

VIKING introduces design-your-own lifejackets

Leading global marine and fire safety equipment manufacturer VIKING Life-Saving Equipment has launched a new product line-up with broad appeal for the offshore and commercial shipping industries: design-your-own inflatable SOLAS lifejackets.

Made possible by a new, modular design, VIKING customers can tailor their own solutions for specific working conditions such as those encountered in maritime environments as well as offshore wind power, offshore welding and industrial conditions.

The company offers a variety of options including a choice of 180 Newton or 275 Newton buoyancy for those carrying extra weight, e.g. as with tool belts. There's a choice of three different closure (buckle) types, including an optional integrated harness for offshore wind industry workers. As well as cover materials ranging from durable Cordura, wipe clean covers and even aluminum covers for welders or fire situations. A host of accessories and colours are also possible. All combinations are SOLAS approved, so no matter how the lifejacket is designed, it will fulfill the existing and future SOLAS requirements described in MSC-200(81).

VIKING CEO Henrik Uhd Christensen says the new lifejackets are just part of the company's drive to provide flexible and fast solutions to a changing market: "We've always offered a choice of models and styles, but if our customers wanted to change any detail of the standard specification it would take a while to get the approvals through. Now, an offshore welder can quickly and easily specify a spark-resistant aluminum covering with a host of personal features, while someone else working in an oily or greasy production area of a platform may prefer some of the same features with a wipe clean cover."



VIKING's new 'Buyer's Guide to SOLAS Lifejackets' can be ordered on the website www.VIKING-life.com or by contacting a local VIKING office.

You can also pick up a free copy at ONS stand L1313 where VIKING will be showing the new SOLAS lifejackets as well as a full range of ETSO approved helicopter transportation suits, pilot suits and lifejackets. ■

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AB12 3JZ Aberdeen
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- Wide range of life saving and fire fighting equipment
- Total servicing packages

<p>VIKING LIFE-SAVING EQUIPMENT LTD., ABERDEEN Unit 19, Ocean Trade Centre · Minto Avenue, Altens AB12 3JZ, ABERDEEN · United Kingdom Tel: +44 (0)1224898969 · Fax: +44 (0)1224894565 VIKING-UK@VIKING-life.com · www.VIKING-life.com</p>	<p>VIKING LIFE-SAVING EQUIPMENT LTD. Ferry House · South Denes Road · Gt. Yarmouth Norfolk NR30 3PJ · Great Britain Tel: +44 (0)1493 850250 · Fax: +44 (0)1493 851222 VIKING-UK@VIKING-life.com · www.VIKING-life.com</p>	<p>WHEN IT COMES TO safety — THINK VIKING —</p>
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Energy sector accounts for one of the highest HAVS injury rates in UK

ATR Group champions the reduction of HAVS within the oil and gas sector



2010 is the year that the HSE is getting serious about Hand Arm Vibration Syndrome (HAVS) and how companies manage workers' exposure. It is the year that the HSE have targeted to ensure that at least 90% of all UK employers comply with the Control of Vibration at Work Regulations, 2005.

This is a serious issue, close to 2,000,000 medical conditions stemming from over-exposure to Hand Arm Vibration were recorded in 2009. A large proportion of these cases were recorded in the energy sector - highlighting that protecting workers from overexposure to vibration should be a priority for the on and offshore industries.

The effects of HAVS

HAVS is a collective term used to describe a series of medical disorders created by the vibration from work processes - such as using hand or power tools - transferring into the user's hands and/or arms as they work. It damages the nerves and the blood supply, making it difficult to carry out fine work. Sufferers have intense skeletal pain in their hands and fingers at the merest hint of cold and often find it difficult to do the simplest things, such as not being able to hold a cup of tea or use a knife and fork. Severe cases can lead to gangrene. The key message is that it is irreversible.

Current management of HAVS

Most companies rely on paper-based HAVS recording and monitoring systems, the danger of this is it relies on workers to calculate their own exposure data. This leads to the potential for error. In addition, the vibration data which the calculations rely on is often out of date, offering no protection to the employee. The majority of

companies rely on paper and excel-based monitoring. These are time consuming and lead to errors - with such important health and liability implications, ATR Group believes there should be no room for errors with respect to HAVS monitoring and recording.

ATR is championing best practice for HAVS monitoring and recording across the UKCS - both onshore and offshore - and is bringing in new technology to solve an industry wide issue. The group have invested in and developed the HAVmeter and HAVmeter-ATEX. The system won a Health and Safety Best Practice Award and is now industry standard in the construction sector.

