

OVER **20** YEARS
DELIVERING
TRAINING
EXCELLENCE

2021 TRAINING BROCHURE

CONTROL SYSTEMS | INDUSTRY 4.0 | ELECTRICAL | HEALTH & SAFETY | QMS



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Welcome to Control 2K

Providing Business Services in Training, Design and Systems for over 20 Years.

"2020 was a year of significant disruption across the engineering and manufacturing sectors and had a serious impact on many businesses across the UK. With huge changes in staffing and redundancies, there has never been more need for high-quality, accessible training for industry.

At Control 2K Limited, we have put in place a number of additional services to support our clients and trainees; protecting them from harm on the premises and creating new ways of accessing training in these ever-changing times. We've invested heavily in digital accessibility and on-demand services, plus an exciting new Industry 4.0 training programme for the new season.

We look forward to welcoming you to Waterton Technology Centre in the near future."



Victoria Banwell
Training Centre Manager



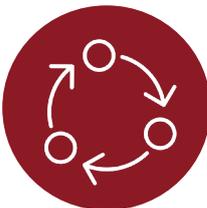
Training

We provide a wide variety of bespoke training courses for either individuals or large organisations. Our courses include accredited programmes and our own company certified courses, which are based on substantial industrial experience. The training courses we offer are designed for retraining and upskilling existing staff or new employees.



Design

We specialise in all aspects of bespoke design and development work. As Microsoft.Net and Umbraco Certified Developers we have extensive experience of producing and engaging audiences with our mobile friendly responsive websites that are optimised to perform efficiently on search engines.



Systems

Our Systems department provides specialist industrial software solutions and systems integration services. Our Industry 4.0 software suite, Industweb4.0™, delivers real-time business intelligence for manufacturers; connecting multiple data sources and vendors to collect information from every part of your processes.

POPULAR COURSES

Complimentary hospitality is provided with all in-house courses

	DAYS	PRICE*
Electrical Principles - Basic Skills - Industrial or Domestic Bias	5	£725
IOSH - Managing Safely	3	£495
2382-18 - City & Guilds 18th Edition IET Wiring Regulation	3	£468
2391-52 - City & Guilds Level 3 Award in Initial and Periodic Inspection and Testing of Electrical Installations	5	£850
First Line Diagnostics	5	£795
2393-10 - City & Guilds Level 3 Award in Part P Building Regulations	1	£300
Mechanical to Electrical Conversion	10	£1795

NEW COURSES FOR 2021

	DAYS	PRICE*
An Introduction to Industry 4.0 (Online course available) 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.	2	£500
Siemens TIA Portal PLC V16 Focused on TIA Portal (V16) Software, this course gives you basic knowledge to configure, program and fault find on the new Siemens S7-1500 range. Basic HMI functionality is also covered.	4	£800
2377-77 City & Guilds Level 3 Award on Portable Appliance Testing (PAT) Enables delegates to acquire skills and knowledge to be able to instigate and implement a testing programme for portable electrical appliances.	1	£340
2377-77 City & Guilds Level 3 Award on 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.	2	£495
Siemens S7 to TIA Transition Designed to aid delegates transitioning from S7 to TIA Portal. It covers all features found in S7 and how they translate to TIA Portal.	5	£995
Microsoft Excel Intermediate (Online course available) Provides knowledge required to use more advanced formulas and work with various tools to analyse data in spreadsheets. Tools such as sorting, filtering, conditional formatting and auditing will be covered.	1	£125
IOSH - Working Safely Covers the essentials of health and safety in the workplace and is aimed at all employees within all organisations.	1	£145

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



ELCAS Provider

We are proud to be an Approved Learning Provider for our popular City & Guilds Electrical courses with the Ministry of Defence (MOD) Enhanced Learning Credits Scheme (ELC). This scheme helps to promote life-long learning for members of the Armed Forces.

