

East Kilbride & District Engineering Group Training Association Ltd.

Mission Statement

"EKGTA aims to serve the training needs of employers, whilst offering individuals the chance to develop the knowledge and skills necessary in employment"

Editor's comments

Impact, the in-house newsletter from EKGTA is intended to keep member companies and other customers informed about the latest innovations and developments being undertaken by the Association.

We hope that the news, views and updates contained herein have real *impact* on our readers and we welcome feedback from you, along with any contributions for future issues.

IOSH Health & Safety Courses



Regular readers will be aware of the ever changing training needs of companies. These can be many fold and include; changes in legislation, changes in staff, as a direct result of new technologies being introduced.

EKGTA prides itself in having a comprehensive and wide range of courses within its portfolio. We are however always looking to increase our portfolio to include a wide and varied diversification of courses required by members and other companies.

With this in mind EKGTA has recently investigated and been approved to run two of the UK's most popular and sought after Health & Safety courses, namely 'Managing Safely' and 'Working Safely'. These courses are accredited through the Institution of Occupational Safety and Health (IOSH) which is the biggest health and safety membership organisation in the world. It has more than 40,000 members in 99 countries and is the only Chartered body for health and safety professionals in the world.

Special points of interest

- Anderside Tools
- Virtual Reality Welding

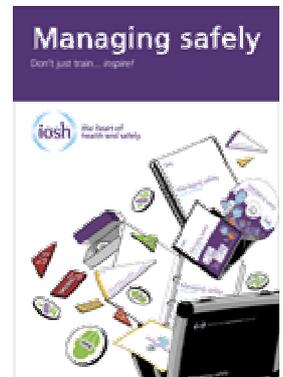
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Managing safely course

Managing safely is for managers and supervisors in any sector, and any organisation. It's designed to get managers up to speed on the practical actions they need to take to handle health and safety in their teams.

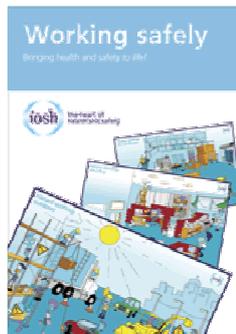
This Managing safely course is unlike any other. Full of step-by-step guidance, and with a sharp business focus, they will find that the highly innovative format and content inspires delegates – critical to getting essential health and safety messages across. Managing safely won't turn delegates into safety experts – but it will give them the knowledge and tools to tackle the health and safety issues they're responsible for. Importantly, it brings home just why health and safety is such an essential part of their job. Successful delegates are awarded an IOSH Managing safely certificate.



Working safely course

Working safely is for people at any level, in any sector, needing a grounding in the essentials of health and safety. Everyone at work should have an understanding of why they must 'work safely' – and this course offers exactly that. Working safely isn't supposed to turn delegates into safety experts.

Delegates who successfully complete the written and practical assessments can choose between IOSH's Working safely certificate or a credit card-sized 'passport' card. The Working safely course meets the government's guidelines for introductory health and safety training and is a 100 per cent match to the Health and Safety Executive's 'passport' syllabus.



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The first EKGTA courses are scheduled to run during May 2013. For further information visit the EKGTA website at www.ekgta.com and visit the course calendar section, or alternatively contact **Derek Syme, Training Manager**, on 01355 229985 or e-mail drs@ekgta.com. More information on the Managing safely Course can be found at www.tinyurl.com/83aftgd

Members Spotlight

Anderside Tools Ltd

Anderside Tools Ltd is celebrating 30 years in business.

Hugh McKinnon of East Kilbride set up Anderside Tools in 1983. Now he employs over 30 staff after marking the latest milestone for the company.

The company based in Kelvin Industrial Estate started business specialising in the manufacture of moulds for the plastics industry. Working for companies like IBM and Compaq in the computer industry and Hoover and JVC in the domestic appliance and consumer electronics sector.

After 10 years in business a second company was set up to specialise in the production of the injection moulded components that the previously mentioned companies used in the manufacturing of their finished products.

The company has continued through what became a very difficult period for manufacturing when most of the multinational companies moved to countries with low labour costs.

Over the last 6 years Anderside has diversified by offering our specialised machining skills to the oil and gas and defence industry sectors.

On February 2010 the injection moulding company was merged with Anderside and now the company runs with 2 divisions known as the Tooling Division and the Moulding Division.

The company is still run by Hugh McKinnon who is Managing Director and his son Greig as Technical Manager and daughter Allison Paterson as Office Manager – a real family business.

The diversified operation is going from strength to strength and with the ongoing help of our loyal workforce we look forward to our next decade in business.



Hugh and the Team at Anderside Tools

Trades House Awards 2013



Nathan and the Deacon Convener

The Trades House of Glasgow Modern Apprentice Award (MAYA) 2013 was created at the time of reform of Glasgow's local government in 1605. At that time the electorate was basically divided into two groups, the Merchants and the Craftsmen. The Craft Incorporations or Guilds comprised the trades Rank of Burgesses under the leadership of the deacon convener, who was given a council. This included the Craft leaders and is the body we now recognise as the Trades House.