What is the HAVmeter?

The HAVmeter is a component part of a full HAVS management solution that makes it easy for any organisation to meet the requirements of the HSE. It differs from other solutions in that it measures real-time vibration exposure rather than just time spent working any piece of equipment.

The HAVmeter and HAVmeter - ATEX are pager-sized devices that calculate and record an individual's cumulative, real time vibration data across all vibratory tools throughout their working lives.

These are intelligent devices which interact with every tool the operative is using, giving an up to the second reading on cumulative exposure - no matter how many tools are used during any session or shift. Each tool has its own calibrated



Keith Moorhouse, managing director, ATR

RFID tag. This tag holds the tool's ID, and exposure values from its last service - the HAVmeter securely clips onto the tag and delivers real-time exposure levels by operator. ATEX tool tags are fitted for zoned operations.

A flashing LED indicates to the user whether they have reached their Exposure Action Value (EAV) or Exposure Limit Value (ELV). At the end of the shift, they dock the HAVmeters and all their data is downloaded into a docking station. There is no paper or excel recording and monitoring needed.

The system completely removes the reporting burden, removing the potential for human error and freeing up staff time to focus on the job at hand. Reports by operator, tool, platform, project or workshop can be downloaded.

Benefits to the business and employees

- Completely removes any programming burden on an employee - tools are tagged via RFID and automatically interact with an employees' HAVmeter to record information
- Streamlines existing operational process and replaces all paper-based systems
- Eradicates the potential for human error
- Specific to individual - HAVmeters can be easily calibrated to take into account existing health conditions

Keith Moorhouse, managing director of ATR Group, says: "We saw a huge opportunity in bringing this innovative technology to the UKCS to address and potentially solve a problem which many of our clients sought a solution to, and which still accounts for thousands of injuries per year. HAVS injuries can be reduced and our approach to full HAV management and monitoring is an essential solution which we can use to support improved health surveillance within the oil and gas sector."



What customers are saying

Neil Dunlop, Carillion: "Health and safety is Carillion's number one priority. We are committed to continually improving health and safety and the HAV meter system has been fantastic in this respect. It provides an accurate method of measuring HAVS exposure points as the tools are being used. With the traffic light system incorporated, it also allows the users and the site supervisor to check at a glance to see if anyone is working over their points limit. The system is a vast improvement to the HAVS assessment sheets. The added benefit of the system is its ability to calculate operatives' exposure when using multiple tools throughout the day, each with differing vibration values."

Dave Atkinson, Severfield Rowan: "The HAVmeter has proven to be an extremely useful tool for the successful management of Hand Arm Vibration. Our operatives like the system as it is easy to use and it gives them real time information about their own vibration exposure. It is much more user friendly than any paper based system which was always reactive. The information collected and the clear display of this exposure data in the software enables us to refine working practices and risk assessments based on accurate tool usage and vibration exposure records. It also gives us KPIs allowing us to set clear targets in our efforts to continually reduce our operative's exposure to HAVS."

Colin Hogg, Amey: "It is a huge improvement to alternative means of monitoring exposure to

vibration. The most significant improvement has been in the efficiency and ease with which we now report and monitor exposure to Hand Arm Vibration throughout the whole business. Accurate exposure reports can be generated in seconds giving us as much detail as we require at both contract and board level. This ease of reporting allows us to quantify, refine and measure improvements in working practices from a Health and Safety perspective. Implementation of the new system has also been responsible for significant savings in administration." ■



For further information on HAVmeter contact
ATR Group on 01224 775010
or visit www.atrgroup.co.uk

Life-of-well integrity management - Seawell's powerful Point

Maintaining well integrity is an inevitable burden for oil and gas companies, but critical to avoiding HSE hazards and maximising well performance. When integrity issues arise, dealing with them is frequently risky, and always both time-consuming and costly. And when it comes to leaks or sustained casing pressure, operators are faced with using a restricted, often insensitive toolset to identify and locate problem areas. But, in Seawell's Point™ system, they now have a next-generation alternative.

This powerful suite of ultrasound diagnostic tools, in combination with Seawell's proven expertise, provides a dedicated and reliable resource for hard-pressed integrity managers. In summary, using ultrasound technology, the four tools in the Point system locate well anomalies with great accuracy, both in the tubing and behind tubing, in the surrounding casing strings.

