



PEAK₄₂ limited

Experts in Process Control and Automation



Systems Integration



Consultancy



Performance Management

Peak42 is a team of professional engineers based in the Daresbury Science and Innovation Campus, specialising in Process Control and Automation.

With our extensive knowledge of the automation industry, we provide cost effective solutions and the efficient delivery of associated services.

We pride ourselves on a value based service and on maintaining the highest level of professionalism and integrity.

Peak42 places the highest importance on the health, safety and well being of our employees, sub-contractors and clients.

We are an ISO 9001:2000 accredited company and a Microsoft Registered Partner.



Systems Integration: - Cost effective automation solutions to meet the control and monitoring requirements of modern and legacy process installations.



Consultancy: - The use of our knowledge to support our Clients before, during and after the implementation of automation projects.



Performance Management: - A range of innovative product based solutions and project services to help our Clients optimise their process performance and generate savings.

Industries Served:

We use our expertise to develop solutions tailored to comply with a wide range of industries including:

- Pharmaceutical and Fine Chemical
- Utilities – Water, Power and Gas
- Manufacturing
- Food
- Oil and Gas



Systems Integration

At the core of our business is the full lifecycle design and implementation of control and automation systems.

- **Design:** Functional and Software documentation meeting the needs of the application.
- **Development and Testing:** PLC/DCS application, Platform Build, SCADA/HMI configuration and scripting, Data Historian, MIS/Reporting, Network configuration.
- **Instrumentation:** Instrumentation Specification and Loop Design.
- **Panel Design and Testing:** Panel Design and Sub-Contract Management.
- **Site Installation and Commissioning:** All required site activities planned and carried out safely.
- **Validation Documentation:** Validation Protocols and evidence.
- **Support:** Assets Management and site support.
- **Project Management:** Ensuring total control through the life-cycle of the project.



Consultancy

Drawing from a wealth of experience we are able to offer our clients the value of our knowledge.

- **Asset Survey:** Assessment of existing systems for performance review, system expansion or asset replacement.
- **System Specification:** Front End Engineering Design (FEED) to detailed system specification including scheme definition, budgeting and feasibility studies.
- **Embedded Engineering Support:** Enhancing the client's engineering team during all phases of the project lifecycle with the benefit of full Peak42 company support.
- **Validation:** Computer Systems Validation Services for regulated industries.
- **Contract Tendering:** Control and Automation representation to assist with the proposal, costing and presentation.
- **Training:** Class-based bespoke automation training delivered at our Daresbury Training Facilities or on site.



Performance Management

Our automation expertise is applied to develop a client specific monitoring strategy and provide a range of solutions to improve performance and asset utilisation.

- **Energy Management:** Monitoring of energy consumption and development of targeting strategies based on a cost effective use of both package monitoring systems and existing control system assets.
- **Advanced Process Control:** Integration of Advanced Process Control (APC) software packages with existing control systems for the application of multivariable and non-linear control solutions.
- **Management Information System:** From the simple generation of management reports using existing control systems assets through to the implementation and analysis of site wide data centres.
- **Industrialisation of Science Based Innovation:** Utilising our partnership with cutting edge technology groups within the Daresbury Science and Innovation Campus, we continuously explore innovative solutions our clients can use to benefit their business.

Our years of experience have shown that the purchase of the latest in software and technology does not guarantee a top-performing automation system solution. Quite simply it is the quality of the people integrating the two. Our philosophy is straightforward – Peak42 is committed to providing superior consulting and technical services for our customers. We strive to deliver results that exceed expectations, provide substantial value and are on time and within budget. We do this by providing the latest industry knowledge, combined with appropriate tools and methods, continuous management support, superior project management skills, comprehensive implementation plans and an approach that facilitates full knowledge transfer using highly skilled consulting and technical services staff.

Engaging with Peak42

Meeting the demands of modern business frameworks, we generally provide our services through the following channels:

- Engineering Process Contractors
- End Users
- Solutions Providers
- Engineering Consultants
- Process Package Suppliers

We welcome any opportunities to discuss how Peak42 can support your business.



For more information about Peak42

Peak42 is based in the Daresbury Science & Innovation Campus, one of only two national Science & Innovation Campuses in the UK. This enables us to draw from a rich knowledge seam provided by the rapidly growing network of hi-tech companies and the world class expertise of the Daresbury Laboratory.

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