

Hycrome Apprenticeships Get Royal Approval



Pictured with Prince Charles is Stephen Kelly and Zayanah Mansor

When the Prince of Wales visited Burnley recently he chose to spend some time reviewing the facilities in the Advanced Engineering Department at Burnley College. Hycrome Operations Director Stephen Kelly and second year apprentice Zayanah Mansor were invited to represent local companies who utilized the training facilities at the college. As the Prince looked around the engineering department he was given a demonstration of the college's 3D printer by Zayanah while Stephen discussed the benefits of the apprenticeship programme and the advantage of having a local college linked to the University of Central Lancashire to allow engineering education up to degree level within the town.

Zayanah also impressed the Prince by showing him a turbine blade manufactured by Hycrome that had been welded using the recently installed laser welder. Later in the day the Prince held a lunch reception at Townley Hall where he met other invited guests representing local industry including Hycrome MD Andrew Bailey and Sales Representative Paul Sconce. In his speech he said that he was impressed with the enthusiasm of the young employees in the region and the commitment of employers in providing training for advanced engineering.

- 1 Hycrome Apprenticeship Get Royal Approval
- 2 Contents
- 3 Control Valve Development
- 4 Trinidad News
- 5 ImechE Young Engineers / ImechE Achievement
- 6 Southampton Opening Day
- 7 Western Turbine Users Inc, Exhibition and Conference, San Diego, 2010 / Woodward Success
- 8 Score Group Website releases
- 9 S.T.A.M.P. ISO Accreditation / AUG / MUG Conference and Exhibition San Antonio, Texas
- 10 Constant Systems Update
- 11 Far Travelled Apprentice - Andrew Slessor
- 12 Meet the Director - Neil Jackson
- 13 A Day in the life of an Instrument Technician

Control Valve Development

Score recently completed the upgrade and overhaul of a level control valve for BHP Billiton, Lennox Platform. The service is very severe involving crude oil which is flashing off into a vapour which has the effect of accelerating erosion damage. The crude oil also contains sand particulates, some as large as 1/2 inch diameter which can cause serious damage when impacting against the internal components. The client required an upgraded trim to extend the operating life of the valve. We designed and manufactured a solution utilizing the extremely hard characteristic of tungsten carbide. The internal components of the valve which are subjected to the highly erosive liquid were manufactured in tungsten carbide, namely; the plug, multi-hole guide and seat. The guide was protected from the impact of the sand stones with the inclusion of a steel 'Brickstopper' which is an outer cage acting as a shield. The valve was assembled and successfully passed hydrostatic pressure and seat tests. The valve performed exceptionally well during seat testing, leaking only 4 cc/min with a maximum allowable of 918 cc/min. This is testament to the high quality of design, manufacture and assembly and thanks go to all involved. The valve is being held in BHP stock, ready for installation at the next outage.



During February, Score Brighthouse overhauled 133 control valves as part of a major shutdown work scope. The opportunity was taken to test these valves using Score's V-Scan Diagnostic System both before and after overhaul. Some of the valves could not be tested, because they were delivered with incomplete instrumentation. Out of 100 valves which could be tested, analysis of the results found that 42 did not need to be removed from the line, as they needed no attention or could have been rectified on site. Looking at removal and re-installation costs alone, this would have saved the client £168,000. This data will be invaluable when promoting the value of using Score's V-Scan Diagnostic System to our customers in future. Thanks go to all involved, who often worked unsociable hours to get the testing completed without affecting the overhaul schedules.

Our control valve capabilities, described at the Peterhead Lunch & Learn as "Score's best kept secret," were showcased once again during our Lowestoft Road Show in early March. Presentations and demonstrations of our abilities were delivered at various client locations by Evan Pride, Steve Abel and Glynn Mather. The locations visited were Petrofac at Bacton Gas Terminal, Great Yarmouth Power Station and Perenco at both their Bacton and Great Yarmouth locations. Evan started proceedings with an introduction to Score, followed by a presentation by Steve on control valve technology. Glynn then delivered a presentation on Score's V-Scan diagnostic capabilities, followed by a presentation on valve management strategies by Steve. The presentations were concluded with a live demonstration of V-Scan followed by informal discussions. The visits were considered to be a huge success and have helped solidify the relationships which Evan has already developed.