CONTROL SYSTEMS COURSES

	REF	DAYS	PRICE*
An Introduction to Industry 4.0 (Online course available) 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.	CTRL5070	2	£500
Allen Bradley PLC RS Logix 500 or 5000 - Basic Introduces delegates to features and tools of Allen Bradley PLC systems and RS-Logic 500/5000 software. Designed to give you an understanding of the core values needed to be able to program and troubleshoot a PLC.	CTRL1010 CTRL1020	2 2	£400 £400
Allen Bradley PLC RS Logix 500 or 5000 - Intermediate Following from the basic course, delegates will gain a deeper understanding of the Allen Bradley RS Logix Studio 500/5000 system. Including complex program structures, programming, fault finding features touching on PanelView HMI communications.	CTRL1030 CTRL1040	3 3	£400 £400
CNC Programming - Introduction Learn and understand the basic principles of CNC and CNC Programming. Covering CNC geometry, offsets, programming codes focussing on practical experience.	CTRL2010	2	£600
Omron HMI This course has been designed to familiarise maintenance engineers, technicians and electricians with the operation, configuration and programming of an Omron HMI Series Programmable controller and the use of Omron CX-Designer software.	CTRL4010	2	£400
Omron PLC - Basic This course offers an introduction to PLCs, providing delegates with knowledge of PLC hardware and its functionality through to a basic familiarity with the CX-Programmer software suite.	CTRL4020	2	£400
Omron PLC - Intermediate Here delegates will gain an understanding of the more in-depth features of the Omron PLC including additional ladder logic functions and diagnostic features of the CX Programmer suite.	CTRL4030	3	£600
Siemens TIA Portal PLC V16 Focused on TIA Portal (V16) Software, this course gives you basic knowledge to configure, program and fault find on the new Siemens S7-1500 range. Basic HMI functionality is also covered.	CTRL5020	4	£800
Siemens HMI & WinCC Flex Designed for engineers, this course covers everything you would need to know about setting up a Siemens HMI using the WinCC Flex software package. Content includes configuring a project and communication, designing screens using standard controls, recipes, alarms and messages.	CTRL5030	2	£400
Siemens S7 Profibus / Profitnet 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.	CTRL5040 CTRL5050	1	£400
Siemens S7 to TIA Transition Designed to aid delegates to transition from S7 to TIA Portal. It covers all features found in S7 and how they translate to TIA Portal.	CTRL5060	5	£995

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CITY & GUILDS ACCREDITED ELECTRICAL COURSES

All City & Guilds courses include relevant textbooks and are approved through the ELCAS scheme for members of the Armed Forces.

	REF	DAYS	PRICE*
2377-77 - City & Guilds Level 3 Award in Portable Appliance Testing (PAT) Enables delegates to acquire skills and knowledge to be able to instigate and implement a testing programme for portable electrical appliances. Examination held on separate day.	ELEC1010	1	£340
2377-77 - City & Guilds 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. Examination held on separate day.	ELEC1020	2	£495
2382-18 - City & Guilds 18th Edition IET Wiring Regulation 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.	ELEC1030	3	£468
2391-50 - City & Guilds Level 3 Award in Initial Verification of Electrical Installation Designed for electricians yet to perform initial inspection on electrical installations or those with experience looking to update their previous training. Also suitable for those entering the industry from other disciplines (e.g. other engineering fields, or those in allied trades).	ELEC1040	4	£700
2391-51 - City & Guilds Level 3 Award in Periodic Inspection and Testing of Electrical Equipment Created for domestic electrical installers, this course gives you the necessary skills to inspect and test fundamental installations and conduct an initial verification.	ELEC1050	4	£700
2391-52 - City & Guilds 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.	ELEC1060	5	£850
2393-10 - City & Guilds Level 3 Award in Part P Building Regulations The course provides instruction on relevant parts of building regulations and approved documents. An ideal course for those wanting to become part of the competent person scheme.	ELEC1070	1	£300

ELECTRICAL & ENGINEERING COURSES

	REF	DAYS	PRICE*
Electrical Principles- Basic Skills - Domestic or Industrial An introduction to electrical competency for a mechanically biased tradesperson looking to move into a more multi-disciplined role. The <i>Domestic</i> course is an ideal prerequisite for the IET Regulations 18th edition course. The <i>Industrial</i> course is aimed towards maintenance technicians and engineers.	ELEC2010 ELEC2020	5 5	£725 £725
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.	ELEC2030	1	£300
Electrical - Safe Isolation - Single & Three-Phase Installation This course covers the Identification of single and three-phase supplies, locking mechanisms, test Instruments and lock-out tag-out procedures.	ELEC2040	1	£300
Mechanical to Electrical Conversion Part 1 M-E: Starts from the basic fundamental principles, including how electricity works, Ohms Law, circuit breakers, fuses and RCDs including practical wiring and testing. Part 2 M-E: Builds on previous theory and practical tasks and shifts towards motor control theory with practical circuit building and fault finding technical exercises. <i>Course includes 2377-77 PAT and 2393-10 Part P Qualifications</i>	ELEC3010	10	£1795

