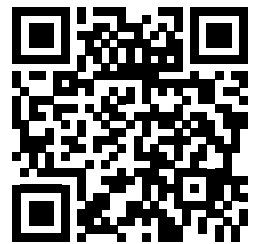




2026-2027 TRAINING BROCHURE

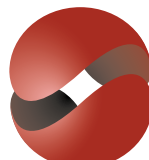
CONTROL SYSTEMS | INDUSTRIAL IoT | ELECTRICAL | BUSINESS | IT



APPROVED
CENTRE



ISO 9001
QUALITY MANAGEMENT



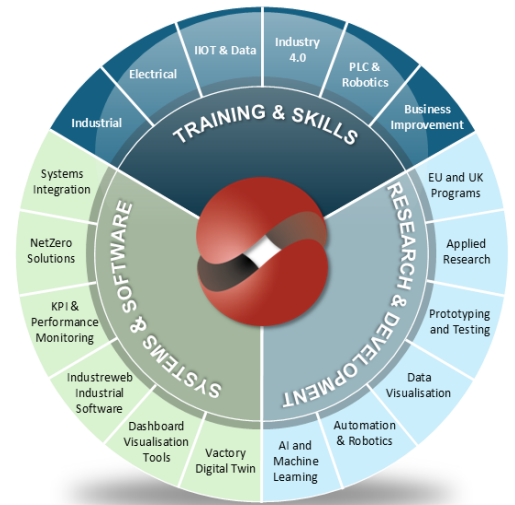
CONTROL 2K
everything in control

Welcome to Control 2K

World class application-based industrial training for manufacturing and process industries.

Control 2K is a specialist industrial training provider dedicated to developing highly skilled professionals across industrial, electrical and data engineering disciplines. With a strong emphasis on quality, precision and real-world application, we deliver training programmes that equip individuals and organisations with the technical expertise required to operate, maintain and optimise modern industrial systems.

Our courses are designed and delivered by experienced industry practitioners, ensuring that every module reflects current standards, emerging technologies and best practice. From foundational principles to advanced engineering concepts, we combine theoretical understanding with hands-on learning to build competence and confidence in complex environments.



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BENEFITS OF INDUSTRIAL TRAINING

Reduced Downtime: Minimise downtime with well-trained employees who can quickly diagnose and resolve equipment issues.

Proactive Maintenance: Train your team in predictive and preventative maintenance techniques, reducing unexpected equipment failures and maintenance costs.

Increased Equipment Lifespan: Extend the life of your machinery through proper use and maintenance practices taught during training.

Faster Problem Resolution: Equip your workforce with the skills to quickly identify and fix issues, leading to faster problem resolution and less production downtime.

Real-Time Monitoring: Train staff on the use of real-time monitoring systems to promptly address inefficiencies and maintain optimal performance.

Compliance and Safety: Ensure your team adheres to industry standards and safety regulations, reducing the risk of accidents and legal issues.

Customisable Programs: Tailor training sessions to address specific challenges and goals unique to your organisation.

Cost Efficiency: Reduce operational costs in the long run by minimising errors, downtime and staff turnover through effective training

Improved Quality: Enhance the quality of your products and services with well-trained employees who understand best practices.

POPULAR COURSES

DAYS **PRICE***

Control Systems	8	£1,900
Industrial Electrical	8	£1,900
Siemens TIA Portal PLC	4	£1,300
Fluid Power	3	£800
2382-26 City & Guilds 18th Edition Wiring Regulations	4	£790
2377-77 City & Guilds Level 3 Award in Portable Appliance Testing (PAT Non Electrical Personnel)	2	£550

SUPPORT & FUNDING

Thinking About a New Career?

Are you an individual looking to re-train or pursue a new career?

Not sure what courses you need to take to achieve your engineering ambitions?

Talk to our Training Coordinator to discuss your funding and support options. We can help you find the right course for your goals. Whether you are ex-Armed Forces, facing redundancy, or simply looking for a career change, we can provide advice and guidance to help you become the professional engineer you want to be.

