consultation and support relating to the safety of machinery in compliance with European Standards.
- Carry out hazard analysis and risk assessment.
- Consultation and Support regarding measures to minimize risk.

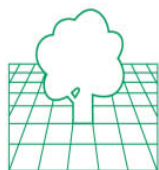
### **Contact Details.**

[www.newfieldautomation.com](http://www.newfieldautomation.com)

E mail.  
[Sales@newfieldautomation.com](mailto:Sales@newfieldautomation.com)

**Newfield Automation Ltd**  
Brook Lane  
Astbury  
Congleton  
CW12 4TJ

Tel: 01260 282200



**NEWFIELD AUTOMATION**  
SPECIALISTS IN INDUSTRIAL CONTROL SYSTEMS

**&**

**SIEMENS**

**Your Partners In Functional Safety Integrated Automation**