

# What's the Score?

October Edition 2009

## Score A/S Approved - OLF Valve Course Supplier

OLF (The Norwegian Oil Industry Association) has together with the operating companies in the Norwegian sector started a project called The Industry Requirement Project.

The purpose of this project is to lift the competence levels for everyone operating equipment on hydrocarbon leading installations. The project prepares curriculums for all who are going to supervise or perform work on valves, flanges, fittings on pressure containing hydrocarbon leading systems.

The main goal of this training is to give personnel a basic knowledge about the construction, work areas, safe operation and maintenance of different kinds of valves.

The participants will with this training be better equipped to work safely with valves.

The participants at end of this course will know how to:

- Operate the different kinds of valves in an optimal way.
- Tell the difference between the different types of valves.
- State if a valve is working satisfactory.
- Test valves.
- Carry out line maintenance.
- Make sure that the valves are not leaking to atmosphere.
- Remove and install valves in line.

The duration of the course is a full working week (37.5 hours) and the course ends with a final written test to ensure that all participants have sufficient knowledge of valves. Having passed the written test the participants will get a certificate of competence for having accomplished basic training on valves. This certification is achieved after having passed an OLF approved test. The duration of this certification is 4 years. Recertification can be achieved by going through an interactive repeat module, and then sitting a new final test. If this final test is not passed the candidate will have to retake the training course.

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Stian Kvaal and Knut-Leif Forland

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## Thanks

A big thank you goes out once again to everyone who submitted material for this edition of the newsletter. Without the support of all the authors and photographers around the Score Group who contributed their work, it would never have been possible to release such a diverse publication. Many thanks to you all and we look forward to receiving your further contributions for the next issue.

Kindest Regards,  
Newsletter Team  
Score **Group plc**

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Score A/S has now officially been approved by OLF to supply these courses to the industry as one of only two approved suppliers in Norway. Score A/S is also the first and currently the only supplier of that can provide the course in English as well as Norwegian. Following this approval Score has in addition implemented the course activities into the ISO 9001 certificate, and has after recent recertification received a new ISO 9001:2008 certificate stating "Supply of competence/training courses, on valves and ancillary equipment" signed and approved by DNV.

### WHO IS OLF?

OLF is a professional body and employer's association for oil and supplier companies, engaged in the field of exploration and production of oil and gas on the Norwegian Continental Shelf. OLF is a member of the Confederation of Norwegian Business and Industry (NHO). OLF connects 47 oil-/gas companies and 58 supplier companies on the Norwegian shelf. The member companies represent approx 29,000 employees.

OLF's task is to lead the industry's joint effort for development of a progressive and competitive petroleum industry with a good reputation and good connections with the authorities, stakeholders and public opinion. OLF shall be a unifying, efficient and effective organization which shall emerge as the petroleum industry's foremost advocate in matters that concern the entire sector. Chairman of Score Group added in a correspondence recently "We are the second company in Norway to be approved. This is a major step forward for us and I would like to thank all the parties that have created the training programs that have got approval today. Score Training And Multimedia Productions in particular, and the Norwegian team at Score AS that Norwegianised it are more than due our recognition."

## Score Trinidad Approval

On the 26th of August, Score Trinidad received two certificates after almost 3 weeks of auditing by ALNG, Ministry of Energy and the National Board. Score Trinidad have completed their VR certification audit and their Manual has been approved by the National Board in the US. All testing on the PSV's they repaired were inspected by the National Board and passed all testing. The said valves are now on route to the laboratory in the US for further testing and if all pass then they will be issued with their VR certification.

Graeme Stephen of Score T&T added, "We did take this one step further than we originally applied for which was for recertification only. However since we have equipment and a qualified machinist we were audited on our machining capabilities and we can recertify/machine and change set pressure and lift capacities and stamp it with the NB/VR stamp. This means that any PSV manufactured in accordance with the ASME code, having this will make it a lot easier to get all ALNG's PSV under our remit."

A big well done to all at Score Trinidad and Tobago Limited on this achievement.