Call our training centre on **01656 646404** to discuss courses, funding, and support options.

***All prices are subject to VAT at current rate.**

WHICH COURSE IS RIGHT FOR YOU?

With a wide range of courses offered by Control 2K, it is important to plan your training journey and follow the best pathway to suit your needs.

We have made our popular courses easier to navigate, to gain knowledge of fundamental principles and develop your skills in order to progress onto our higher level courses.

Who is the course for?

CONTROL SYSTEMS	INDUSTRIAL ELECTRICAL
Individuals who need to have a good understanding of a broad range of control systems and want to progress onto further controls courses such as specific PLC courses	Individuals who need a comprehensive understanding of industrial electrical systems, fundamental electrical principals and electrical maintenance

What topics do the courses cover?

CONTROL SYSTEMS	INDUSTRIAL ELECTRICAL
Health and safety, legislation and regulations and safe isolation (LOTO) Fundamental electrical principles Generation and distribution of electricity Basic electrical control circuits including protective devices, relays, contactors, switches and sensors Reading electrical schematics and understanding electrical symbols Motors, motor control methods and actuators Electrical measurement and test instruments Fault finding techniques and methodology Panel wiring and control circuit construction	Cable selection and installation Analog sensors and instrumentation Replacing electrical components Preventative maintenance of electrical systems
Pneumatics and electro-pneumatics Introduction to PLC control systems Basic PLC ladder logic, online monitoring and editing Control systems integration	

CONTROL SYSTEMS COURSES

	REF	DAYS	PRICE*
Control Systems This 2 week course comprises of Control Systems - Foundation INDR2040 and Control Systems - Intermediate INDR2050. This course has been developed to improve the knowledge and essential skills of personnel who will be expected to understand, repair and/or modify control systems typically found in industrial equipment in manufacturing and engineering facilities. Covering topics such as fundamental electrical principles, three phase theory, control power, relay logic, reading electrical schematics, motors and motor control, fault diagnostics and introducing PLC control systems. <i>This course is a perfect primer for our more advanced PLC courses.</i>	INDR3060	8	£1,900
Control Systems - Foundation This course introduces the fundamental principles of industrial control systems including topics such as pure pneumatics and electro-pneumatics, which are all delivered via practical hands-on exercises.	INDR2040	4	£1,200
Control Systems - Intermediate This intermediate level course further develops the control systems comprehension acquired during the Foundation course through practical panel wiring learning exercises.	INDR2050	4	£1,200

*All prices are subject to current VAT rate.

Contact us via **01656 646404** or **training@control2k.co.uk**, or visit **www.control2k.co.uk**

CONTROL SYSTEMS COURSES

	REF	DAYS	PRICE*
Fluid Power A hands on approach designed for maintenance engineers, technicians or operators to improve efficiency, maintenance and fault finding. This course delivers a basic understanding of pneumatic, electro-pneumatic and basic hydraulic systems systems, equipment, symbols and drawings.	INDR1020	3	£800
CNC Programming - Introduction Learn the basic principles of CNC and CNC Programming. Covering CNC geometry, offsets, programming codes focussing on practical experience.	CTRL2010	2	£650
An Introduction to Industry 4.0 An engineers introduction to the principles and associated technologies in Industry 4.0. The course includes discussion of data capture, visualisation, connectivity and process analysis of automation.	CTRL6010	2	£1,200
IIoT Fundamentals with Practical Applications This IIoT (Industrial Internet of Things) course is designed for management and leadership who require a comprehensive overview of the basic principles, challenges and technologies within an IIoT system.	CTRL6120	2	£1,200

