

Applied Integration UK Ltd

TOTAL INTEGRATED SOLUTIONS



total integrated solutions

safety critical systems | turnkey control solutions
maintenance | panel shop | consultancy | tailored training

delivering
cutting edge
solutions to
21st century
industry



Welcome to Applied Integration UK Ltd...

.... one of the UK's leading independent systems integrators delivering cutting edge solutions to the 21st century industry. Specialising in safety critical systems, turnkey control solutions, consultancy, maintenance and system training, our engineers support a wide range of customers across a number of industrial sectors. Applied Integration UK Ltd has the in-house technical expertise to design, develop, manage and deliver solutions tailored to our clients' individual needs, helping many companies reduce costs, improve safety and increase plant efficiencies. Listening to our clients' needs and understanding their goals provides the basis for a successful project, allowing us to provide the most cost effective technical solutions with exceptionally high quality standards.



Applied Integration UK Ltd is fully committed to delivering solutions in accordance with our project lifecycle and quality management procedures which are backed by ISO 9001:2000 quality certification. Our project lifecycle has been developed to consider the planning, control, status accounting and verification of a project and includes procedures designed to ensure compliance with GAMP 4 for projects in the pharmaceutical industry.

Applied Integration UK Ltd specialises in Functional Safety and as such operates a class leading Functional Safety Management system that complies with IEC 61508 and IEC 61511.

maintaining
a high standard
of system design,
product quality and
customer service



Services

Applied Integration UK can offer its clients a wealth of knowledge and experience within the following areas:

- System Development
- Knowledge of all leading PLC/DCS systems
- Knowledge of all leading SCADA/DCS systems
- Safety Critical Systems
- Hazardous Area Applications.
- Turnkey Solutions complete with panel design & build, installation and commissioning.
- Maintenance
- Consultancy - feasibility studies, system evaluations etc.
- Training Services - these can be tailored to your specific needs.



Servicing a wide range of industry sectors including:

- Defence
- Marine
- Oil and Gas
- Chemical & Petrochemical
- Building Management Systems
- Power
- Pharmaceutical
- Metals

class leading
approach
to functional
safety



Safety Systems

IEC61511/61508

Within the United Kingdom process industry sector BS IEC 61511 and its parent standard IEC 61508 are recognised by the Health and Safety Executive (HSE) as relevant good practice for functional safety of safety instrumented systems (SIS). It is HSEs' view that if the requirements of IEC 61511 are met, and thereby it can be demonstrated that the risks under the control of safety instrumented systems have been reduced to a level that is as low as reasonably practicable 'ALARP', enough will have been done to comply with UK law so far as safety instrumented systems are concerned.

The Safety Integrity level (SIL) is a measure of the integrity / robustness and the ability of the SIS to withstand systematic failures and is based on the severity and frequency of previously identified hazardous events (HAZOP) specific to the plant that we will design the SIS to protect.



Through the Applied Integration functional safety management (FSM) system we apply the techniques and measures in BS IEC 61511 / 61508 to provide assurance to our clients that the SIS is fit for purpose and will achieve the target SIL.

Quality is not an act, it is a habit. We pride ourselves on high quality and on time delivery



panel shop

We are a leading independent manufacturer of electrical/pneumatic panels, designing and building for the defence and industrial markets. We offer flexibility and scalability, from the smallest junction box to intelligent motor control centres to full automation control panel suites.

We can provide full 3D design, bills of materials & electrical schematic integration or simply building from our customer's existing drawing sets. Each panel is fully tested prior to shipment, offering our customers the opportunity to complete client-witnessed testing.

Alternatively, testing can be completed on behalf of the customer, delivered to site with full certification of conformance, saving time and money but knowing that a quality product is being delivered.

Get in touch with your query and we'll be back in touch.



- The design and installation of control, power and automation systems with accreditation for 21st Century Supply Chains (SC21) and ISO9001
- Manufacture of electrical control panels (MCC, PLC and SCADA)
- Proven experience of delivering 'commercial off-the-shelf' (COTS) hardware into harsh military environments

From concept to completion, offering turnkey defence and industrial solutions

consultancy and design
services, backed up with
tailored training courses
specific to your
application and needs



consultancy and training

Applied Integration UK Ltd can offer its clients a number of consultancy services:

System Specification / Requirements

Developing system specifications/requirements according to your specific workflows and operations. Specifications can be produced for all automation aspects including hardware, software, instrumentation, industrial networking and other system components.

Technology Evaluations

Taking into account your system requirements, our engineers use their knowledge and experience to evaluate possible system solutions. We solicit product demonstrations and facilitate product comparisons based on these requirements. These solutions are evaluated using a given set of criteria. The results are then presented in an evenhanded manner, enabling you to make an informed decision.



Site Systems Evaluations

Legacy systems can exist as isolated "islands of automation" as can manual operations. These situations require a systems evaluation to determine the most cost effective path for merging/migrating the systems into an integrated and maintainable system.

Tailored Training

Offering a wide range of training courses for all major PLC, SCADA and DCS systems. These are held at our conference facilities, or on-site if required. Courses can be tailored to your specific requirements, ranging from system overview to full engineering training.

delivering cutting edge solutions to 21st century industry

- IEC61508/61511 TUV Trained Functional Safety Specialists with a class leading approach to safety
- Extensive experience in development of High Availability, Fault Tolerant and Critical Control Systems
- A full suite of project services for every industry sector
- Totally independent, unbiased presales advice and consultancy
- Risk minimisation with a proactive, lifecycle approach to obsolescence and migration
- Fully traceable solutions utilising latest version control techniques
- Scalable 24/7 Preventative Maintenance and call out services
- Cost effective, tailored training solutions



Applied
Integration UK Ltd

TOTAL INTEGRATED SOLUTIONS

Pulrose House
14 Ellerbeck Way
Stokesley TS9 5JZ

tel: 01642 717555
fax: 01642 717556
email: sales@appliedintegration.co.uk

www.appliedintegration.co.uk