As Seawell's VP of marketing and sales, Ken Feather told us: 'The Point system is all about providing operators with reliable, unambiguous data they can trust - so they can make remediation decisions with confidence. That saves time and enables any intervention to be implemented with much greater precision - so it reduces HSE hazards and keeps down costs. And the four diagnostic tools in the system can be used throughout the entire lifecycle of a well, from drilling to abandonment'.

The tools were on display recently at Seawell's impressive Technology Day in Aberdeen: LeakPoint™ for precisely locating leaks in tubing, casing and well components; FlowPoint™ to reveal the exact source and flow paths of annular fluids; SandPoint™, for accurately locating the entry points of damaging sand and EntryPoint™, bringing much higher resolution to production profiles.

A full-scale working model of two of the tools, LeakPoint and SandPoint provided an astonishing demonstration of the sensitivity and accuracy that tuned high-definition ultrasound offers.

The tools feature a piezo-ceramic ultrasound sensor, precisely tuned to pick up only the frequencies of sound that a particular well anomaly creates. So well tuned, in fact, that the model consistently demonstrated a remarkable ability to sense the impact of just a few grains of sand (SandPoint) and a tiny stream of gas bubbles (LeakPoint).

The sensor signals are turned into meaningful log traces after passing through Seawell's advanced digital signal processing and proprietary detection firmware. This technology combines to provide operators with the accurate, high-resolution data crucial to managing well integrity successfully.

Ken Feather, presenting this demonstration added: "A recent SPE forum survey of operators confirmed that, in the UK North Sea alone, over 30% of wells demonstrated at least one anomaly or proven integrity failure. It's an indicator of just how important improving the effectiveness of well integrity management is to the whole industry – especially as North Sea wells are not getting any younger. Seawell recognised that achieving the goal of faster, more accurate fault diagnosis was an absolute priority. It's why we introduced the Point system".

Seawell's unique Point system does indeed provide the industry with a valuable resource. It accurately locates well anomalies in and, beyond the tubing by exploiting two properties of ultrasound.

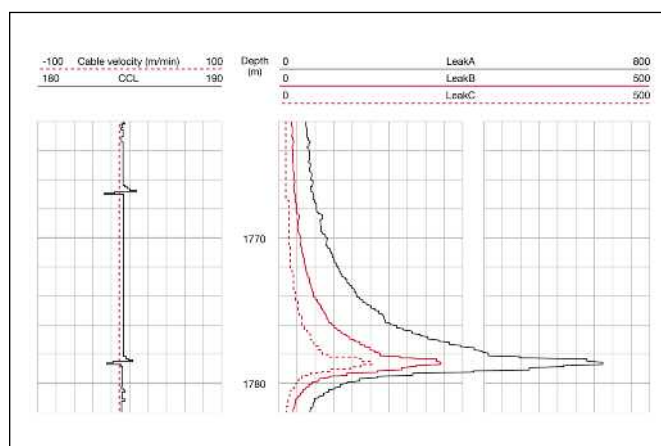
First, ultrasound energy at varying frequencies is produced by flows of liquids and gas, particularly where there is turbulence. Typically, that exists around leaks or created when fluids pass through poor seals in an annulus. Energy is also produced at producing zones and as sand enters the wellbore.



Point technology uses highly-tuned ultrasound sensors, advanced digital signal processing and proprietary detection algorithms to locate integrity failures in and beyond the tubing in the surrounding casing strings

Second, ultrasound is able to pass through steel, cement and well fluids – including compressed gas, so even anomalies behind tubing can be picked up by a sensor inside the tubing. Tuning the sensors to the frequencies of the energy created and processing that data effectively provides an extremely accurate location for integrity failures.

With over 500 Point system surveys successfully completed across the globe, for many of the world's leading oil and gas companies, Seawell's winning combination of experience, expertise and ultrasound diagnostics has reinforced the company's position as a market-leading provider of innovative well services technology. ■



An example of a LeakPoint log, showing the technology's unambiguous response to a leak in a tubing joint just above 1780m in a brand new completion

For more information about the Point diagnostic system email point@seawellcorp.com or visit seawellcorp.com

For precise answers get to the Point ●

The Point diagnostic system. Bringing clarity to well integrity management.

Dealing with a well's inevitable integrity issues at any time in its life cycle is a complex, risky, time-consuming and costly process. Seawell's Point system provides operators with a dedicated diagnostic resource to ease that burden.