IOSH

	REF	DAYS	PRICE*
IOSH - Managing Safely The number one health and safety course in any sector. This course will ensure you can assess and control risks and hazards, understand your responsibilities around health and safety, enable you to investigate incidents and gain knowledge, skills and confidence to manage health and safety within your team.	HSAF1010	3	£495
IOSH - Working Safely Covers the essentials of health and safety in the workplace and is aimed at all employees within all organisations.	HSAF2330	1	£145

CIEH ACCREDITED COURSES

CIEH Occupational Health & Safety (Level 2) Supports businesses in their legal obligations to ensure employees are protected. This course will focus on common hazards and how to control them. Suitable for individuals at all levels within employment.	HSAF1070	1	£295
CIEH Intermediate Occupational Health & Safety (Level 3) Delegates of this course will develop the essential knowledge and understanding to enable them to conduct health & safety responsibilities. Suitable for managers and supervisors within the workplace, or learning/development coaches.	HSAF1080	3	£680
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	£150
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	£680

HALF DAY COURSES

Asbestos Awareness This course is aimed at the construction industry and maintenance contractors or other ancillary workers who could come into contact with asbestos.	HSAF2010	0.5	£150
Banksman Training To provide delegates with suitable information to assist them in carrying out Banksman activities, in relation to on-site movements safely and in accordance with Health and Safety legislation.	HSAF2020	0.5	£150
Fire Safety Awareness This will equip your staff with knowledge on fire prevention. It will ensure employees are knowledgeable and safe and have the skills to comply with fire safety requirements.	HSAF2030	0.5	£150
Ladder Safety To provide delegates with suitable information assisting them to select, use and inspect ladders in accordance with current Health and Safety legislation.	HSAF2040	0.5	£150
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	£150
Principles of COSHH (Level 2) The Level 2 Award in Principles of COSHH is the perfect introduction to the Control of Substances Hazardous to Health. This qualification is aimed at employees that require an understanding of the risks and controls when working with substances that are hazardous to health.	HSAF2060	0.5	£150

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FULL DAY COURSES

	REF	DAYS	PRICE*
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	£295
Permit to Work Awareness The course aims to provide delegates with an understanding of how Permit to Work systems operate and assist them to assess the requirements of a particular job or task.	HSAF2170	1	£295
Principles of Risk Assessment (Level 2) Designed to help improve the workplace culture for occupational health and safety by enabling learners to understand the basic principles of risk assessment.	HSAF2180	1	£295
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	£295
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	£295
Slinging and Lifting Provides delegates with a knowledge to enable them to carry out their lifting operations in accordance with statutory requirements and without risk to health with reference to regulations (LOLER).	HSAF2210	1	£295
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	£295
Safe Use of Power Presses This programme has been developed to educate personnel who have responsibility, directly or indirectly for the provision and use of power presses.	HSAF2230	1	£295
Warehouse Health & Safety This course has been developed to assist in the identification of hazards and risks present in a warehouse environment and to put in place procedures to control these.	HSAF2300	1	£295
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	£295
Fire Warden Training The course aims to provide delegates with information to assist them act proactively in identifying fire hazards and dangers before a fire occurs, and to assist in the emergency evacuation of occupants from buildings should it become necessary.	HSAF2100	1	£295
Appointed Person—Lifting operations All lifting operations must be planned so that foreseeable risks have been accounted for and relevant controls put in place. When complex lifts are carried out a documented lifting plan must be created by a competent person.	HSAF2070	2	£450

ISO 9001:2015

	REF	DAYS	PRICE*
Introduction to ISO 9001:2015 (Online course available) 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	£345
IRCA Approved Internal Auditors Training Designed for those looking to become internal auditors or for those conducting internal audits and require a greater understanding of their responsibilities. Looking at requirements of the ISO 9001:2015 standard, the business and how to add value to report writing, time management and presentational skills.	BMBA1020	4	£685
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

LEAN TOOLS AND TECHNIQUES

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. <i>SORT, SET, SHINE, STANDARDISE and SUSTAIN.</i>	BMBA2050	1	£295
Value Stream Mapping (VSM) Learn how to design a plan that recognises areas of change. Having adequate knowledge of VSM helps you recognise areas of waste in production processes.	BMBA2220	1	£295
Six Sigma Green Belt Training This highly interactive course is designed for people who will get involved in Six Sigma improvement projects in their workplace.	BMBA2280	5	CALL
Changeover Reduction (SMED) To ensure delegates understand the systematic approach to the measurement and reduction of lost production time.	BMBA2250	1	£295
Introduction to Lean Awareness An overview of 'Lean Thinking' to enable processes to be delivered better, faster and cheaper.	BMBA2210	1	£295
Continuous Improvement Introduces improvement techniques that can be applied in any environment. Achieve greater efficiencies through process mapping to deliver improvements.	BMBA2230	1	£295
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	£295