Score Trinidad & Tobago



Score Valves (Trinidad & Tobago) Limited

Intelligent Valve Management™

## Oil Sands At Fort McMurray

Alberta has the second largest deposit of oil in the world. Only Saudi Arabia can claim a larger stock pile of crude. 173 billion of Alberta's 179 billion barrels of oil have the special quality of being bitumen, something that has been developed for a long time but becomes more important as the so called "easy" oil continues to deplete. The figure of 173 billion barrels represents what is considered economically recoverable within today's technology, however many of the new plants in Fort McMurray have adopted new technologies like steam injection, which could make the reserve estimate as high as 315 billion barrels. There are three major bitumen (or oil sands) deposits in Alberta, the largest is the Athabasca deposit within the Fort McMurray area. The second largest deposit is called the Cold Lake deposit, lying just south of Athabasca in the centre of Cold Lake, and the third and smallest deposit is known as Peace River which is located Northwest of Alberta. The existence of bitumen in Alberta has been known for many years. The first mention of it in Canadian history was in 1917, when a Cree Native named Wapasu brought a sample of the "gum" to a Hudson Bay trading post and was originally used to waterproof their canoes.

Today, bitumen is produced by two processes Mining in Situ, and Steam Assisted Gravity Drainage (SAGD). Presently, the majority of oil sands production is done by surface mining, but this will change in the future as 80% of Alberta's bitumen deposits are too deep to economically employ this technology. The second means SAGD, involves injecting high pressure steam into directional wells within the reservoir, that melts the bitumen and is pumped to the surface. It is full steam ahead to produce oil from the Albertan Oil Sands. One advert states that there is enough oil within the Americas to be self sufficient for the next 99 years, even though they predict the population of the world will rise to 9 billion. As a result of this, every major oil company is now established in Western Canada. These include Shell, BP, Chevron, CNRL, Exxon Mobile, Suncor, Imperial Oil, Syncrude, Total, Huskey, EnCana, and ConocoPhillips and many, many more. There are some I have never even heard of. Fort McMurray is certainly going to be a hotspot come another 5 years, as 2014/2015 is being predicted as important years. There is also a lot of mining around the state of Alberta, British Columbia and Saskatchewan, as well as other un-mined oil reserves, so there is a big market out here for us to explore over the coming years.

By Jackie Ironside  
Business Unit Team Leader



# Score Asia Sdn Bhd

**Upcoming main hub in the Asia region for ex-stock valves and repair jobs.**

Score Asia Sdn Bhd is fast expanding, all thanks to its highly dedicated team of staff, the soul of the company. Recently, Score Asia has re-organised its store in Port Klang Free Zone (PKFZ), a free zone area in Pulau Indah, Malaysia, with the help of Kevin Gibb from Score (Europe) Ltd, Peterhead, Scotland. Kevin was in Malaysia for about 3 weeks to assist Score Asia with some warehouse / store procedures. Kevin's presence in Malaysia has certainly brought Score Asia to greater heights, gaining various valuable knowledge and experiences pertaining to store management, which is an added advantage to learn from the 'Maestro' himself. At this moment, Score Asia's store houses approximately 400 valves carrying various brand names like MIR Valves, Larsen & Toubro, Charles Winn, Goodwin, Bonney Forge, just to quote some. More valves are expected to be delivered to the warehouse sometime in September or October. Besides dealing with valves enquiries, Score Asia is also actively involved in a series of repair jobs, in collaboration with Score Pacific Pty, mainly within the South-East Asian region, covering Indonesia and Singapore.

The Management of Score Asia would like take this opportunity to show it's appreciation to everyone who was involved in setting up the warehouse/store.



**Score Asia warehouse after receipt of goods**



**Babies ready for sale!!**



**Thank You Kevin**



**Receipt of MIR Valves**



# NASA Visits Score

On the 24th of June former astronaut Richard N Richards paid a visit to Score's facility at Wellbank. Richards served in the United States Navy as a test pilot and has flown 16 types of aircraft during his flying career. Richards left the US Navy in 1980 to join the NASA astronaut programme.

Richards, a veteran of 4 shuttle flights, has spent over 33 days in space. During his 4 flights Richards has orbited the earth 544 times covering more than 14 million miles. His first mission was in 1989 and his last flight was in 1994. The missions Richards flew on were STS-28, STS-41, STS-50 and STS-64.