PLC COURSES

	REF	DAYS	PRICE*
Allen Bradley PLC RSLogix 5000 - Foundation Introduces delegates to the features of Allen Bradley PLC systems and RSLogix 5000 software. Designed to give you an understanding of the core functions and configuration required to be able to program and troubleshoot a PLC.	CTRL1020	2	£650
Allen Bradley PLC RSLogix 5000 - Intermediate Delegates will gain a deeper understanding of the Allen Bradley RSLogix Studio 5000 system. Including complex program structures, programming and fault finding.	CTRL1040	3	£1,000
Mitsubishi PLC GX Works2 - Foundation An introduction to Mitsubishi Q, L and FX Series PLC, it explains the basic hardware structure and introduces PLC programming using the GX Works2 software.	CTRL3010	2	£650
Mitsubishi PLC GX Works2 - Intermediate Based around the GX Works2 software in simple mode with labels, it runs through the advanced features of the software, using the Q, L and FX Series PLCs.	CTRL3020	3	£1,000
Omron PLC CX Programmer This course offers knowledge of Omron PLC hardware and its functionality through to a basic familiarity with the CX-Programmer software suite. In-depth features of the Omron PLC including additional ladder logic functions and diagnostic features are covered.	CTRL4060	3	£1,000
Siemens TIA Portal PLC Focused on the TIA Portal Software, this course gives you basic knowledge to configure, program and fault find on the Siemens S7-1500 range. Basic HMI functionality is also covered.	CTRL5020	4	£1,300
Siemens TIA HMI Foundation This course covers everything you would need to know about setting up a Siemens HMI using the TIA software package. Content includes configuring a project and communication, designing screens using standard controls, recipes, alarms and messages.	CTRL5030	2	£650
Siemens Communications (PROFINET and PROFIBUS) For delegates with previous knowledge of Siemens S7 or TIA Portal. With focus on practical elements that will incorporate modern Ethernet networks using simple methods; how to analyse and solve complex PROFINET/PROFIBUS breakdowns using the necessary tools.	CTRL5050	1	£420

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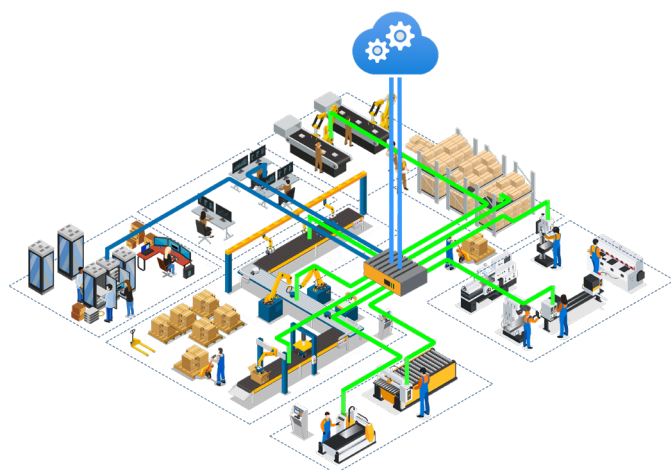
PREPARING FOR THE SMART FACTORY: **AN INTRODUCTION TO INDUSTRIAL INTERNET OF THINGS (IIOT)**

Step into the world of smart manufacturing and connected systems with this hands-on Industrial IoT (IIoT) course designed for today's modern workforce.

As industries rapidly evolve through digital transformation, the ability to connect machines, analyse real-time data, and improve operational performance is becoming essential. This course provides a practical gateway into IIoT, empowering learners to understand, apply and benefit from the technologies driving the Industry 4.0 revolution.

Unlock the Future of Industry with Industrial IoT

Our two-week Industrial IoT (IIoT) course is designed to equip adult learners with the practical skills needed to connect, monitor and optimise industrial systems using modern digital technologies. Delegates will learn how to integrate sensors, machines and control systems with cloud platforms to enable real-time data collection and visualisation. Through hands-on exercises and real-world use cases, the course demonstrates how IIoT can improve operational efficiency, reduce downtime through predictive maintenance and support smarter decision-making across diverse manufacturing environments.



The course also focuses on the broader purpose of IIoT within Industry 4.0, helping learners understand how data-driven insights transform traditional operations into intelligent, connected systems. By the end of the course participants will be able to design and implement basic IIoT solutions, apply cybersecurity best practices, and contribute to digital transformation initiatives within their organisations.