LEADERSHIP AND MANAGEMENT COURSES

Project Management (Online course available) 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	£295
Strategy and Direction Setting (Online course available) A practical training in business strategy, developing mission statements and SMART objectives. Tips and tools for engaging your board members.	BMBA2160	1	£295
Negotiating and Influencing Skills (Online course available) A highly interactive course designed to equip supervisors with negotiating and influencing tools and techniques. Learn how to have critical conversations at all levels and get the outcome you need.	BMBA2170	1	£295
Effective Leadership (Online course available) 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	£295

BUSINESS IMPROVEMENT COURSES

	REF	DAYS	PRICE*
Problem Solving & Decision Making Designed to familiarise delegates with the techniques involved in effective problem solving and decision making.	BMBA2140	1	£295
Train the Trainer Delivered as an intensive one-day fast track course, this course introduces the topic of training along with its most important elements. Delegates will be taught essential skills such as effective communication, presentation and questioning.	BMBA2190	1	£295
Lean Coach Programme Extensive coach training delivered over five days and teaches delegates all the lean tools and techniques available to them and how to apply them within their sector.	BMBA2260	5	CALL
Social Media 101 (Online course available) Top tips for utilising social media platforms. The course includes; platform scheduling, adding different content types, using the 'live', 'reels' and 'story' features. Also, how to create a strategy and deliver excellent content to help attract new business.	MARK1120	1	£195
Email Marketing (Online course available) Overview on how to create and build email marketing campaigns, key information to include, an effective subject line, how and when to engage with your audience and building a good GDPR compliant recipient list.	MARK1130	0.5	£125
Content Marketing (Online course available) Learn about the Importance of long-form content to promote your business, lead generation, SEO and content aggregation for a variety of social media platforms to promote your business.	MARK1140	0.5	£125
Digital Marketing (Online course available) Ideal for those starting out or who are looking to develop their knowledge in digital and social media marketing. This will help you develop campaigns and implement a social media and digital marketing plan that will start generating business leads.	MARK1150	1	£195
How To: Marketing Strategy (Online course available) Designed for those seeing no results on social media, this short course will help you create a strategy to develop your social media presence.	MARK1160	0.5	£125
Microsoft Excel Basic (Online course available) This course is designed for those who wish to gain the necessary skills to create, edit, format and print basic Microsoft Excel worksheets.	ITEC1040	1	£125
Microsoft Excel Intermediate (Online course available) This course provides the knowledge required to use more advanced formulas and tools to analyse data in spreadsheets, such as sorting, filtering and formatting.	ITEC1050	1	£125
Microsoft Word Intermediate (Online course available) Designed to improve your knowledge and help you take advantage of more complex features in Microsoft Word that can save you time.	ITEC1120	1	£125