It is the intention to roll-out the road show to other Score locations that feel they will benefit and discussions are already underway. If you would like to run a Road Show or Lunch & Learn at your location, please do not hesitate to get in touch.

By Steve Abel - Senior Engineer



Trinidad News!

Score Valves Scores BIG with BHP Billiton

Score Valves (Trinidad & Tobago) Limited has been successful in securing a five year with 2 one year extension contract with offshore giant, BHP Billiton Trinidad Limited. Score was delighted to win this contract in the face of strong local competition in the field of valve maintenance.



These contracts will ensure the provision of top class valve maintenance services for the next seven years for BHP and, form a excellent platform of optimism for a successful and continuous partnership with BHP Billiton Trinidad Limited.

Score Valves Carnival People

Some fun loving employees of Score Valves (Trinidad & Tobago) Limited had the time of their lives this Carnival season. They were part of the explosion of colour, music, revelry and creativity that encompasses Trinidad's Carnival. No Carnival comes close to a Trini Carnival nor can it rival the abandon, euphoria and stunning spectacle of the festival. This is displayed by employees Fiona Morrice and David Cheyne (pictured below) first time participants in J'Ouvert Celebrations which began in downtown Port of Spain as early as 4 a.m. on Carnival Monday.

On Carnival Tuesday Fiona Morrice and Cindy Lemet looked splendid in their burgundy costumes and had a great time dancing with the Mas band Spice and Co. Their never ending energy was fuelled by exhilaration and the energetic rhythms of sweet soca. Until the carnival comes back again, these fun lovers have the memories of a great time to cherish.



Fiona Morrice and Cindy Lemet



David Cheyne and Fiona Morrice

IMechE Young Members Panel Meet & Greet

On the 26th of January, the Institute of Mechanical Engineers (IMechE), Aberdeen Young Members Panel (YMP) held a 'Meet & Greet' event in the VITAL lecture theatre at Score, Wellbank. The event provided an opportunity to meet members from the local panel, find out who they are and gain an insight into what they do within the area. Furthermore, a presentation on EngTech registration was given, detailing what EngTech is about, the benefits of registering and how to go about applying.

The event was attended by 22 people, attracting existing EngTech's, representatives from the Banff and Buchan College of Further Education and other interested candidates. The majority of attendees were Score personnel, demonstrating our ongoing commitment to seek and attain the highest levels of mechanical engineering competency and recognition within our company.

The event was opened by Laura Doyles, Chair of the Aberdeen YMP. This was followed by a presentation from Ronald Simpson, Secretary of the Aberdeen YMP, highlighting what the panel does, where it meets and an insight to previous and forthcoming events. The main focus on the evening was EngTech registration. This was presented by Bruce Taylor, current panel vice secretary and the event organiser. The presentations were followed by refreshments and a chance to ask any questions of the panel members.



Bruce Taylor



Ronald Simpson

The Young Members Panel meets on the first Tuesday of every month and the next meeting will be held at The Old School House, Belmont Street, Aberdeen, 19.00 for 19.30.

The panel is always looking for ideas regarding new events and would like to hear your point of view. Currently the panel is also on the lookout for an EngTech representative for the area. If you feel this role is for you, please get in touch.

The Institution of Mechanical Engineers Area Manager expressed how very impressed she was with the level and standards of applications received from Score Engineering Technicians. Following the recent accreditation inspection, she was delighted to issue the I.Mech.E. Eng. Tech. accreditation certificate in recognition of Score's commitment to professional standards of service, to all its clients.

If anyone would like further information on the Aberdeen YMP please contact Ronald Simpson or Bruce Taylor and for EngTech Registration please contact J. Bruce Buchan (Eng).

More information regarding the Aberdeen YMP can also be found at our website: <http://nearyou.imeche.org.uk/uk/scot/RUYAB/>

ImechE Achievement

On the 27th of January 2010 J Bruce Buchan achieved his registration as a chartered environmentalist. This is awarded by the Institute of Mechanical Engineers of which Bruce is already a member and he actively promotes with the Peterhead engineering pool in Score. Congratulations Bruce!

Southampton Opening

On the 24th March, Score (Europe) Limited officially opened their new facility at South Hampshire Industrial Estate, Southampton. The new facility has been extensively equipped, with the latest technology pressure test cells, a substantial racking area and a general assembly area, as well as office facilities.