Guilds and Craft Incorporations are the Scottish equivalent of the craft guilds or livery companies, which developed in most of the great cities of Europe in the Middle Ages. Over the years many of the House's political and legal duties have been transferred to other bodies, but the charitable functions and concern for the future of Glasgow very much remain.

Then and for over 200 years Trades House regulated apprenticeships into tradesmen and eventually masters of their chosen craft. Now purely an organisation with charitable purposes Trades House was returning to its historic roots when it started the Trades House of Glasgow Modern Apprentice of the Year Award in 2006.

MAYA is open to people working towards a Scottish Modern Apprenticeship or those certificated no earlier than May 2012, who are employed by any business in the Glasgow post code area. The apprenticeship system was first established and maintained in the City in medieval times by the 14 historic Craft Guilds, The goal then was to ensure high quality workmanship and customer service. Today, the Trades House of Glasgow Modern Apprentice of the Year Award showcases the commitment and capability of candidates who have chosen this route to further their careers.

Nathan Murdoch (aged 22) a fourth year Mechanical Engineer Apprentice with SPX – ClydeUnion Pumps, has beaten stiff competition to win the Trades House of Glasgow Modern Apprentice of the Year Award 2013 (MAYA).

Nathan completed his First Year of Training in EKGTA Training Centre and was assessed throughout his apprenticeship by EKGTA Assessor, then trained in various departments in SPX Clyde Union Pumps before receiving an appointment in the Engineering Department;

The Deacon Convener presented Nathan with his prize of an inscribed trophy. While this will remain on display in the Trades Hall, home to the Trades House of Glasgow, he also received an inscribed replica, a cash prize of £300 for further study and a certificate.

"MAYA was introduced by the Trades House of Glasgow in 2006 to encourage the broad spectrum of apprenticeships for young people or for those seeking a career change," said Deacon Convener of the Trades of Glasgow.

"As with all our projects, we have set the standards high for MAYA and enlisted the help of the city's leaders in commerce and industry to sit on our judging panel. The nominated candidates did not disappoint and gave our judges quite a challenge in selecting the finalists and overall winner. Our congratulations go to Nathan Murdoch along with EKGTA and SPX ClydeUnion Pumps for their great success this year."



Is this Real or Virtual (Reality)

At the Association we always like to push the boundaries of technology, and this has seen us invest heavily over the last 20 years in IT systems, CNC Equipment, Smartboard technology, Virtual Learning Environment, Video Conferencing, the list is endless. The most recent venture in new innovations, has been to invest in a “Virtual Welding Machine”.

Produced by Lincoln Electric the VRTEX® virtual reality arc welding training system makes it possible to learn how to weld in an eco-friendly manner. Instructors can teach the basics in a safe environment and to a wider audience. The machine minimises material waste and improves the environmental footprint allowing the trainee to learn the welding process without the need for shielding gas, welding electrodes or weld coupons and does not require weld fume removal. It also reduces the disposal of waste as a result of training such as base material, consumable parts and reduction overall energy consumption as it uses less energy than a traditional welding machine, feeder and weld fume control system.



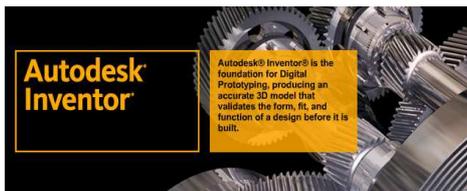
Instructor Jim Gillan and Apprentice Scott Findlay

The EKGTA Welding Instructor Jim Gillan commented “As a bit of a sceptic on this new type of training aid (VERTEX 360), I was blown away by the impact that this new ultra modern training equipment from Lincoln Electric would have on the apprentice welders” From teaching the basic safety and setting aspects of MMA and MIG Welding, right up to 6G coded practices, this machine can do it all. From an instructors perspective this is invaluable, as we can cut down on prep work and concentrate on building the trainees confidence and ability while making it fun to learn. Whilst using the system trainees receive an average score at the end of each weld run, so this creates an element of healthy competition between the apprentices. Practicing on the VRW also provides muscle memory to be formed, and the trainee can then transfer their skills much more quickly to the actual weld practices. Apprentice Welder Scott Findlay from TEREX stated “the virtual welder is very addictive as you always want to better your score, and if you have someone to compete with you always want to do better than them. This makes you improve your skills further as the more you do it, the better your welds become. It also helps the levels of concentration and consistency, making it easier for you when you start the real thing. As I started normal welding I instantly knew how to position my arms and how close I had to put the tip. This gave me confidence, and was a good start to my training”.



Derek Syme, Training Manager commented, “in the short time we have been using this system we have seen a dramatic improvement in the trainee’s enthusiasm to learn, they all want to beat each others score and as a result the quality of their work improves quickly. There is no substitute for the real thing but this system gives the trainees the opportunity to hone their skills prior to actually welding metal”. “ The system is now fully integrated in to our training programme and I reckon we will save at least 50% on consumables and see a vast improvement in the trainee’s quality and understanding of the welding process”.

AutoDesk at EKGTA



**Autodesk
Inventor**

Autodesk® Inventor® is the foundation for Digital Prototyping, producing an accurate 3D model that validates the form, fit, and function of a design before it is built.

