Snorre B Platform equipped with HERNIS CCTV System

Major breakthrough for HERNIS in the Netherlands

HERNIS win orders for RasGas 3

HERNIS strengthens the IT department
### New Contract

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#### Onshore: HERNIS 400
- **Buyer:** Hyundai Engineering & Construction
- **Owner:** Hyundai Heavy Industries Co.
- **Project:** Mina A-Al-Ahmadi (MAA) Refinery, KNPC Kuwait

- **Buyer:** Saab Rosemount Marine Middle East FZC
- **Owner:** ADCO, Abu Dhabi Comp.
- **Project:** ADELCO, Jebel Dhanna Tank Farm Upgrade Project

- **Buyer:** Manco International
- **Owner:** Qatar Petroleum
- **Project:** MỞaieed Tank Farm Upgrade Phase II, Qatar Petroleum

**HERNIS 400 Compact**
- **Buyer:** Aisha Trading Co.
- **Owner:** Shell Brunei Petroleum Co. Sdn. Bhd.
- **Project:** STL Muara

- **Buyer:** Aisha Trading Co.
- **Owner:** Shell Brunei Petroleum Co. Sdn. Bhd.
- **Project:** STL Kuala Belait

- **Buyer:** Aisha Trading Co.
- **Owner:** Shell Brunei Petroleum Co. Sdn. Bhd.
- **Project:** SCOT, Seria, Crude Oil Terminal

- **Buyer:** Saudi Aramco Mobil Refinery Co.
- **Owner:** Saudi Arabian Oil Company (SAUDI ARAMCO)
- **Project:** SAMREF Project

#### Offshore: CraneTV 20 Ex
- **Buyer:** National Oilwell Varco Norway
- **Owner:** OES
- **Project:** ORS Pioneer

- **Buyer:** National Oilwell Varco Norway
- **Owner:** DOLPHIN AS
- **Project:** Bredford Dolphin, Semi-Sub Drilling

**CraneTV 30 Ex**
- **Buyer:** National Oilwell Varco Norway
- **Owner:** OES
- **Project:** OS Premier

- **Buyer:** National Oilwell Varco Norway
- **Owner:** BP Norge
- **Project:** Valhall DP

**HERNIS 400**
- **Buyer:** Craig International Supplies Ltd.
- **Owner:** Schlumberger UK
- **Project:** BP Clar, oil & gas field development

- **Buyer:** A/S Telecommunicaciones S.A.
- **Owner:** PETROBRAS/BC/SOP/CMP
- **Project:** P-53 - Marlim Leste FPU

- **Buyer:** A/S Telecommunication Services ASA.
- **Owner:** BP ASA
- **Project:** FPSO Berge Enterprise - Bergesen/PEMEX

**SHIPPING**
- **Buyer:** Cullenberg AS
- **Owner:** A. P. Møller
- **Project:** Maersk Achiever, N 8442

- **Buyer:** Cullenberg AS
- **Owner:** A. P. Møller
- **Project:** Maersk Attender

- **Buyer:** Schlumberger Information Solutions
- **Owner:** Western GECO
- **Project:** Geco Emerald

- **Buyer:** Stadt Elektro AS
- **Owner:** Geo ASA
- **Project:** Geo Challenger

- **Buyer:** Sojitz Europe Plc (Nissho Iwai Deutschland)
- **Owner:** Mitsui O.S.K. Lines (MOL)
- **Project:** KHI 1540, Tokyo Gas

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- **Buyer:** Sojitz Europe Plc
- **Owner:** Bongi Gas Transport Limited (BGT)
- **Project:** Shell LNG Finima, BGT/LNG/STASCo

- **Buyer:** Reederei Horst Zeppenfeld GmbH & Co
- **Project:** MV Aalioth N8 1546 - N8 1546

**ISPS System**
- **Buyer:** Bergshav Management A/S
- **Project:** Bergshav: MV Vibeke / MV Vinni Roro
Samsung Heavy Industries has selected the HERNIS 400 System for installation on four of its new LNG carriers to be delivered to Teekay as part of the RasGas 3 project. The HERNIS 400 system enables state of the art video motion and leakage detection capabilities in all conditions. The Teekay vessels will be chartered for a period of at least 25 years to Ras Laffan Liquefied Natural Gas Co. Limited (3) (“RasGas 3”), a joint venture company between a subsidiary of ExxonMobil Corporation and Qatar Petroleum.

About Samsung Heavy Industries:
Samsung Heavy Industries (SHI) puts its main focus on the shipbuilding and offshore business. SHI is a core affiliate of Korea’s largest group company, Samsung. The Company designs and constructs high value-added vessels such as LNG carriers and large passenger ships, as well as drill ships and shuttle tankers in which it has retained its No. 1 position.