From April 1995 Richards worked at Johnson Space Center working as Mission Director for the Hubble Space Telescope. On leaving NASA Richards then worked for Boeing before retiring in 2007.

Richards is involved in visiting schools in the US giving talks on NASA and the Space programme as well as encouraging pupils to take an interest in Sciences.

On his visit to Wellbank Mr Richards was given a tour of the facility by Gregory Smedley and Ian Milne of Score Energy. During the visit an Avon Industrial Gas Turbine was fired up on the test bed and put through its paces. Mr Richards was very impressed by the facilities at Score and the company's ongoing commitment to training and its continual work in training a new generation of engineers through the company's apprenticeship programme.

Over lunch, a presentation on Score's apprenticeship programme was given by Nigel Cordiner of S.T.A.M.P and David Moir from Score Energy. Mr Richards talked on his experiences in space and what it was like to go into space commenting on the effects of weightlessness and what it was like to fly the Space Shuttle. After lunch Mr Richards met a group of Score Energy employees including a number of apprentices and was given a tour of the test cell.

Score would like to thank Richard Richards for taking the time to visit and for being able to share some of his experiences of what it was like being an astronaut.



**Richards pictured centre with (L-R) Conrad Ritchie, Gregory Smedley, Nigel Cordiner & Gordon Milne**



**Richard & Gregory**

## CSL Update...

### Constant Systems Ltd

Following on with the theme set by Constant Systems Inc, Cancer Research Technology (CRT) also had a system successfully installed in July. The CRT Discovery Laboratories in which the system is being used focus on discovering new targets for drugs to treat cancers. The laboratory researches and targets opportunities for new therapeutics, test them and then work with drug companies to get them to market. This allows the institute to concentrate on the research efficiently before forming partnerships within industry to bring the drugs into clinical development. Constant Systems has also seen their first two sales into the Middle East this summer with systems ready to be dispatched to the University of Damascus in Syria and KAUST in Saudi Arabia. The Saudi Arabian University, KAUST (King Abdullah University of Science and Technology), is to have its inauguration ceremony September 23rd. This will be held for Heads of State, Presidents and leadership of the world's top universities, distinguished scientists, including Nobel Laureates in physics and chemistry and global business leaders.

### Constant Systems Inc

The West Coast of the US is home to 2 new cell disrupters. The first follows a successful demonstration at Fred Hutchinson Cancer Research Institute mentioned in the last edition. As suggested by their name, their main focus is to research, understand, search for treatment and eventually prevent cancer. Our system has been installed in a laboratory focusing on embryogenesis. We are helping them study how a fertilized egg becomes a living organism with distinctive tissues and organs - i.e. me or you. The 2nd system was installed in the NCI (National Cancer Institute) Cancer Center at the Burnham Institute in San Diego. The laboratory in which it is working is aiming to understand more on how proteins work which will in turn help develop therapeutics for not only cancer but inflammation, neurodegenerative diseases, and viral infection. We plan to use this site as our West Coast center of excellence after receiving glowing reports from their users.

**CONSTANT  
SYSTEMS**

Constant Systems will be presented as part of the ceremony in a presentation featuring the cutting edge technology being unveiled at the new research facility. Closer to home, another top 10 biotechnology company, Medimmune, has been added to our client base. They are known for their drug Synagis which fights respiratory infections for infants and also FluMist which is a vaccine for the flu administered through a spray! It is different to the traditionally injected vaccines from other companies and its first batch of inhaled Swine Flu vaccine is due to roll out in the US by the end of September. They have several other drugs in the pipeline and we look forward to being part of the process that brings us a step closer to bringing them into widespread use.

Further afield our sales efforts in China has continued to pay off with a further 7 systems going into top academic institutions including the edition of 3 new top ten University clients to our portfolio. Following graduation we expect newly qualified scientists to take our brand across the world as they are employed globally in research institutions and companies. The biotech field in China is growing rapidly. Not only will graduating students using our machines be taking our technology to institutions globally, we will also be gaining a foothold in their domestic industry too as it begins to look seriously at being a global contender in the field.