Point's combination of sensitive ultrasound technology and Seawell expertise takes the reliability of well integrity

surveys to a new level. The quality, accuracy and clarity of the data delivered enables operators to manage well integrity failures far more time and cost-effectively.

And that really is the point.

For more information on the Point diagnostic system email point@seawellcorp.com or visit seawellcorp.com

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precisely locating leaks in tubing casing and well components

FlowPoint
revealing the exact source and flow paths of annular fluids

SandPoint
accurately locating the entry points of damaging sand

EntryPoint
bringing much higher resolution to production profiles

CheckPoint ATEX certified pump products

By Doug Deans, UK operations manager, CheckPoint UK

Since the ATEX Directive 94/9/EC became mandatory for equipment intended for use in hazardous area zones, CheckPoint has undertaken the required processes to ensure that their pump products meet the requirements of the relative standards.

The pumps marketed by CheckPoint UK are ATEX-compliant items and customers have the confidence of knowing that the systems designed and manufactured in the Aberdeen facility undergo the necessary risk and ignition hazard assessments in addition to conformance to the requirements of the Pressure Equipment Directive.

CheckPoint UK ensure that only top quality components which are traceable and compliant are sourced for inclusion in their systems.

The new Aberdeen base in the Lombard Centre, Dyce features a bespoke thermal testing facility with 8-channel digital thermal logging which measures and records any equipment temperature changes under normal or fault conditions as required for Zone 2 and Zone 1 equipment and assemblies.

All this key information is recorded in technical dossiers which are lodged with an independent notified body.

Bespoke markings and instructions are supplied with each ATEX product supplied by CheckPoint UK, cross-referenced within the Declaration of Conformity.

The closest attention to detail is applied to any system designed and manufactured by CheckPoint UK, from the simplest manually controlled single air driven pump skid through to the many project builds for major clients including a wide variety of instrumentation and control options.

CheckPoint UK work closely with every client from the enquiry specification through to the finished product for both rental and sale systems alike.

Remote controls are available for integration into the clients systems, to permit pump on/ off and flow adjustment functions together with local and remote monitoring of discharge flow-rates and pressures.

Custom packages are designed for specific envelopes where available installation space may be at a premium, or indeed to replace or upgrade existing packages which have become unsuited to the changing demands of the Petrochemical industry.

Every package produced by CheckPoint UK is fully validated by testing to ensure that the performance requirements are proven.

CheckPoint UK operate within a mature Integrated Management System to ISO 9001 originally registered in August 2000, upgraded last year to the 2008 Standard, together with new registrations to BS OHSAS 18001: 2007 and ISO 14001: 2004 as part of their aim for continual improvement. ■

For further details,
please contact

CheckPoint UK sales team on
01224 775205
or uk@cppumps.com

Health and Safety '10 - Scotland

The seminar programme encompasses the diverse range of working environments in Scotland from the offshore industry to construction and also of appeal to those who work in any sector will be the seminar giving an update on health and safety law in Scotland

Taking place at the Royal Highland Centre on the 15th and 16th September 2010 is Health and Safety '10 - Scotland. Here, Roustabout Energy International summarises what the event has to offer in assisting visitors with easy access to health and safety information, products and services.

The second in the Health and Safety series of regional health and safety events this year, with event partners 3M, Ansell, Arco and DuPont, Health and Safety '10 - Scotland offers a free seminar programme, free exhibition and free parking. The event enables people at all levels to find the latest in health and safety information, products, services and consultancy all under one roof and is officially endorsed by the International Institute of Risk and Safety Management (IIRSM) and is also supported by the Scottish Centre for Healthy Working Lives.

The free conference and seminar programme is one of the main attractions for visitors to the event and includes sessions organised by the event's official educational partner the British Safety Council.

The seminar programme encompasses the diverse range of working environments in Scotland from the offshore industry to construction and also of appeal to those who work in any sector will be the seminar giving an update on health and safety law in Scotland. Delivered by Laura Cameron of McGrigors LLP this seminar will discuss the latest legislative trends and focuses. Looking forward to what she may cover on the day Laura said, "There is a general rush on enforcement just now and with the creation of the specialist prosecution division recently I expect this to have had some impact by September. Also, the HSE is looking more closely at individuals in companies, directors and

managers, when it comes to prosecution and I'll probably look at this area too."

