Deep sea activities: United effort of science and industry needed

Offshore oil and gas development is moving into increasingly challenging environments. Exploration and production in deeper waters will continue to push the boundaries of existing technologies, and innovative solutions will doubtless be required to meet upcoming demand.

A combined effort of science and the industry is thus needed to succeed in this growing market. This is what Leo Maas from the Royal Netherlands Institute for Sea Research NIOZ stated after his presentation “Ocean Dynamics in the Deep” at yesterday’s workshop “Offshore – Going into the Deep”.

Leo Maas from NIOZ discussed ocean dynamics in the deep sea in yesterday’s workshop
Propulsion solutions

Tognum subsidiary MTU Friedrichshafen is presenting its range of products for commercial marine applications at Europort. MTU supplies complete propulsion packages incorporating MTU engines as well as partial systems such as couplings, gearboxes, onboard power gensets and integrated ship automation systems.

Among other things, the MTU stand will have a 16-cylinder Series 4000 ‘Ironmen’ workboat engine on display. Available as eight-, twelve- and 16-cylinder units, Ironmen engines cover the power range from 746 kW to 2,240 kW. As a rule, they are used wherever there is a need for particular reliability coupled with long service life, high availability and low operating costs – such as in the tugboat and inland waterways sector. MTU also supplies diesel gensets producing between 760 kW and 3,015 kW for diesel-electric propulsion of offshore supply vessels and onboard power.

An in-house MTU development, the automation system Blue Vision New Generation focuses on specialised components that can be combined with high-quality standard products to deliver modular and scalable solutions. On workboats powered by MTU Series 2000 or 4000 plants, the various versions of Blue Vision New Generation (‘Basic’, ‘Advanced’ and ‘Premium’) are the successors of the company’s current Smartline, Blueline and Bluevision products.

The range of products is complemented by MTU’s comprehensive ValueCare programme, which includes precision-tailored service agreements, extended warranties, fast and reliable original-brand spare parts provision as well as remanufacturing.

MTU at Europort:
Stand 1425

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Stand 7403
Hal 7

ENGINEERING YOUR SUCCESS.
Exibition & Conference Programme - Friday

FRIDAY, NOVEMBER 8TH

CONFERENCES

10:45 - 13:00  Advanced Technology Conferences Construction Vessels:
Big, Bigger, Biggest;
Ahoy in conjunction with HME
Europort Theatre (free of charge)

14:00 - 16:15  Presentation of innovative projects
by students during special edition
of the Advanced Technology;
Ahoy in conjunction with HME
Europort Theatre (free of charge)

ACTIVITIES

10:00 - 15:30  Future Pioneers;
Ahoy in conjunction with HME
Exhibition Floor

Continuous  Green Route;
Ahoy in conjunction with HME
Exhibition Floor

Continuous  Job Route;
Navingo
Exhibition Floor

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Intellian is introducing its v240M, a 2.4m multiband maritime antenna at Europort. The single antenna with innovative software to achieve a highly efficient system provides full 2.4m performance in both bands. The v240M is said to be the first VSAT antenna designed for the maritime industry with fully automatic switching between Ku-band and C-band. The system has built-in software and hardware that automatically switches between Ku-band and C-band, providing the end user with seamless operation and no need for technical intervention. On deck the 2.4m antenna is protected in a radome, which contains the Ku-band RF system, C-Band RF system, antenna control system and power supply units. An optional air conditioning unit can also be provided, which maintains optimal performance when experiencing excessive temperatures. Below deck, the antenna control unit is interfaced with ship information system such as gyro.

The system can be controlled remotely via Intellian’s App “APTUS”, which displays a simple-to-understand graphical dashboard that allows logging, recording and fine-tuning of the antenna for optimum performance. The Intellian v240M has been developed in direct response to customer requirements for multiband antennas, which require minimal service costs and no mechanical work at sea to switch from one band to another.

