

# LC Automation - leading experts in Machinery Safety

Over the past 29 years, LC Automation have built an enviable reputation as one of the UK's leading technical distributors and experts in Machinery Safety.

We don't just supply the widest range of high quality products from many of the world's leading brands. We also provide comprehensive backup, support and customer service that is second to none, in fact we have also been appointed as Siemens Technical Partner for AS-interface *Safety at Work*.

LC Automation have always paid attention to our customers' individual needs, setting ourselves apart from 'traditional' distributors by offering a range of services (see overleaf), from training and consultancy to systems integration and installation, we can provide the level of service to suit your requirements.

LC Automation also boast full UK coverage, with offices in Preston, Sunderland and Chippenham along with a team of experienced field sales engineers ensuring that wherever you are in the UK, a technical expert is never far away.

For further details about any aspect of LC Automation's 'Complete Safety Service', call our Preston Head Office on 01772 334951, Sunderland Office on 0191 5497377 or our Chippenham Office on 01249 460099.

 **LC Automation**  
control & safety



**EUROTHERM  
CONTROLS**



**SCHMERSAL**

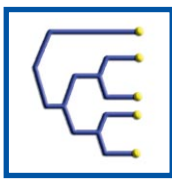
**SICK**

**SIEMENS**



# LC Automation's range of Machinery Safety Services

LC Automation can provide a number of safety service modules (which are outlined below). We can provide each of the services individually, or in any desired combination to compliment your own expertise, and project management requirements.



## Machinery Risk Assessment

A Risk Assessment is carried out to identify any potential hazards and evaluate the risk of injury to personnel. This will provide a general identification of the control measures needed to reduce the risk to an acceptable level. This work is carried out in accordance with ISO EN1050 'Safety of Machinery – Principles for Risk Assessment'.



## Safety Requirements Specification

This involves specifying a suitable safety related control system which meets the functional safety requirements, i.e. the functional requirements and the safety integrity requirements that were identified during the risk assessment.



## Safety System Design

Management of the design for the safety related control system is implemented. This includes selection of the system architecture, safety-related software and specific safety devices. Documentation is produced giving verification that the design meets the functional safety requirements.



## Safety System Manufacture

The complete safety system is supplied, and any subsystems manufactured and tested in accordance with the design documentation. This includes building control panels and safety network configuration and programming.



## Safety System Installation and Commissioning

Installation and commissioning of the overall safety system is undertaken. All safety devices, control panels and safety networks are installed in accordance with applicable specifications and network rules.



## Safety System Validation

Provision of a fully documented validation of the installed safety system. This ensures that the completed safety system achieves the correct level of functional safety which was identified during the risk assessment and safety requirements specification.