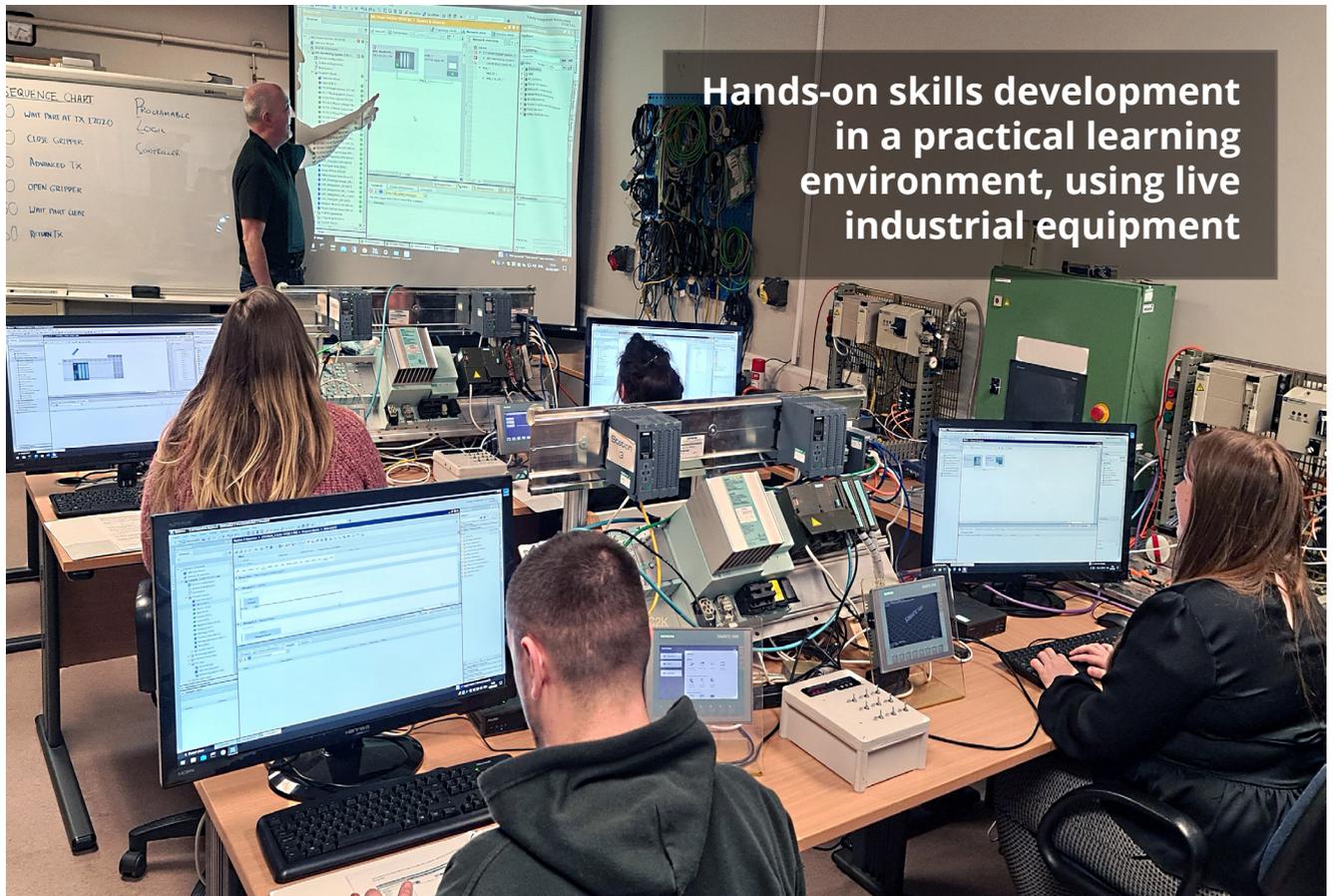
*All prices are subject to VAT at current rate



INDUSTRIAL ENGINEERING COURSES

	REF	DAYS	PRICE*
Pneumatics / Hydraulics 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 hydraulic systems, equipment, symbols and drawings.	INDR1010	3	£525
First Line Diagnostics A practical course designed for maintenance engineers, multi-skilled engineers and technicians who need to have methodical approach when responding to a plant breakdown. This will improve the diagnostic approach and lead to faster identification and resolution of faults.	INDR2010	5	£795
Second Line Diagnostics This course comprises of practical exercises aimed at engineers, technicians and breakdown response teams. Delegates will be able to implement knowledge gained into their own work environment, making fault finding more efficient, reducing financial losses incurred by unexpected down time.	INDR2020	3	£525
Welder Training Scheme (Level 1 Novice) This level is suitable for students who have no prior welding experience or have had minimal work experience. This course will provide a good foundation of the theory behind the MMA welding process, fabrication and welding safely.	INDR3010	3	£995
Welder Training Scheme (Level 2 Basic Experience) This level is suitable for an experienced welder with the capability of achieving fillet and butt welds in plate in TIG or MIG.	INDR3020	3	£995
Welder Training Scheme (Level 3 Accomplished Welder) This level is for the experienced welder with the capability of achieving fillet and butt welds in plate in TIG, MIG or ASME 9. This course is tailored to the needs of delegates and the price is per day of tuition.	INDR3030	1	£350

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**Hands-on skills development
in a practical learning
environment, using live
industrial equipment**

BOOKING INFORMATION

Courses can be booked online or over the telephone. We have a range of payment options to accommodate you.

We are now offering an option to complete some of our courses online, these have been noted throughout the brochure. Please get in contact with us if you wish to choose this option.

Each delegate will receive joining instructions prior to the start date of their chosen course.

All prices are subject to VAT at current rate.

For our 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

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.

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?

Book a Pathways session with our Training Centre advisors to discuss your plans. Let us help you find a suitable path. Whether you are ex-Armed Forces, facing redundancy or simply looking for a change, we can provide advice on achieving your goals and become the professional you want to be.

Call our Training Centre Manager, Victoria on 01656 646404 to arrange your pathways session today.

Waterton Technology Centre
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CONTROL 2K

total solutions provider

Providing you with solutions for
Training, Design & Systems

