

We have tried to squeeze in this newsletter, which we call our summer edition, although by the time most of you read it I'm sure you will have had your holidays. As we have been advising for sometime in this newsletter, the new Construction Products Regulations (CPR) standards came into force as of 1st July 2014 this year and is now a legal requirement for any structural metalwork manufactured in accordance with BSEN 1090-1:2009. This means it is now a criminal offence to supply structural metalwork, unless it conforms to this standard and carries a legitimate CE mark. All steelwork contractors are required to have a documented welding quality management system (WQMS) as detailed in BSEN ISO 3834 and a nominated Responsible Welding Co-ordinator (RWC) as identified by BSEN ISO 14731. We are very pleased to have had confirmation of our first local fabrication company; BradFabs who recently confirmed their accreditation had been approved under this new standard. Working closely with their works manager Mr. Jonathan Wiltshire and Vicki Cook the companies Office Supervisor, we developed a number of formal welding procedures for undertaking MAG, TIG and MMA welding operations on both fillet and butt welds in S355 carbon steel to ISO 15614-1. We are also pleased to confirm all their welders have also been successful in obtaining welder qualifications to BSEN 287-1 for all weldments; well done guys, we wish you every success for the future. As you might expect, since this standard came into force, we have receive many enquiries and have been very busy for other clients working in the structural

steel sectors. Other clients we have assisted and who have successfully achieved welding approvals include; DC Hargreaves, Cumbria Steel, Dynamic Steel Structures, FEM, FLD Engineering, GJF Fabs, Pipe Precision Supports, Preston Steel Structures, Stallingborough, UK Power Networks and GK&N Services. Don't forget, as well as requiring formal welding procedures and welder qualification testing, companies looking for approval under BSEN 1090-1 will also require a factory production control manual (FPCM). We are working with two specialist organisations to assist our clients with this; EQUAS www.equas.co.uk and Crown Management www.crownmanagementsystems.co.uk Both organisations will be able to assist you in this matter. Lastly, for any companies looking for training in and around the requirements for approval under ISO 3834 and/or ISO 14731, then we recommend two providers, one in the north and one in the south. For companies in the north of the country pls contact Weld-Qual on

www.weld-qual.co.uk and in the south pls contact Weld Class Solutions on www.weld-class-solutions.co.uk

Speciality Welds Ltd is absolutely delighted to announce that NYD (Norsk Yrkesdykkersole) commercial diving school, based at Fagerstrand Quay, Nesodden in the south of Oslo has recently successfully completed their instructor and administrator training, allowing them to deliver the highly acclaimed Weldcraft-pro™ underwater welding course. The photo below shows Hakon Larsen (far left) who will be responsible for the administration of the course and Cem Durgan (middle right), NYD's welding instructor. Also in the photo is David Keats, the author and Leo McCormack, the companies' Senior Welding Instructor (far right). The Weldcraft-Pro™ training course is an 80 hour syllabus that follows the European Welding Federation (EWF) guidelines for underwater fillet-welder on plate. The course is certified through EAL. EAL is part of SEMTA - Sector Skills Council for





Science, Engineering and Manufacturing Technologies and is the UK's leading awarding-body for engineering qualifications. This certification provides independent, quality assured, audited controls, thus, making it the only externally awarded wet welding training programme to issue internationally recognised/verified qualifications anywhere in the world. The programme is also recognised by IMarEST, The Institute of Marine Engineering, Science and Technology under their CPD programme. The course is offered to commercial diving schools, following approval of their instructors and administrators, under a licence agreement, where Speciality Welds provides all the learning materials, exam papers, audit controls and delivery mechanisms to deliver and control training. Training is divided into dry and wet welding, together with a series of learning outcomes (LOC) where candidates must complete written work and take an end of

course exam. Practical welder qualification testing is provided under BSEN ISO 15618-1: 2002. Training is open to both non-welders and welders alike and provides for the essential skills foundation training for a commercial diver, to ensure they meet industry demands now and in the future. The course is available through the following training partners, in the following countries, **Professional Diving Academy** – Scotland, **Divewise** – Belgium, **Gothenburg Commercial Diving School** – Sweden, **Marex Subsea Welds** – Greece, **MM Matrix Integrity** – Malaysia, **NYD** – Norway and also **Commercial Diving Academy** – USA. Any diving schools that would like to be considered for running the Weldcraft-Pro welding programme, should in the first instance, email us on sales@specialwelds.com, or you can download an application form directly from our website at www.specialwelds.com but please

remember; we will only appoint one school per country. We currently have expressions of interest from schools in Spain, South Africa Singapore and most recently Panama.

Seawork Marine Services sent a dive team to attend our welder training centre, here in West Yorkshire, for bespoke training and certification course. The dive team which consisted of 4 divers undertook our standard 5 day training programme, which is a practical hands-on programme of training and is designed to equip divers with the minimum standards to produce fillet welds on plate, in the PB and/or PG welding positions, to BS4872-1 (class II) standards.

We have seen a big increase in private funding welders attending our centre, mainly to obtain class I welding codes, like ASME IX, BSEN 287-1 and ISO 9606, mostly in the 6G position, which is the most difficult pipe welding position, with MMA and TIG welding being the most popular, but also we have seen an increase in FCAW enquiries. We had the first oxy-acetylene gas welding code test



"FUSION LINE"

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we've seen for a few years, with **Ventura Chapman** attending to take their weld tests. Well done guys, a nice job skilfully done.