This makes the course ideal for professionals seeking to future-proof their skills and drive innovation in increasingly connected industrial workplaces.

IIOT FUNDAMENTALS WITH PRACTICAL APPLICATIONS

Course Code: CTRL6120

Designed for management and leadership roles who require a comprehensive overview of the basic principles, challenges and technologies within an IIoT system and need to understand how to leverage their data for business benefit. This 2-day course covers the fundamentals of control systems, communication protocols, data systems, assets integration, safety systems and cyber security best-practice in a high-level overview of the topic area with a practical demonstration of the technology.

Course Price: £1,200 +VAT*

INDUSTRIAL INTERNET OF THINGS (IIOT)

This 10-day modular course offers delegates a practical step-by-step approach to IIoT and its application in industry.

Module 1: Implementing IIoT (4 Days)

Course Code: CTRL6121

An introduction to control principles and diverse data sources, gaining an understanding of the devices, systems and data acquisition techniques. Delegates will understand industrial communication protocols, database connectivity, Edge computing and learn to navigate the complexities of the IT/OT Integration Layer.

Course Price: £1,200 +VAT*

Module 2: Higher Level Development (3 Days)

Course Code: CTRL6122

A deep dive into data types and understanding process orchestration, asset interaction and cyber security in the shopfloor environment. Delegates will gain practical skills in the deployment of devices, interfacing, data visualisation and Cloud connectivity.

Course Price: £900 +VAT*

Module 3: IIoT for Business Productivity (3 Days)

Course Code: CTRL6123

Delegates will learn how to plan and implement a complete IIoT system deployment to capture and measure performance KPIs, provide production monitoring and intelligence through Data Analytics. This module will also explore emerging technologies such as AI-driven decision making and simulation in the industrial environment.

Course Price: £900 +VAT*

IIoT Specialist Projects (1 Day) Bespoke

Course Code: CTRL6124

Only for advanced learners, these 1-day bespoke sessions focus on practical IIoT applications such as: TAKT, OEE, Digital Twins and Analytics Dashboards.

Course Price: £400 +VAT*

POWERED BY INDUSTREWEB

The course is further enhanced through the use of the Industreweb platform (www.industreweb.com), which serves as an interactive training and simulation environment for Industrial IoT applications. Learners will use the platform to visualise real-time data, build dashboards and experiment with connected systems in a safe, controlled setting. This practical exposure allows participants to bridge the gap between theory and real-world implementation, reinforcing key concepts such as data integration, monitoring and system optimisation. By incorporating Industreweb into the learning experience, the course provides a modern, accessible way to develop hands-on IIoT skills without the need for complex physical infrastructure.

***All prices are subject to current VAT rate.**

INDUSTRIAL ELECTRICAL COURSES

	REF	DAYS	PRICE*
Industrial Electrical This course comprises of Industrial Electrical - Foundation ELEC2030 and Industrial Electrical - Intermediate ELEC2040. This course is ideal for mechanical technicians or individuals responsible for performing basic fault diagnosis and preventative maintenance tasks on electrical systems. The course covers topics such as electrical health and safety, fundamental electrical principles, generation and distribution of electricity, basic electrical circuits, reading electrical schematics, three phase motors and motor control circuits, panel wiring, electrical testing and fault diagnosis, replacing electrical components and preventative maintenance of electrical equipment. <i>NB. If candidates are going to follow onto PLC/control systems courses we strongly recommend that they complete the alternative Control Systems course INDR3060.</i>	ELEC3050	8	£1,900
Industrial Electrical - Foundation This is a very practical and hands on course which introduces the fundamental knowledge and skills required to understand and work on industrial electrical systems.	ELEC2030	4	£1,200
Industrial Electrical - Intermediate This course builds upon the skills and understanding acquired during the Foundation course though further practical exercises. On completion of the course, candidates will be competent in basic electrical fault diagnosis and able to perform a variety of electrical maintenance activities.	ELEC2040	4	£1,200
Safe Isolation - LOTO This course covers the identification of single and three-phase supplies, locking mechanisms, test instruments and lock-out tag-out procedures.	ELEC2070	1	£320