General Manager, Forbes Skakle has overseen much of the set-up, supported at all times by Ian Cheyne, Group Operations Director and aided where required by others from the Score team including Brighthouse and Peterhead personnel.

The oil refinery at Fawley is just one of the drivers behind Score setting up the local workshop in this area. There are many other opportunities in the power generation, naval, marine, pharmaceutical, chemical and other markets in this region.

The opening day was a well run and organised event, where a number of clients and potential clients were invited to come and see the newly resourced facilities and to talk to some of the Score representatives that were in attendance from the various facets of the Group. One of the clients had even flown in from the Czech Republic to attend the event.

Rather than extending an open ended "all-day" invitation, a decision was taken to compress the visiting time into to a fixed period between 1.00pm and 4.00pm and this worked very well, making the premises look busy at all times.

The attending guests appeared impressed with what the company is offering in terms of facilities, products, services, experience, intelligence, engineering, testing, product management and training opportunities.

It was agreed by all at the event that the hard work in setting up the business, the facility and the opening day itself, had given Southampton a great start. Some new business contacts were established, existing contacts were advanced and some real new opportunities to chase were identified, moving forward.

We would like to wish the Southampton team all the best and may it grow from strength to strength.



Southampton Building



Workshop Area

Western Turbine Users Inc, Exhibition and Conference, San Diego, 2010

Score Energy exhibited for the first time at the annual W.T.U.I Conference, which was held in San Diego this year. This event was in fact W.T.U.I's 20th anniversary and so attracted a record turnout. As its title infers, the conference was originally set up as a discussion group for owners and users of the GE range of LM (Land & Marine) Gas Turbine Engines based in the United States. Over the years, the conference has grown and now attracts world wide operators and convening members of their supply chain, manufacturers and repair & overhaul facilities including all the major engine Service Centres such as GE, MTU, TCT, Air New Zealand, Avio & IHI.

Having such a large portion of Fuel Systems & Accessories customers all under one roof ensured we had a busy stand. It was an ideal opportunity to update stakeholders on our expanding capabilities, including the Woodward product range.



Bruce Buchan Jnr pictured at stand

A 'pop up' stand design which fits neatly into a travel crate was chosen for this overseas exhibition, making it easy to transport. The exhibition equipment and travel crate can not only be reused for the WTUI show each year, but will also be available for other Score locations to use as required for any similar shows in the Middle East, Asia etc.



Woodward Contract Kicks Off!

On the 24th of January, three members of the Score Energy Team, Martin Kelman, Gregory Smedley and Stuart Lawrence travelled to the Woodward headquarters in Fort Collins Colorado. The main purpose of the visit was to receive training on some of Woodward's key products and gain knowledge of the test stands and subsequently duplicate back in our Peterhead Facility. After an introduction with John Emery (Woodward Marketing Director), they were introduced to the Woodward Technical Team and following that, worked closely with Randy Bell and Neil Lewis in the repair workshop focusing on strip, inspection, assembly and testing of Woodward products. At the end of the three week trip all objectives were met and a strong working relationship was established between both teams.

This follows on from Score Energy's success in October 2009 in signing an agreement with Woodward Governor to become the world's only approved provider of "Full-Service" accessory and auxiliary repairs outside Woodward's own in Fort Collins, Colorado USA.

The Score Energy team look forward to further developing their partnership with Woodward Governor in the future.



Stuart Lawrence

Score Group Website Releases

With the Score Group of companies recently increasing emphasis on corporate image with all promotional and related materials, a proposal was put forward to director level to update the Group website to align with this.

After fine-tweaking several aspects, the final result, released on 19th February, was a more user-friendly website, with each section more accessible in a less cluttered, flowing format.

As expected, there was a large increase in visits to the new look Score Group website on Monday 22nd February, (a 50% increase on views to the home page from the previous Monday was recorded).

The improved Media section proved to be popular with users, attracting 20 times more views on the Monday after the release, than its average page view in its previous form.

Working in conjunction with IT, S.T.A.M.P. implemented steps to increase security and prevent form spamming using reCAPTCHA on online forms. This is the same technology as seen on large commercial sites, such as Ticketmaster and Facebook.