Following these new customers on the West Coast an additional two further sales into the southern states at Baylor College of Medicine in Texas and the University of Alabama will be completed by the end of September. Our latest exhibitions in July, the American Crystallographic Association and Protein Society annual meetings, brings our busy summer conference period to an end. Both shows provided good coverage and generated further leads to work with for the coming year.

## V-Map Goes Green

Another important milestone in Score's Valve Diagnostic Systems has been reached this summer at the Ormen Lange plant at Nyhamna, Norway where 41 of most critical valves are monitored. V-Map has been able to capture a number of valve cycles that has allowed Score and Shell analysts to begin the process of establishing baselines related to the in-plant operating conditions for each valve and begin the trending process and to provide near real-time data to maintenance and engineering personnel. As Ormen Lange is the source of up to 20% of the UK's natural gas supply, neither Shell nor customers in the UK like to see these valves the closed position! In fact, some of the export related valves cycle less than once per year. By late summer, each of the 41 critical valves had been analyzed, given a clean bill of health and the process of monitoring for changes or adverse trends initiated. From this point forward V-MAP will detect and record all valve operations and automatically assesses key performance parameters. Changes in the performance of any monitored valve are identified by a change in the color of the valve icon which visually alerts the analyst and requires investigation. As long as the valve icons remain green, maintenance and operations personnel can be confident that monitored valves will operate as intended.



V-Map System



Ormen Lange Plant at Nyhamna

## Valve World Asia 2009

We arrived in Shanghai on Monday 21st September full of anticipation for the coming event of Valve World Asia 2009 in Suzhou. The shaky plane ride as well as the cool and rainy weather on our touch down did not dampen our spirits as we were looking forward to having a good show no matter what. Later in the evening, we met up with the rest of the Score contingent and made final plans for the setup and show days. The stand team included Nelson Ritchie, Gary Burgess, Chris Birchall, Suzanne Tang Poh Yee and Dave Anderson. On Tuesday, we collected our entry passes and went about putting up our stand. We had graphics on our walls and popup displays, a large LCD screen showing some of our corporate videos and presentations, and also a seating area with refreshments and an administration desk. The opening day of the exhibition dawned bright and early! It was a beautiful sunny day and at first, the crowd trickled in slowly but the momentum soon picked up.

We had many visitors at our stand including some manufacturers and valve suppliers, some of whom invited us to their factories to check out what they had to offer. We also had a few visitors to the stand whom Karen Low at Score Asia had previously made contact with prior to the event. The second day of the exhibition was also busy for us as there were still a lot of visitors coming in to check out the booths. After two days at the exhibition, we were very happy with the results and had made quite a few new contacts and now look forward to getting some good business relationships set up. We hope that all the hard work pays off and look forward to the next exhibition two years from now.



L-R Nelson Ritchie, Gary Burgess, Chris Birchall, Suzanne Tang Poh Yee and Chris June



# We're now re-VITAL-ised (again) !

Following an extensive research and development programme, the fourth version of VITAL was launched throughout the Score Group on Friday 2nd October.

This new version builds on the success of the third version, which was an internet-based Learning Content Management System (LCMS) that simply delivered on demand e-learning modules and their embedded tests.

Version 4, which we have named "VITAL Skills", is a full-blown training and competency management system (TCMS) which contains many improvements and takes us significantly forward in terms of our blended approach to development of competency in our teams.

In developing the new system, we have addressed some of the inherent flaws in the old system which many of you reading this have been advising us of, through the feedback loop. We hope you enjoy the new system which you have helped us design and we wish you a happy learning experience!



Login Screen

The first piece of good news we want to give you is that you will be credited with all your prior learning ! In other words, you will not have to re-sit any modules that you have already completed. It is going to take us a few weeks to transfer all the data from the old system to the new, so don't panic when you log-in for the first time and view your profile on your home page, because you will see that you are not yet credited with your year-end statistics. These adjustments need to be rolled out over all 1400 or so users throughout the group, so we would appreciate your patience while we get this done for you all.