About Teekay:
Teekay Shipping Corporation transports more than 10 percent of the world’s seaborne oil and has recently expanded into the liquefied natural gas shipping sector through its publicly-listed subsidiary, Teekay LNG Partners L.P. (NYSE: TGP). With a fleet of more than 140 tankers, offices in 15 countries and 5,100 seagoing and shore-based employees, Teekay provides a comprehensive set of marine services to the world’s leading oil and gas companies, helping them seamlessly link their upstream energy production to their downstream processing operations. Teekay’s reputation for safety, quality and innovation has earned it a position with its customers as The Marine Midstream Company.

About HERNIS:
HERNIS is the market-leading supplier and integrator of camera systems for LNG carriers and are meeting the need for the highest professional standards in safety and security for this growing energy transport sector.

HERNIS activity plan May - September 2006

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<td>16th June</td>
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<td>21st – 23rd August</td>
<td>Agent Seminar, Arendal</td>
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<td>22nd – 25th August</td>
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Statoil have placed an order with HERNIS Scan Systems for delivery of additional equipment to the Snorre B platform in the North Sea. The Camera stations will be installed in the pump room in the platform piles. The system includes 9 EX286 Camera stations together with fibre optic equipment.

On Thursday 30th March, the Factory Acceptance Test (FAT) was successfully conducted at HERNIS premises.

The platform is already equipped with the HERNIS 400 system, and by this expansion CCTV delivery, this system will be among the biggest CCTV system in the North Sea, with a total of more than 40 camera stations onboard.
On the 10th of February, HERNIS Scan Systems received the order for a fully integrated CCTV system for an innovative reeled rigid pipe laying/offshore construction vessel for Subsea 7. The vessel is designed and under construction at Merwede Shipyard. The order is placed by the Bakker/Croon combination who will be responsible for electric installation.

The vessel will be fully Dynamic Positioned (DP II), suitable for world-wide operation of reeled rigid pipe laying and offshore construction work. The pipe laying equipment will be designed and built by Huisman Itrec. Delivery of the vessel will take place in the second quarter of 2007 and HERNIS will supply its “HERNIS 400 control system including fixed-, subsea- and pan & tilt camera stations, all weatherproof stainless steel. The camera Stations will actively monitor the Helideck area, Pipelaying area, engine room and maindeck area.

With a workforce in excess of 3000 people worldwide, Subsea 7 is one the world’s leading subsea engineering contractors. The company’s global offshore operations are supported out of Asia Pacific, Brazil, Gulf of Mexico, Norway, UK and West Africa. Subsea 7 has more than 100 remotely operated vehicles (ROV’s), four pipeline construction yards and a fleet of modern, high specification dynamically positioned ships capable of deepwater reeled and flexible pipelay, deepwater subsea construction and saturation diving.

This is the largest contract HERNIS has been awarded in the Netherlands. A close cooperation with AEGIR-Marine, our business partner in the Netherlands, contributed when we were selected for this job. This is truly a major breakthrough for HERNIS in this market.

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**Principal vessel characteristics**

- Length over all approx. 157.10 metres
- Length between PP on design draught 138.32 metres
- Breadth moulded 28.40 metres
- Depth maindeck mld. 12.50 metres
- Draught design mld. 7.50 metres
- Draught scantling mld. 8.00 metres
- Deadweight (incl. Payload) at design draught approx. 10,930 tonnes
- Deadweight (incl. Payload) at scantling draught approx. 12,430 tonnes
- Ship’s complement 120 berths
HERNIS have signed two new contracts to deliver the CCTV System for two 6th generation Friede & Goldman (F &G) ExD designed ultra-deepwater semi-submersible drilling rigs, Seadrill I and II.

The scope of supply has been based on the two successful deliveries on GSF Development Driller I and II, particularly the recent one. These semi-submersible rigs are designed for operation in the challenging deepwater arena in Gulf of Mexico, West Africa and Brazil offshore, with the ability to remain in dynamic positioning mode in water depths up to 10,000 feet.

Engineered for stability and versatility, the semi-submersible rigs have an operational displacement of 43,400 metric tons at 17 metres draft and 46,750 metric tons at 20 metres draft, with 18,000 square feet of usable deck space and more than 7,000 metric tons of variable deck load.

First semi-submersible rig will be delivered on the 1st quarter of 2008 and the 2nd is expected on mid 2009.