DOMESTIC ELECTRICAL COURSES

	REF	DAYS	PRICE*
Electrical - Combined Electricity at Work Regulations (1989) - Duty Holder Helping employers and employees gain the knowledge and understanding needed to satisfy the requirements of EAW regulations and the subsequent responsibilities of the duty holder or appointed person.	ELEC2080	1	£300
Domestic Electrical Installation (incl 2391-10 Part P Building Regulations) This course is designed for individuals starting a career in domestic electrical installation. It provides an understanding of key topics including three-phase supplies, domestic lighting circuits, earthing and bonding requirements, pre-work surveys, and more. There will be a short examination at the end which will be the City & Guilds 2391-10 Part P Building regulations.	ELEC2090	10	£2,000

CITY & GUILDS ACCREDITED COURSES

2382-26 18th Edition IET Wiring Regulations This course will provide delegates with knowledge of the latest industry standard regulations. It is a requirement that all electrical installations comply with BS 7671:2018, 18th Edition. Price includes course textbook. 2382-26 is delivered as a 3 day course with an exam held on the 4th day.	ELEC1030	4	£790
2391-52 Level 3 Award in Initial and Periodic Inspection and Testing of Electrical Installation This course covers both Periodic Inspection and Initial Verification. Aimed at electrical personnel who carry out or supervise the testing and inspection of installations. Price includes course textbook. Candidates return a week later for the exam. Candidates MUST have completed and passed the 2382-26 18th Edition prior to attending this course.	ELEC1060	5	£1,100
2377-77 Level 3 Award in Portable Appliance Testing (PAT Non Electrical Personnel) Designed for non-electrical delegates, attendees will develop knowledge and understanding to implement a testing programme for portable electrical appliances. Price includes course textbook. Examination held on separate day.	ELEC1020	2	£550

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CIEH ACCREDITED COURSES

CIEH Foundation Certificate in Manual Handling (Level 2) Legislation requires employers to take appropriate steps to reduce risk of injury to employees. This qualification combines the theory and practical elements of manual handling, teaching techniques to lift, carry, push and pull objects safely.	HSAF1090	0.5	£160
CIEH Intermediate Certificate in First Aid at Work (Level 3) Provides delegates with sufficient skills and knowledge to carry out the role of a First Aider in the workplace in accordance with current legislative requirements. Suitable for anyone wishing to be the designated First Aider in the workplace.	HSAF1040	3	£720

IN-HOUSE SAFETY COURSES

Abrasive Wheel Safety (Portable Grinders) Provides delegates with information that will enable them to change, replace and maintain cutting discs on portable grinding machines. They can then use them safely and in accordance with requirements of the provision and use of Work Equipment Regulations 1998 (PUWER).	HSAF2050	0.5	£160
Introduction to COSHH Developed to provide those working near hazardous substances with knowledge of risks and what their responsibilities are under current legislation. You will find out about associated health risks and cover the benefits of following COSHH guidelines.	HSAF2140	1	£320
Safe Use of Abrasive Wheels This course will provide an introduction to working safely with abrasive wheels so you can understand the risks and know which control measures are needed to prevent injury. Also allowing for familiarisation with the associated regulations.	HSAF2190	1	£320
Safe Use of Engineering Workshop Equipment This programme has been developed to provide delegates with an understanding of major risks in workshops and how to control them in order to minimise injuries.	HSAF2200	1	£320
Safe Use of Power Hand Tools Introduces delegates to skills for using power hand tools, in accordance with health and safety legislation and in addition to best work practices.	HSAF2220	1	£320
Working at Heights This programme introduces delegates to the requirements of the current "Working at Heights Regulations 2005", so that individuals can comply with their duties, whether planning, controlling or conducting work tasks at height.	HSAF2310	1	£320

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Check out our delegate feedback online at 



“Great learning experience. Very different from what I’m used to. Great Instructor.”