In addition to the seminar programme, there are also some of the biggest names in health and safety exhibiting. Major equipment providers, service providers and distributors from all areas of health and safety are well represented.

Health and Safety '10 - Scotland, is free to enter, has free parking and it is highly recommended that visitors to the event register in advance for entry tickets and especially for seminar places as these are extremely popular. With the outstanding combination of the seminar programme and the quality of the exhibitors, it makes this an event you don't want to miss. ■

Visit the website:

www.healthandsafetyevents.co.uk or call the event helpline on: 0870 4866816.

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Risk and uncertainty in North Sea decommissioning

By Andy Bolsover, safety and risk product manager, Bureau Veritas

For those outside the oil and gas industry, fears that the North Sea will simply run out of oil are, quite literally, fuelling the uncertainty surrounding the subsequent process of decommissioning our offshore assets. For those within the industry however, these issues have already been addressed, the plans drawn, and the activity commenced.

The rate of decommissioning activity within our North Sea oil and gas fields has steadily increased over many years, although the predictions for both oil flow and decommissioning trends are complex and they remain the topic of doubt and pessimism.

The greatest uncertainty surrounds the smaller fields of the North Sea; forecasts for Cessation of Production (CoP) change year on year. In 2008 alone, the estimated CoP dates for 39 fields within the UK Continental Shelf (UKCS) were revised by five years or more, resulting in extensions for 25 and curtailment for the remainder.

Just one year later, CoP predictions were even more contrasting; forecasts for the lifespans of more than 70 fields were revised by more than five years, with 51 extensions and more than 20 cut short.

The inclination to revise, extend and curtail is not a new phenomenon. Forecasted decommissioning dates have historically been so unreliable that the Department for Energy and Climate Change (DECC) will no longer publish the dates installations are expected to be removed.

However, and despite the industry's caution, many fields do outlive their predicted life terms, albeit for reasons that are dictated by operational and market factors. Thanks to conservative reserve estimating, new production and enhanced oil recovery technologies and fluctuations in oil pricing to contemplate, CoP forecasting is likely to remain an imperfect science.

Milestones in North Sea decommissioning history

With a backdrop of decommissioning rates that have failed to meet market expectations (14 programmes were approved in the 1990s, 21 have been given the green light since 2000), Shell's high profile project to retire the Brent Delta platform marks a remarkable milestone in North Sea oil and gas decommissioning history.

Shell has appointed PSN (Production Services Network) as key contractor on the project that presents its own set of challenges.



Three of the Brent platforms are Gravity Base Structures (GBS) that incorporate storage cells containing a layer of 'attic' oil sitting on top of oily water as well as solid or semi-solid sediments within the substructure. Shell plans to sample these cells and their characteristics and then apply the findings to determine the subsequent process, i.e. by treatment in place or removal.

Fraught with risk and uncertainty - and opportunity

It's clear that decommissioning is fraught with risk and uncertainty. Contractors are forced to enter lengthy cycles of quoting and re-quoting due to time overruns and project delays, they are compelled to observe regulatory constraints and legislative compliance and to re-evaluate when pioneering technologies or oil prices demand a new approach.

Decommissioning plans for all platforms must take account of numerous risks which inform decisions on exactly when and how decommissioning activity should proceed.

This is decommissioning risk management and it's designed to detail and define the complexities of the process and to structure an action plan that mitigates uncertainty and paves the way for success.

The Bureau Veritas approach to risk management

We take a systematic, proven approach to risk management that follows the principles and guidelines set out in BS ISO 31000:2009 Risk Management, and includes:

- Establishing the context of risk, including the requirements of stakeholders, DECC (as authorising body), field partners, NGOs and the public.
- Identifying, analysing and evaluating risk in relation to safety, technical feasibility, the environment, costs, schedule, reputation, etc.
- Identifying and advising on appropriate action to tackle a diverse risk inventory, from removal options to waste management choices (reduce, reuse, recycle, treatment, responsible disposal, etc)
- Communication and consultation with stakeholders throughout

Our range of decommissioning support services is broad, all-embracing and includes:

- Independent verification performed as an extension of operational verification activity and incorporating the vast number of safety systems that are modified or deemed inactive as the process progresses
- Separate consulting and advice on risk and safety services for regulatory compliance and HSE support
- Asset integrity management that focuses on critical equipment and the action necessary to maintain an acceptable level of integrity throughout

Prepare for opportunity

Along with risk and uncertainty, there are also plenty of opportunities for the decommissioning services industry.