Qatar Petroleum places a major CCTV order with HERNIS Scan Systems

HERNIS the leading Norwegian manufacturer of Hazardous Area Closed Circuit TV has been chosen to supply the complete CCTV for the Qatar Petroleum Multi-Products Berth at Mesaieed Industrial City.

The project scope is to UPGRADE THE EXISTING STORAGE TANK FARM AT MESAIEED OF QATAR PETROLEUM (GTC-151), to facilitate the increased production from various QP facilities in Qatar.

This Tank Farm is the one where QP stores all it’s production in Qatar. Except some small quantities supplied to QP Refinery at Mesaieed from time to time, all other products stored here are exported through the marine terminal.

HERNIS has already supplied CCTV System to this marine terminal (GTC-152) which has been commissioned. The system at GTC-152 will be linked to GTC-151 after commissioning of the same and both the systems will work as a single system giving innumerable benefits to the client/end-user.

Under an EPIC Contract sub contractor Manco International selected HERNIS for it’s wealth of expertise and previous experience in Qatar, coupled with the company’s ability to provide first class price and delivery service for an extensive range of superior and reliable quality CCTV products.
After several orders for HERNIS CCTV onboard the Transocean rigs, Transocean UK have placed three new orders for HERNIS CCTV equipment.

A HERNIS 400 System will be installed onboard the "Transocean Prospect", a semi submersible drilling rig being re-activated for operations in UK waters, and will combine the marine and drilling related surveillance; with the marine part mainly monitoring the pontoon areas of the rig, and the remaining part will provide surveillance of the drilling derrick and nearby areas. All the camera stations are controlled via the centralized controller unit, placed on a strategic location, allowing an easy expansion if the system when / if necessary in the future.

This is a very unique method for CCTV system onboard a rig, and in many ways this sets a standard when upgrading a drilling rig. This particular rig was built in Japan in 1983, and the impending Rig upgrades will improve the level of service it can offer to future clients. Delivery is scheduled in April/May 2006.

Another delivery of a complete HERNIS 400 system is planned for the "Transocean Richardson", which is a Transocean Rig presently operating off the Ivory Coast. This order includes 8 PT9 Camera stations as well as 6 Dome Camera stations. The system will be installed at the anchor winch spoolers and inside the pontoon areas of the rig.

Finally, the Transocean Rig "JW McLean" will undergo a retrofit drilling of the CCTV system. HERNIS will deliver 5 Camera Stations for drilling operation; some of them in safe area and others in hazardous areas. The monitor with inbuilt keyboard will be modified to suit the available space in the compact Doghouse. Central equipment will be located in safe area for easy access and maintenance as well as possible future expansion.

HERNIS are always honoured with the opportunities we have, strengthening the cooperation between all involved in a project like this, and to continuously working together with Transocean’s personnel and partners on developing the best solutions for each new and existing project.

HERNIS has a long cooperation with Transocean, of which we are very proud. A detailed article was published in the HERNIS Newsletter no. 05 - 2005.
HERNIS Scan Systems and Dan Marine (Far East) Ltd has signed an Agent Agreement for the supply and support of our CCTV Systems for the Marine and Offshore Segment in the Peoples Republic of China (PRC).

Dan Marine (Far East) is a relative new established Company, but with broad experienced engineers and servicemen in the marine business.

As the Company is already experienced with supporting and supplying high quality equipment in China from other Scandinavian manufacturers, it will fit both companies interest’ to partner up.

We are looking forward to a steady growth in China in the years to come, and like to take the opportunity to thank all involved parties for making this agreement a reality.

HERNIS strengthens IT-department

From April 1st, 2006 Audun Skjelnes will join HERNIS as an IT Engineer. However, many of his new colleagues at HERNIS are used to seeing Audun around the office, because he has been hired in for IT consultancies for several years, and so he is already considered a colleague.

When ending his military service in 1993, he started his carrier with Ementor Norge, a supplier of IT systems and services. For the following 13 years he gained through experience within maintenance and development of LAN networks and MS server platforms as well as receiving the Microsoft MCSA certification.

His main responsibility with HERNIS is attendance and maintenance together with further designing and development of HERNIS’ IT systems.

In his free time, Audun enjoys the skerries of Arendal in the summer and the snow capped mountains in the winter. Further, Audun and his wife, Maria are expecting their first baby within April 2006, so we wish him good luck with his challenges ahead, both professionally and personal.
The yearly basic training programme for service agents was conducted at HERNIS premises in Arendal on 8th – 10th February 2006. 10 agents from 7 different countries attended the seminar, which was a success in every way, both educational and social.