“Fantastic training facility with so much to offer. My second course here, definitely will be coming back to Control 2K for future courses.”



“Great course, very practical. Expert knowledge was delivered in a very easy to digest manner. We covered a range of Control Systems, this will definitely be useful for me in my career.”

QUALITY MANAGEMENT

ISO 9001:2015

	REF	DAYS	PRICE*
Certification to ISO 9001:2015 Tailored to suit your business requirements, the ISO 9001:2015 standard is utilised in developing training of policies and procedures thus facilitating achievement of the role of Internal Auditor, as well as an implementation of ISO management systems. Assessment by a UKAS accredited certification body is included.	BMBA1030	TBC	CALL
Introduction to ISO 9001:2015 An overview of what the ISO 9001:2015 standard requires. This course will benefit those who are managing, or would like to manage an ISO based quality management system.	BMBA1010	1	£370

LEAN TOOLS AND TECHNIQUES

AI Planning in Process Automation The workshop is aimed at process owners and engineers who are considering introducing process automation projects using AI or Machine Learning. It is designed to cover the basic steps of process mapping, specifying a suitable reference architecture and introduce delegates to the principles of data recovery.	BMBA3010	1	£495
5S Workplace Organisation An introduction to the 5S methodology, incorporating the use of visual displays and visual controls to minimise clutter and introduce orderly process to the work place. SORT, SET, SHINE, STANDARDISE and SUSTAIN.	BMBA2050	1	£320
Changeover Reduction (SMED) To ensure delegates understand the systematic approach to the measurement and reduction of lost production time.	BMBA2250	1	£320
Continuous Improvement Introduces improvement techniques that can be applied in any environment. Achieve greater efficiencies through process mapping to deliver improvements.	BMBA2230	1	£320
Introduction to Lean Awareness An overview of 'Lean Thinking' to enable processes to be delivered better, faster and cheaper.	BMBA2210	1	£320
Six Sigma Lean Training This highly interactive course is designed for people who will get involved in Six Sigma improvement projects in their workplace.	BMBA2280	5	£1,600
Total Productive Manufacturing Learn how to recognise methods and training which can show you how to increase the output and efficiency of equipment.	BMBA2240	1	£520

LEADERSHIP AND MANAGEMENT COURSES

Effective Leadership Develop skills that will ensure effective leadership of a team and its managers, with the objective of maximising performance. Explore leadership techniques and learning styles and create more effective teams.	BMBA2270	1	£520
Project Management The course aims to provide managers with an understanding of the techniques available and how they may be used in the management of projects.	BMBA2150	1	£320
Strategy and Direction Setting A practical training in business strategy, developing mission statements and SMART objectives. Tips and tools for engaging your board members.	BMBA2160	1	£320

*All prices are subject to VAT at current rate.

BOOKING INFORMATION

Courses can be booked online or over the telephone, payment can be made by card or by invoice and must be made prior to the course start date.

Each delegate will receive joining instructions prior to the start date of their chosen course, together with any health and safety policies. Any cancellations must be received 2 weeks prior to the course start date.

All prices are subject to VAT at current rate.

For our full cancellation policy and further information, please consult our website where the full terms and conditions are published:

<https://www.control2k.co.uk/termsandconditions>

Training Accounts available subject to conditions, please contact training@control2k.co.uk for further details.

Training Accounts

We specialise in creating bespoke training for your new recruits, apprentices and long-established teams. Creating a company training account with us gives you the ability to customise our courses so that they relate to your industry requirements. Set up your own unique training schedule and pay monthly on account.

Start the ball rolling and get ahead of your competitors today. Call our Training Centre on **01656 646404** to discuss your requirements.

Waterton Technology Centre
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 Bridgend
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Delivering Excellence in Training, Systems Integration & Research



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