Intellian at Europort: Stand 2105

FKAB Marine Design is introducing its recently improved split barge design NOSPER at Europort. The idea behind the new design, the Swedish company said, was to separate the engine room, including the deckhouse, from the split hopper units. NOSPER offers the following benefits:

- One common engine room;
- Engine room can be manned during split for service and maintenance work;
- Direct inner access to engine room from deckhouse as for normal ships;
- Less flexible cables and hoses between split a no-split parts;
- Construction can be shared between the advanced engine room/accommodation part at one yard and the hopper parts at another.

The development is based on a push system for split hoppers, designed by FKAB Marine Design and approved by the classification society Bureau Veritas.

FKAB Marine Design at Europort: Stand 7234

FKAB has more than 50 years of experience in maritime design.

Intellian v240M is switching between Ku-band and C-band

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Poland’s PBP Enamor will present its solutions to comply with the requirements of the SEEMP (Ship Energy Efficiency Management Plan) at Europort 2013. The following products will be on display:

**Propulsion control assistance system ETNP-10:** The ETNP-10 system is designed for cost-effective drive control, taking into account the current draught of the ship, current load and rotation speed of the shaft. The device allows users to observe the field of drive and initiate an immediate response when limit values are exceeded. Parameters such as torque, power, rotating speed, vessel’s speed, efficiency, etc. are constantly measured and analysed.

**Fuel consumption monitor EFCM:** The fuel consumption monitor is a tool dedicated to control current fuel consumption for use on ships equipped with pulse flow meters. The system measures the consumption of low and high sulphur, heavy and light oil by the main engine, auxiliary engine and boiler. Measurement results are displayed on a colour touch screen in the form of the following temporary parameters: m³/h, kg/h, kg/24h and total fuel consumption in kg calculated since the last reset. Additional fuel temperature allows an adjustment of its density, so the calculation results are very accurate. A built-in NMEA interface allows the easy export of all the data to the ESOS in order to calculate the energy efficiency of a ship (the EEOI Indicator).

**Ship efficiency optimisation system ESOS:** The system has been developed to assist shipowners and crew during the implementation of the SEEMP. It calculates the EEOI (Energy Efficiency Operational Indicator) and generates overall reports based on information collected from the peripheral systems (ETNP-10, EFCM, ship loading calculator, ballast system). The operator can generate a report for any period, which will be used to analyse and draw conclusions for the SEEMP. Data from the ESOS are transferred to the company office by satellite link.

**E-VesselTracker:** The E-VesselTracker is a set of helping tools designed to achieve the best ship performance. It collects all important vessel data through a satellite network, which are then available in the form of routes on maps, tables, set of performance indicators as well as time-based charts. Reports can be easily created.

PBP Enamor Ltd at Europort: Stand 4204
HollandMT launches Solar-Powerpack

For remote hydraulic power-requirments, HollandMT has developed the Solar-Powerpack. The 12V DC electric-driven powerpack, which was launched during Europort, provides hydraulic power to remotely located equipment that is not continuously operated or only at lengthy time intervals, such as hydraulic operated sand-fill valves in dredging disposal areas. The Solar-Powerpack is charged by solar energy only. It is said to provide a mobile, compact, safe, economic and green alternative for bulky, maintenance- and fuel-demanding diesel driven powerpacks.

HollandMT at Europort: Stand 3001

Expansion of global network

SpeedCast, one of Asia-Pacific’s leading satellite telecommunications service providers, yesterday announced the launch of new expanded coverage for its global VSAT maritime network in the Indian and South Atlantic Ocean regions. The enhanced service strengthens the reach of SpeedCast’s network in these two key shipping regions, utilising multiple satellite footprints, and now completes the VSAT coverage for all major maritime routes. The new coverage of the two heavily traversed routes is provided via three satellites, which enable increased availability, uptime, and resiliency, and further improve the user experience for all of SpeedCast’s maritime customers operating in the regions. André Eerland, vice president of Maritime Services, said, “This is an important investment in our maritime network, which not only provides complete coverage of all key maritime routes, but also enhances our coverage with multi-satellite support for additional redundancy.”