AutoDesk Authorised Training Centres (ATCs) provide the best way for beginners and experts alike to get up to speed. Find out about the latest productivity features, learn best practices and develop the skills you need to make the most of your AutoDesk software. Get the greatest return on your investment, faster; by building your knowledge in the areas you need the most.

EKGTA is one of only 5 ATCs in Scotland. At EKGTA, you’ll learn from a highly qualified instructor at our superior facility. We base our training on AutoDesk recommended course descriptions and have the added advantage of using AutoDesk Official Training Courseware materials.

Quality distinguishes AutoDesk ATC from other training providers. ATC instructors are required to meet strict criteria by AutoDesk in relation to product knowledge and software expertise to ensure that your training experience exceeds expectations. Facilities are of the highest standard so you enjoy a comfortable classroom setting with a workstation dedicated solely to you. Our courses are limited to 6 delegates so you get more individual time with your instructor.

Our instructor is busy preparing for the latest release of software (2013) so it’s a good time to think about upgrading your skills.

Also now available at EKGTA are three units from the Performing Engineering Operations suit of qualifications. These units are PEO2/004 Producing mechanical engineering drawings using a CAD system and PEO2/061 Producing CAD models (drawings) using a CAD system. These are Nationally recognised units from EMTA Awards Ltd at SVQ level 2 and are available as part of the foundation training for Modern Apprenticeships. The units can also be taken separately by anyone interested in learning CAD.

Unlike other providers who are not AutoDesk accredited, our trainees are able to access the very latest industrial software while working towards this qualification. In general terms trainees could expect to take around 2 weeks to complete each unit including building the required portfolio of evidence.

To view our scheduled courses and outlines please visit our web site www.ekgta.com or contact Derek Syme on 01355 229985

Roll of Honour



Congratulations to the following trainees who all successfully completed their Engineering Apprenticeship between January — April 2013

Craig Duncan, Au Automation Ltd; Robert Reid, Brown McFarlane Ltd; Christopher Russell, Clyde Fasteners Limited; Greig Barr, Andrew Downham, Shaun Flucker, Grant Howard, Martin Kelly, Jordan McNab, David Martin, James McGhee, Sean Smith and Grant Wallace all of SPX. ClydeUnion Pumps; Robbie McKay Consult Lift Services Ltd; Ian Cook, FMC Technologies Ltd; Scott Montgomery, Konecranes (UK) Limited; Stuart Collins, Konecranes Service Ltd; Christopher Pettigrew, McAlpine & Company Ltd; Craig Jack MB Aerospace Ltd; Christopher Savage, Metallo; Christopher Liddell, Rosti Technical Plastics UK; Garry Lessels, Darren McWilliam and Liam Gentles all of Scottish Water; Colin Scouller, Thales Group; Alisdair Smart, T Squared; David Noble, Weir Power & Industrial (Alloa)

The following trainees also completed their Railway Engineering Apprenticeship between January — April 2013
Niall Thomson and Jason Robertson both of Babcock Rail

The following trainees also completed their Customer Service Apprenticeship between January — April 2013

Level 2: Sheena Donnelly, Catherine Crawford, Shonagh Lawrie, Matthew McLean and Louise Quaradeghini all of Chivas Brothers

Level 3: Lucia Mencarelli and Robert Young both of Chivas Brothers

The following trainee also completed his Management Apprenticeship between January — April 2013

Ian Sim of Briggs Equipment UK Ltd

Level 3 - Assess Competence in the Work Environment

Sean Berry, Steve Dix, Robert Gordon, Paul McFarlane and Wayne Thompson all of the Amey Group

Level 2 - Performing Manufacturing Operations

Grant Ferguson and Craig Lambeth both of Arrell Engineering

Level 3 - Engineering Maintenance

David Scott of Lift Maintenance Ltd and Brian Reilly of B.R. Lift Services Ltd



EKGTA – Short Course Provision

Presently EKGTA can offer the following open courses, which have been scheduled for May – July 2013 and are therefore recommended for your attention:

Course Title	Dates	Duration
<u>Basic Electrical Skills for Non Electrical Personnel</u>	06/05/2013	3 Days
<u>Assessing Competence in the Workplace</u>	09/05/2013	2 Days
<u>Basic Electrical Skills for Non Electrical Personnel</u>	13/05/2013	5 Days
<u>Applied Hydraulic Introductory Course</u>	03/06/2013	3 Days
<u>3-Phase Motor Control</u>	10/06/2013	5 Days
<u>MIG Welding Introductory Course</u>	17/06/2013	3 days
<u>Thermal Cutting (Plasma)</u>	24/06/2013	3 Days
<u>17th Edition IEE Regulations (Including 1 st Amendment)</u>	03/07/2013	3 Days

For full details of the above courses and to view our full prospectus please visit our web site www.ekgta.com

Also if you have a specific training requirement, not listed, please don't hesitate to call to discuss your needs. Please note that we also offer extensive Health & Safety training which is tailored to meet client's specific requirements.

Places are available on all courses; call Derek Syme, Training Manager, on 01355 229985 or e-mail drs@ekgta.com. to secure your place.