Many of the welders we are seeing are emigrating off to Australia. Although we wish them every success, we are concerned that the flow of skills is heading in the wrong direction, as the shortage of highly skilled welders in the UK is at an all time low. Other clients who have invested in our welder training services this last quarter include; **Ace Engineers, S&S Fabtech, Power-Therm, Wm. Morrisons, AIM Aviation, GJF Fabrications, APP Lifting, NPS Fabs, NG Bailey, Hedley Hydraulics, Kirkgate Engineering, Flexitallic, NPS Fabs, Energas, JBC Industrial Services, Calvert Site Services, Oldroyd Intec, JK Fabs, Burgess & Co, Heaver Tech, Energas, Winder Power** and last but not least, **UK Power Networks**, who keep the



electricity flowing (see photo below). As the only accredited school in the country with our own 'in-house' Zurich approved welding surveyor, you can take a weld test whenever you are ready, no need to pre-book a time, or even a day. We offer a wide range of training and certification services in MMA, TIG, MIG/MAG, FCAW, oxycetylene welding and cutting and brazing in sheet, plate and pipe materials in c/steel, stainless and aluminium alloys. We are also pleased to offer

both practical hands-on and/or classroom lead training using **Gas-Safe Consultants Ltd** teaching materials for oxy-fuel set-up, safe operating and maintenance checks. If you have a requirement to train or certify your welders, please call us on 01274 879867 or email us on sales@specialwelds.com



A recent visit to **The National Hyperbaric Centre**, in Aberdeen was requested by **Subsea 7** in order to evaluate the **Swordfish** arc-cutting electrode to remove a large nut from a bolt. The cutting operation was made particularly difficult, as it was in close proximity to a flange that wasn't to be damaged in any way. Initially a dry cutting demo was performed by David Keats in front of the client and then the sat dive team had ago underwater in NHC outdoor dive tank, which can be seen in the background of the photo (top right). The trials showed the **Swordfish** was able to remove the nut, although not quite as quickly as was achieved using the oxy-arc process. As there was no foreseen danger of trapped gases becoming a safety issue, we missed out on this occasion, but we are looking to further develop the **Swordfish** electrode to allow for nitrogen gas to flow down a hole in the centre

of the electrode; we'll keep you posted.

We are of course delighted to remain of service to **Planet Platforms**, who have now utilised our training and testing service for over 8 years now. **Planet Platforms** offer bespoke built aluminium access platforms to customers like Rolls Royce, Airbus, Coco-Cola and Proctor and Gamble to name a few. Photo show Simon practicing aluminium welding of sit-on branch fillet welds.



We are delighted to see the **Chamfo** range of beveling tools continuing to show strong sales. These tools offer a low cost, yet a very precise method of beveling plate and/or pipe for weld preparation. The tool which is Korean build by **Daesung** offers a wide range of tools, but for us in the welding game their GTW range is our biggest selling tool. We offer all three models; the largest which is still a hand held tool, allows for putting a 45° weld bevel on steel, stainless and aluminium materials of over 30mm wall thickness and we carry the full range in stock. There is also the GTW2100 and the GTW1500 in the range. To learn more about these tools do please visit our website at www.specialwelds.com We would like to say thank you to **Henry Smith's** who recently had a demonstration of the **Chamfo GTW2700** and were so impressed bought one and ordered another

one shortly afterwards in order to bevel 30mm steel plates.

We are pleased to learn our distributor **Arc Subsea** based in Perth, WA are reporting back with great news on customer feedback about our products. Well done Phillip, keep up the good work.

Other distributors and/or suppliers around the world where you can purchase our products include; **Unique Systems, SMP, Chamber Oceananics, – UK, BPN - Poland, Terrosystem – Sweden, Marex Subsea Welds– Greece, Advanced Marine, Trim Systems and Sea & Land Technologies – Singapore, Arwell – Finland, Divewise, Pommec, Dutch Diving, and ICH Hytech – Netherlands, MM Matrix Integrity – Malaysia, Kilf, - Iceland, United Stirling – Hong Kong, Aquatica – Italy, Jack Vilas and Amron - USA.**



Another visit to **Onesubsea's** base (formally Cameron's) for **S&S Fabtech** to carry out welding inspection of door hinges and interlocking mechanisms on another huge set of blast doors, as we showed you in the last newsletter. These new structures are being installed to improve safety for the pressure testing on the offshore blowout preventers (BOP).



We would also like to thank the following customers for their continued support this last quarter; **Global Energy Group, UCC Dive, Trim Systems, UMC International, Divers UK, Kaymac Marine, IHC Hytech BV, Titian Maritime, BNP, NHC, Valkyrie Diving, Guernsey Harbours, Gurye Bros, LJ George & Son, DUC, Leak Marine, SMP, Denso Marston, Calvert Site Services, PDA, Shearwater Marine services, Future Industrial Welding services, Shaff Bros Dubai, Terrosystem, UWC, Marex, Divewise, Marine Specialists, Chambers Oceananics, Peter Nobel, TPSMI, Tuukritode OU, DW Scientific.** Hope we didn't miss anybody, until next time, happy welding to one and all.