According to a report published in *offshore-technology.com*¹ in March 2010, 'offshore rig decommissioning in the North Sea in recent years has resulted in a new service sector being generated in the oil and gas industry...with future decommissioning projects valued at £23bn in UK waters alone, it looks set to thrive.'

So, there are some answers to those questions the energy industry finds so hard to articulate: if you manage the risk appropriately, and detail and define to mitigate the uncertainty, you should be well-placed to exploit the opportunities that follow. ■

¹ <http://www.offshore-technology.com/features/feature79640/>



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RTH Lubbers - the link to continental Europe

By Alina Vasilciu, marketing executive, RTH Lubbers

RTH Lubbers was established in 1985 and has developed and grown strategically since then. It has 10 bases in 6 key oil and gas areas around Europe: Newcastle, Aberdeen and Great Yarmouth in UK, Velsen Noord, Schoonebeek and Den Helder in Holland, Celle in Germany, Esbjerg in Denmark, Ravenna in Italy and Ploiesti in Romania. The privately owned company, RTH Lubbers is constantly investing in people, equipment and technology for ongoing improvement. The company has a vast array of equipment of over 90 trucks and 200 trailers to enable it to offer a solution for every requirement that arises in the demanding oil and gas industry.



RTH Lubbers has recently launched its newest daily service from Aberdeen (UK) to Esbjerg (Denmark). Starting on 1st of August 2010, the service is aimed to serve the oil and gas industry, Newcastle and Great Yarmouth being also part of the route. The overnight trunker to Great Yarmouth has proved to be very successful in addition to the other services provided. The licence to transport all classes' dangerous goods gave the company an important competitive advantage on the market. The well developed and strategically positioned network allows RTH Lubbers to deliver daily in countries such as: Germany, Holland and Denmark not only from UK but from Italy and Romania also.

Focused on continuous improvement and development, the service to Esbjerg was a

strategic decision to meet the ongoing requirements of its customers in the North Sea region. As part of the value added services the company offers: storage facilities on every base, import/export customer documentation and rental baskets and containers.

RTH Lubbers is a quality service driven company, with a very good reputation on the market. Furthermore it is one of the first road transport companies to achieve, with Lloyds Register Quality Assurance, the following accreditations: ISO 9001:2008, QHSAS 18001:2007 and ISO 14001:2004. Stuart Ferguson, the group's QHSE manager together with all the team are constantly working on improving all the QHSE aspects and meeting all our customer's expectations.

Finally, it is worth mentioning the new marketing approach the company has taken in order to build a strong brand on the UK market, supported by both quality and reliability. RTH Lubbers is aware the market is changing constantly and the reactive response is meant to reposition the company strategically in the industry. ■



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- Holland and Germany – daily
- Esbjerg (Denmark) – daily
- France, Italy – twice a week
- Spain & East Europe – twice a week



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Cramlington
Nelson Industrial Estate
01670/707600

Great Yarmouth
Boundary Road
Norfolk
01493/604444





TMK Klinck Ltd is proud to introduce their new design gate valve and hot tap drilling services

By Tim and Mark Klinck, directors of TMK Klinck Ltd

TMK Klinck Ltd is a newly formed service company supplying the following: hot tap and gate valve drilling services, consultation for hydraulic work-over (live and dead well), well intervention and completions.

Although the company is new the directors have over 60 years combined experience in the fields that the company covers. Tim and Mark Klinck are the co-designers of the gate valve drilling and hot tap units which are new and innovative designs that incorporate the latest technology and the very best in safety features.

Both the gate valve drilling and hot tap units are rated for 15000psi working pressure and are sour service compliant. The units are certified to the highest standards (DNV-ATEX-CE-Zone1) enabling them to operate anywhere. The gate valve drilling unit is used for drilling out broken or inoperable gate valves in X-Trees and is designed to perform these services with pressures up to 15000 psi below the gate. The unit can also be used to mill out junk,

scale or wax deposits in the well head and hanger area while under pressure.

Included with the gate valve drilling unit is an additional annular BOP used as a secondary barrier to the primary seals which are supplied by a global manufacturer and used throughout both tools. A new development of the gate valve drilling unit is a hollow drill rod not usually offered with this type of equipment allowing cutting fluid to be pumped directly to the drill bit cooling the mill and flushing debris away, particularly useful if removing scale or wax deposits. The drill rod connections have been designed and tested to 22500psi, future developments are to include bit technology and an optional disconnect for the bit.