The agenda included training on operation and configuration of the HERNIS systems as well as education of maintenance of the HERNIS camera stations. This principle knowledge combined with practical exercises at the seminar, contributed in preparing these service agents for the important work ahead as part of HERNIS’ business partners worldwide.

The Agent Seminar was conducted in the Philippines 26th – 28th February 2006, and as usual it turned out to be a great success.

The agents were introduced to new marketing material and had a thorough review of technical details concerning the HERNIS 500 System, Compact matrixes, Digital Video Recorder and Video Motion Detection.

According to tradition the Agent Awards for best result in 2005 were presented. Prime Technology Corporation was awarded as “Agent of the year 2005” and Al-Abdulkarim Trading as well as MTR (Thailand) Co., Ltd were awarded for “Outstanding results in 2005”.

HERNIS are very focused on agent training and to make sure that persons working with our equipment are up-to-date, and seminars like this are essential in maintaining the close corporation with our business partners worldwide. We all look forward to next years seminar!
HERNIS Scan System’s Regional Office in Singapore, is doubling its size by adding yet another floor to its office space.

Due to the large increase in demand for our Products in the Region, and the demand for more skilled employee’s, HERNIS has decided to double its capacity in Singapore.

By doing this expansion, the Regional Office is ready to meet it’s customer’s demand for service and support in the Region. The new area will be suitable for more than doubling its local work-force in the next couple of years.

We like to welcome all friends, customers and partners to our new office

New employee with HERNIS in Singapore

A 3 week organised training programme for our new colleague at HERNIS in Singapore, Vincent Yap (Sales Engineer) started with the Service Agent Seminar followed by an in-house educational training schedule.

“The training program was very beneficial to me as it allowed me to meet up all my friendly colleagues in Norway” says Vincent Yap and continues: “I gained in-depth knowledge of the system, as well as the full range of products and services that we can offer through the many stages of production up to the after sales services”

Svein Gundersen, Manager of HERNIS in Singapore, is very excited about strengthening the office with a new Sales Engineer and has great confidence that Vincent Yap have the skills and experience to manage the challenges ahead of him.

TECHNICAL CORNER

LABELLING

The general form of ATEX marking follows the convention:

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II 2 G EEx de IIC T6
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- **Temperature class**
- **Gas group**
- **Protection method, primary listed first**
- **Equipment category**
- **Equipment group**
- **Label for explosion proof protection**
On February 1st, 2006, Egil Norman Olsen could celebrate his 20th year with HERNIS Scan Systems.

In the early years of his employment with HERNIS, Egil’s technical background gave him a.o. the position as technical manager as well as involvement with the R&D and the production department. When he was appointed Managing Director in 1997 he focused on strengthening the business development, which has brought HERNIS to new heights as a world leading CCTV manufacturer.

Egil is a dear colleague to everybody at HERNIS and we all wish to congratulate him on his 20th Year Anniversary!

**ERFA 2006 - “All time high”**

This is how the participants refer to the 34th Maritime Conference arranged by the Norwegian Maritime Exporters (NME), which took place in the Ferry “Kronprins Harald” from Oslo to Kiel in January.

HERNIS Scan Systems’ Marketing Director Tom Cantero was once again invited as one of the guest speakers and focused on market trends and challenges in the Cruise Market and analyzed the demands of future tonnage.

With lively discussions during the seminar, ERFA achieved their purpose for this arrangement; exchange of experience and knowledge between the ship contractors and suppliers and the industry.

**Local News Station visiting HERNIS**

For one day in January the CCTV production at HERNIS in Arendal was subject to the camera lens of a news reporter when the local news station TV-Agder visited the factory.

Reporter Ingmar Brokka Rike had a tour around the factory and the facilities of HERNIS, and made shoots and preparations before interviewing Marketing Director Tom Cantero and R&D Software Engineer Carl Are Hopen.

Both stressed that times are good for HERNIS and expressed their satisfaction of being part of the HERNIS-team.
Here at Åsgård C (North Sea) we experienced significant waves from 18.8m to 29m. We had high wind with a speed between 65 and 75 knot and with gust of wind up to 95 knot.

January 26th, 2006 weather info from Åsgard Cljorunn Knutsen
Photo: Bjørn Sandhåland.

HERNIS Scan Systems AS manufactures CCTV (closed circuit television) systems for marine, offshore and petroleum related installations onshore. Established to produce CCTV systems for marine environments in 1982, the company is wholly owned by Vislink Plc., listed in the UK techMARK Index. HERNIS has appointed agents around the world.

Agent:

HERNIS Scan Systems
www.hernis.com

Part of the Vislink Plc.