Also, to tie in with the Score Group corporate image, Score Atlanta and Score Trinidad have had websites created, using the same format. The Score Atlanta website went live on Thursday 4th March and Score Trinidad on 8th March.

In addition to this, Constant Systems have had their web presence renovated. Again, this provides a better user experience, with information in an organised, structured layout, while also being visually pleasant to the viewer and including a degree of interactivity.

S.T.A.M.P. will continue to be proactive in efforts to boost these new sites up search engine rankings, and maintain high results to enhance our internet footprint.



S.T.A.M.P. ISO Accreditation

Following a period of hard work and preparation, on the 10th February Score Training And Multimedia Productions Limited were audited by Lloyds Register Quality Assurance (LRQA) for compliance against the Quality Management System standard ISO 9001:2008.

The one day audit went very well and S.T.A.M.P. Limited gained their ISO 9001 accreditation with no non conformances. Our thanks go to the whole team based in Wellbank who have worked hard to achieve this accreditation. Special thanks go to Andy Buchan Quality Manager for his advice and guidance leading up to and on the day of the audit and to Nigel Cordiner, who took the lead from the S.T.A.M.P. side.

The ISO 9001:2008 accreditation is good news for S.T.A.M.P. as a company as it will enable us to market our extensive knowledge in training and training delivery to a greater customer base showing our clients that as a company, we are committed to quality and continual improvement. We are constantly reviewing and improving our systems and procedures to ensure that we retain our accreditation and as a company remain focused on continually improving all the services we provide.

As well as creating and delivering training requested by personnel within the Score Group through VITAL Skills and presenter-led sessions, S.T.A.M.P. have also delivered training to third party customers including Petrofac, Nexen and Chevron since April 2009.

Through the design and production of printed and electronic publications and control of the Group's corporate image, as well as the development of web-based sales and marketing strategies and campaigns, the company has continued to expand their services which are available to all Group companies, upon request.



Andrew Buchan pictured with Nigel Cordiner

AUG / MUG Conference and Exhibition San Antonio, Texas, January 2010

As the Air Operated and Motor Operated Valve User Groups once again gathered in the USA for their annual conference, the Score Group pitched their engineered products and services to the nuclear and associated energy industries personnel attending the exhibition, which runs alongside the conference.

A cross section of the Score valve diagnostics, acoustic sensor, engineering, sales and marketing team's personnel from the Group's USA, Australian and UK operations also met to develop and push forward their latest technology projects and businesses. In their time spent in the project development meetings, the group, led by Chairman Charles Ritchie, pushed forward the V-Map, V-Scan and Acoustic Monitoring products and services.



Additionally, time was spent on developing PowerPoint presentations to support the sales and marketing of two new Score engineered products, namely "Welbuk Valve TM" and "Midas Meter TM". More information on these products is available on request.



Constant Systems Update...

Constant Systems Inc attended the C Pep Talk tradeshow - San Diego in January. We were able to talk with several key decision makers in the research market about our products and how we can assist them with their research. One major company was Pioneer based just out of San Francisco, CA. They initially agreed to a demo and following this, have committed to purchasing 2 machines and becoming a Centre of Excellence for us on the West Coast. Orders expected in April.



University of Michigan

Constant Systems Inc, recently held a demonstration and sale at the University of Michigan, which is among one of the top rated Universities in the US. The school has also elected to become a Centre of Excellence for Constant Systems. Becoming a Centre of Excellence commits the University to provide access for us to hold demonstrations/meetings at the facility, so we can promote our products to other local customers. Also, they provide references for potential customers and quotes and comments for marketing. In addition to this, we have access to any written papers that include our equipment. These written papers explain how to complete a process and achieve the results needed. In many cases, if another lab wants to complete similar work, then they look to copy the paper in every detail, including the equipment used within the process.

Constant Systems has established a working partnership with Flownamics within the upper Midwest region of the US. Flownamics will assist Constant Systems with marketing, sales and aftermarket support within this area. Flownamics are currently working on several leads and we are confident in having our first joint sale within the next 6 months

Working with S.T.A.M.P., Constant Systems have revamped and re-launched its website in March. The new format makes the site more user friendly and is designed to attract more internet traffic.