The smaller hot tap unit is similarly rated and uses the same principles as its bigger version. Completely balanced drill rods in a closed loop pressurized system operated from a remote console ensures operator and facility safety reducing risks. These innovative design features

ensure a constant and smooth operation with infinitely variable weight on bit and rate of penetration while milling. Both units are simple to operate and quick to rig up with a minimum crew size of two experienced operators that ensure a safe and efficient operation.


Although a small independent service company competing worldwide TMK have no doubt that at times this can only be seen as an advantage as we can offer our clients one to one personal service to suit all individual needs at greatly reduced costs. All projects undertaken by TMK Klinck Ltd will be done so adopting a commitment to doing the job in a safe and cost effective manner. ■

For more information regarding our services please contact;
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or visit our website
www.klinckltd.com

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DNV-ATEX-CE Zone 1



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Peli cases - when size matters!

By Gill Lack, Peli Products

Peli's world renowned watertight, crushproof and dustproof Protector™ case range has 2 massive new additions - the 0500 and 0550 transport cases.

These versatile, rugged cases have more than 262 and 325 litres capacity respectively.

All Peli Protector™ cases have a cell-core wall, polymer construction which ensures the case is incredibly strong to protect the contents. The 0500 and 0550 cases are designed for mass transit while withstanding extreme conditions and rough handling, making them ideal for industrial and offshore use.

Both models can be used as a heavy duty wheeled case when the optional casters are in place. An optional pallet riser kit allows a forklift truck to easily move the case(s) without the need for a pallet. Dual action latches that have been tested to withstand nearly 400 pounds of pressure (but open with a light pull) and two double-wide grips for team lifting are also featured.

The 0500 has a fully detachable lid, which can be used, upside down, as a platform for equipment such as compressors or engines. The other (base) section can also be used upside down, as a mobile equipment cover.

The 0550 has a hinged lid with locking metal Lidstays to keep the lid locked in the open position if required. This model features four extra-deep base-to-lid locking cleats to ensure maximum stacking stability.

A clear document holder to easily identify the contents of the 0500 or 0550 is externally mounted.



0450 Mobile tool case
(foam and tools not included)



These new Peli cases widen customers' choice giving more options of watertight, crushproof, tough cases.

Peli specialised cases now include the 0450 - the first tool case from Peli has been specifically designed for the toughest conditions. The 0450 combines the flexibility of seven removable drawers, offering a multitude of configurations, with the mobility and benefits of a rugged, watertight Peli Protector Case.

The 0450 has been tested to meet and exceed 96 demanding standards, including high impact, extreme temperatures and submersion. The top compartment features a removable utility tray and a lid that opens 180° to create a mobile work area, capable of holding up to 23kg of weight.



0500 case inverted lid on pallet risers

For case security Peli's patented double-step latch has been upgraded with a metal butterfly compression latch and there are tamper-resistant, stainless steel padlock protectors. The case also features two automatic pressure equalisation valves that prevent vacuum lock and make the case easier to open at extreme altitudes.

The 0450 includes features designed specifically for ease of transportation; stainless-steel, ball-bearing wheels for all terrain mobility and a widened wheel base to stabilise the case on soft and hard surfaces. A heavy-duty, extendable pull-handle and an extra-deep handle on each end of the case ensure the 0450 can be lifted from two positions when open or closed.

The 0450 case is available in two configurations:

- 0450WD: With seven configurable tool drawers (6 shallow and 1 deep).
- 0450ND: No drawers. A removable drawer slide chassis (included) will accommodate up to 8 drawers. This allows the user to purchase optional drawer sets so they can create their own custom storage scheme.

Peli cases are covered by the legendary lifetime guarantee. ■

Advertising Feature



PELI™ - ZONES AHEAD



2690Z0 HeadsUp™ Lite



- ATEX Zone 0, Zone 20 for all hazardous areas
- Tough, weather resistant headtorch
- Bright, 60 lumen beam
- Easy twist switch operation (even with gloved hand)
- Compact, lightweight headlamp
- Rubber and cloth straps included
- Ex II 1 D/G Ex ia IIC T4 Ex iaD 20 IP65 T65°C



Adjustable Head Angle



Rotating Bezel Switch

Peli Products (UK) Ltd
Tel: 01457 869999

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please visit www.peliproducts.co.uk