SpeedCast at Europort: Stand 3407

During Europort an agreement for the delivery of twelve cranes has been signed between Neptune Shipyards and Double D marine equipment. The cranes will be placed on board the Euro Tug 2710 and Euro Carrier 2611, all to be delivered in 2014. The deal was signed between John van der Linden of Double D marine equipment (left) and Michel Timmermans of Neptune Shipyards.

On Wednesday, the company Oliveira signed a contract with HME Singapore. Oliveira is the first company that became Premium Member of HME (Holland Marine Equipment) Singapore.
The 26th Shipbuilding, Machinery & Marine Technology International (SMM) trade fair will be staged at Hamburg Exhibition Centre from September 9th-12th 2014. Leading shipbuilding companies and maritime equipment suppliers will present many innovations at this SMM. As usual, DVV Media will produce the daily trade fair newspaper SMM Daily News from Tuesday to Friday!

Concept & facts you should know:
The SMM Daily News will appear every show day and will be distributed daily to visitors and exhibitors at the SMM. At breakfast time, the SMM-Daily will provide the latest news from the maritime industry to the international trade fair visitors in English language straight from the printers.

Facts:

- Advertisers and sponsors will benefit from 10,000 distributed copies per day
- Distribution before and during the trade fair
- In the morning the newspaper will be distributed at 20 hotels accredited to the Hamburg trade fair
- This is your way to reach 53,000 visitors and more than 2,000 exhibitors

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The Polish shipyard Navikon SRY will showcase a 3D model of its new autonomic floating dock with a lifting capacity of 5,000 tonnes. Equipped with two remotely controlled cranes, the 123.21m-long dock is powered by a set of generators providing 1 x 630 kVA and 1 x 300 kVA for its autonomy.

Dräger Marine & Offshore will be presenting a new portable foam/powder fire extinguisher. According to the Dutch company, composite extinguishers are the latest development in the quest for durable corrosion-resistant and low-maintenance extinguishers. The extinguisher is EN3-, CE- and MED-certified and has an expected lifetime of 20 years. Thanks to the material and construction, replacing the extinguisher because of corrosion, scratches or dents is no longer required, resulting into lower lifetime costs. The extinguisher is said to be extremely suitable for the harsh conditions found on offshore installations, marine applications and moist (production) spaces.

Navikon SRY Ltd at Europort: Stand S416
Dräger Nederland BV at Europort: Stand 1406

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Third exhibition day

@HendrikVederGrp
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@ProSea_Int
Mr Huisman tells ship owner’s perspective on ballastwater treatment & gives practical tips & to do lists for shipowners @europort2013 @msbwo

@Feederlines
Several colleagues visited #Europort 2013 to meet with suppliers and learn about the latest innovative technologies

@MBMConsultancy
Shipyards n equipment suppliers are presenting interesting future markets at Europort

@Europort2013
Today @atassocpco_nl and @Verhaar Omega signed an intent for a dealership agreement as part of a long cooperation

@zuleikha1983
#Europort day two was a big succes. Stand 1125 is the place to be for all your marine engine related inquiries.

@fastrsq
Fast RSQ presents FRSQ 700 at #Europort 2013.

@VDVMS
VDVMS This installation is already 40 years! Answer the contest question and win an iPad mini at #Europort2013 booth 1405

Important telephone numbers

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<tr>
<td>First Aid</td>
<td>010 293 3410</td>
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<td>Organisation’s office</td>
<td>010 293 3250</td>
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<tr>
<td>Press room</td>
<td>010 293 3121</td>
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<td>Stand catering</td>
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Suppliers

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<td>V.d. Laan: Water</td>
<td>0180 55 80 22</td>
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<tr>
<td>Brederode: Stand construction</td>
<td>080 241 2513</td>
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<tr>
<td>JMT: Furniture</td>
<td>0167 52 39 25</td>
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<tr>
<td>CEVA: Logistics</td>
<td>010 293 3526</td>
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A fantastic vessel... We achieved a bollard pull of 54 tonnes ahead and 35 astern, along with a massive side thrust, it makes the Voe Earl a hugely powerful and manoeuvrable tool. Damen have again produced an outstanding vessel for us.

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