Far Travelled Apprentice - Andrew Slessor

I started my apprenticeship at Score in 2005! The kick start to my career at Score was the training centre which I really enjoyed; it really helps you be prepared for working down on the main Score sites. The first workshop I worked in after the training centre was Sales Mods, there after I have been in the CRL department, maintenance department and the crane warehouse where I am currently situated. In the first 4 years of my apprenticeship I was attending college on a weekly basis to gain my NC, SVQ Level 2, HNC and SQV Level 3.

When I was asked to go away and work for Score in another country, I jumped at the chance as travelling is something I have always wanted to do. In the future, I would love the opportunity to move permanently to one of the many remote locations. So far, in my journey with Score, I have been to Trinidad and Tobago and Norway. I was in Trinidad for 1 month and it was amazing and although my first priority was work, I did make some time to explore the island. I have been over to Norway 3 times now, which I also enjoyed. I would be happy to go back to either of these places again. In the next couple of months, I am also hoping to do my RGIT and get the opportunity work offshore.

In 5 years time, I see myself still working for Score, either in a remote location or working full time in the CRL department. Anyone that is thinking of applying for an apprenticeship at Score, I'd say go for it! You will never be given opportunities like these as an apprentice in other engineering companies.



Trinidad And Tobago

Meet the Director - Neil Jackson



My name is Neil Jackson, I joined Score in 1999 and I now manage Score's operations in Brighouse and Lowestoft, I'm also the Operations Director for Qualtec Control Ltd. I live in Huddersfield with my partner Rebecca and my 2 young daughters Isabella & Zara.

When you were a child, what did you really want to be when you grew up?
When I was very young I wanted to be a policeman, blew that early on though.

Do you have any hobbies?
Golf and Motorbikes.

What would you say is your biggest achievement in life to date?
Has to be getting asked to fill this slot in the Score Newsletter.

What makes you smile?
The Kids - The innocence and simplicity in how they see life - I really wish that was how it was..

What makes you angry?
Those who think they're owed a living.

Other than 'at home', what's your most favourite place in the world?
A 90 degree day, somewhere in the Yorkshire Countryside, no network coverage, just me Becca and the kids.

Who is the most famous person you have met?
Exchanged a couple of words with Prince Charles when he visited Brighouse in the 80's - he asked me if we'd been waiting long and whether the young lady sat on my shoulders was heavy, I made some fly response which he liked but she didn't.

If you could ask someone famous a question, who and what would you ask?
Valentino Rossi - If you were in a different sport do you believe you would go down in history as the best sportsman that ever lived?

What is the best lesson you ever learned?
August 27th 2003 - Make sure the road ahead is clear before you chance it!! Taught me a few things

1. Don't take anything for granted.
2. You're not invincible.
3. PPE is the best investment you've made so far.
4. Sometimes it just all comes down to luck.

What advice would you give to someone still at school that wanted to become an Engineering or Administration Trainee?
Decide what you want, set yourself a goal and go for it. Believe in yourself and you can achieve anything you set out to achieve.

A Day in the life of

...an Instrument Technician

08.00 We have a short discussion with our team leader to discuss the job that we would be working on for that day. This is normally prioritised by the job completion date.

08.15 If the job involves building a control system we first need to receive the customer specific requirements. This is normally given to us by our office based personnel.

08.30 We then read over the paperwork in the work pack for example the schematic and the parts list. These are the most important documents required to carry out this specific job. Also, photos of previous builds may be included in the work pack to aid the build of the control system. All components required for the build are then looked out.

09.30 Retrieve actuator and check if it requires testing, if so fill out a valve operator QA card and ask for the test pressures from the QA Department. After test, the actuator is fitted to a mobile work bench and a unique number is hard stamped onto its body.

10.30 Fit enclosed breather components to the actuator and complete all pipe work needed for the enclosed breather to function. We then build the panel as per the schematic. This is then fitted to the actuator, joined with the enclosed breather.

16.00 We would check over all fittings using a gap inspection gauge. This is to ensure that all fittings have been tightened correctly. We would then prepare for the system test.

16.30 Once the system is tested, I then get the team leader or deputy to witness the system test. I would then proceed on to clean up the work area and place all tooling back in the correct place.

16.50 System is secured on a box pallet for QA inspection and shipping.



**We would like to thank the Valve Automation Apprentice who wrote this for us.
We would love to hear from readers, their opinions and suggestions of this
feature for future release.**