Once logged in, you are taken directly to the "My Training" page, where you will see a list of all the training modules that you can sit (you are currently enrolled in every available module under the "All Score Group" framework). The modules with blue text titles are "desirable" and those in red text are "essential" for your job role framework (i.e. these are the ones you need to demonstrate your competency in). These will most likely all be blue on your first visit, as you probably won't have a "job role framework" created and attached. We will be working closely with HR to establish the requirements of each job role and will then programme the system accordingly. Once this work is completed, you will have a progress bar in your "VITAL Health" section that will give you a visual indication of your progress towards your competency in your own job role framework, as well as the overall "All Score Group" framework.



My Training



My Profile

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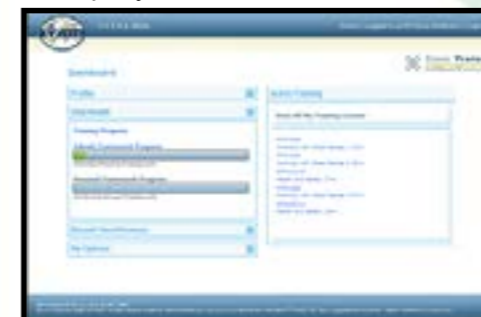
# We're now re-VITAL-ised (again) !

Whilst we do not wish to overload you with information at this stage, we would say at this point that some new features you can look forward to hearing about as we introduce the full capabilities of the new system include :-

- Single system approach to all training / assessment / competency
- Traffic light system, ensuring training investment / efforts are correctly focused and completed on time
- Recording of ALL training interventions and activities including practical sessions and on-the-job assessments (i.e. not just e-learning modules)
- Team and sub-team (including individual employee) progress reports for all directors / managers / team leaders / deputy team leaders
- Input area for evidence of competency – on line portfolio uploading for all registered learners
- More robust assessment and management of competency (supporting SVQ Level 2 / 3 Qualifications system and Modern Apprenticeships)
- Authorisation / approval of evidence of competency by Team Leaders
- Full parametric reporting of competency maintenance and management - even where employees move about within the group / company

- Better facilitation and management of 3rd party learners (and reporting of same)
- Job role frameworks development and standardisation across group
- Learner view of the "essential / desirable" training modules relevant to their own job role
- Learner view of training status and training framework progress
- News area – Check here for latest information on system changes, new releases, revisions etc.
- Re-structure of VITAL training library / contents
- Fully randomised e-learning assessments (tests)
- Enhanced and streamlined processing of learner feedback
- On-line technical library of resources and reference materials

The entire system once fully populated, updated with prior statistics, and operational gives the group not only a more effective online training tool but a complete competency management system. With enhanced local, HR and management control of certified, on-the-job, and recorded training, combined with the now possible more engaging e-learning content, we hope you continue to enjoy and help us enhance your VITAL Skills training and personal development experience.



Vital Health



Video in Vital Skills



Original Vital in Vital Skills



Vital Skills Module

## Far Travelled Apprentice

I began my 6 year apprenticeship at Score (Europe) Limited in January 2005. During the first year at Score I attended the training centre then moved on to do my NQ, NC and HNC in mechanical engineering at Banff and Buchan College, Fraserburgh. The workshops I have worked in, during my four years at Score are PSV, Strategies, Subsea, Crane warehouse and the Valve workshop, which I am currently still working in to finish my apprenticeship.

As well as working in the Peterhead facility, I have spent time at a couple of locations. I worked in the Gas Plant at St Fergus for three weeks in August this year helping with general maintenance work. The other location I worked in was in Hamburg, Germany. I was there in July this year for 3 weeks and was over to recertify PSV's on a FPSO in a dry dock. I really enjoyed it. The only problem with working in Germany was the Health and Safety issues, for example there were people shot blasting and grinding without any PPE on. We also had some great nights out at beer festivals and other nights out and went to these along with a guy I met from Score Leeds.

In my future with Score I intend to finish my apprenticeship and do my RGIT so I can go offshore and travel more. I would like to go to Australia to work as it is on the other side of the world, is very hot and would be a great opportunity for me.

After I left school I heard about working at Score from other people saying it had great apprenticeship opportunities and Score sends people to work in different places. It is definitely true what people say about Score, it does give great opportunities to people all over the world.



By Ian Swanston  
Mechanical Trainee