



North West Shelf Shipping upgrades entire fleet with HERNIS CCTV

The NWS fleet consists of 8 LNG carriers built for the Australia-Japan trade route. To symbolize the project's strong link between Japan and Australia, the North West Shelf LNG carriers are all named after birds that are either permanent inhabitants or regular visitors to both Australia's North West and Japan. They are the Sanderling, Swift, Swallow, Snipe, Shearwater, Sandpiper, Seaeagle and Stormpetrel

In 1985, contracts were signed with eight Japanese power and gas utilities for the long term supply of Liquefied Natural Gas (LNG). The development of this LNG trade between the two countries has involved billions of dollars worth of investment in plant, ships, loading/receiving facilities, and infrastructure and the utilisation of state-of-the-art technology.

The vessels that service the Australia-Japan LNG trade are among the most advanced ocean crafts in the world. Large and powerful, they have been specially designed to carry LNG.

Today the North West Shelf Venture is supplying 7,5 million tonnes of LNG annually, providing power and gas for Japan's major industrial regions and for some 90 million Japanese People.

LNG is created by cooling natural gas to minus 160 degrees Celsius, the temperature at which it changes from gas to liquid. When liquefied, the gas is reduced to 1/600th of its original volume, making it economic to transport in specially designed LNG carriers. At its destination, the LNG is converted back to its natural gaseous state for normal use by homes and industry.

HERNIS in Australia

HERNIS is continuously winning ground in Australia by providing high quality equipment that last a lifetime. The latest result of the work of our Australian agent, Western Advance, is the contract HERNIS won in November 2002 to supply CCTV systems to all the 8 North West Shelf Shipping vessels. The systems consists of EX285 camera stations to be installed for surveillance of the Cargo Manifolds providing visual aid for the Cargo Control Room during loading and offloading, and a PT30 camera station that is situated in the Fore mast aiding the crew in the Wheelhouse.

INSIDE

New Contracts

Maritronics
Agent in Dubai

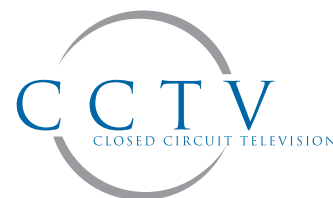
Wenche Wilhelmsen:
Switchboard operator

Stena Britannica II and Stena Adventure

HERNIS indoor and
outdoor domes

Activity Plan:
January - June 2003

HERNIS
Camcool camera





Editor in Chief:
Tove Hardaway

New contracts:

Flare Monitoring:

- Al-Abdulkarim Trading / Saudi Aramco / Uthmaniyah Plant GOSP 2, GOSP 4 and GOSP 13
- Al-Abdulkarim Trading / Saudi Aramco / Hawiyah, Plant GOSP 4

Switch System:

- Western Advance / North West Shelf Shipping / Northwest Sanderling, Northwest Shearwater, Northwest Stormpetrel, Northwest Sandpiper, Northwest Swallow, Northwest Swift, Northwest Snipe, Northwest Seaeagle, LNG Carriers

HERNIS 200 system:

- National Oilwell / Saipem SpA Norway / Scarabeo 5, Drilling rig
- Samho HI S-196 / MSC / Container Vessel
- Hyundai HI H-1506 / MSC / Container Vessel
- Mitsui / Tiszai Vegyi Kombinat / TVK HDPE Plant PE-4 CX
- Samsung HI H-1428/ BG Group Plc / British Gas, LNG Carrier

HERNIS 250 system:

- Rasmussen Maritime Services / (upgrade) Navion Clipper, Shuttle Tanker
- Western Advance / AWE Bassgas Project / BASSGAS, Platform
- Runner Engineering / Jinlin SY JLZ02-0401 and 0402 / Leif Höegh & Co, RoRo Carriers

HERNIS 400 system:

- National Oilwell / Chiles Offshore/ Central Jack Up Rig Tonalá
- Höegh Fleet Services / LNGC Matthew and LNGC Höegh Galleon
- China Shipbuilding Corp. Hno 801 and Hno 802 / All Ocean Transport Inc. / Container Ships
- Sense Technology / Exxon Neftegaz Ltd / Sakhalin 1, Chayvo Bay – Orlan Drilling Platform
- SBM-IMODCO / AP Møller / White Rose, Turret Area, FPSO
- Tecway Int. / Zenhai Refinery / ZRCC Expansion Project, Refinery
- Maritime Hydraulics / BP (AIOC) Azerbaijan / Azeri Chirag-1 Project, Drilling Platform
- Statoil ASA / Sleipner A&B, Platforms (upgrade)

Crane TV:

- Kenz Cranes / Maersk Ship Design / NB443 Maersk Winner, Anchor Handling Tug
- National Oilwell / Statoil / Statfjord B&C, Platform 2xCraneTV; Veslefrikk, Platform, 2xCraneTV; Ekofisk 2/4-J, Platform
- Torvald Klaveness Group / Barkald, Bulk transfer
- Maersk Olje og Gas / Harald West A, Platform
- PGS Production / Petrojarl I, FPSO, 3xCraneTV
- Resource Rig Supply / Glomar Int. Drilling Co. / GSF Glomar Grand Banks, Drilling Rig
- Petrobras America / Petrobras 27, Platform

Stena Line

As of February the first of two Stena vessels; the Stena Britannica II; came onstream from Hyundai in South Korea with 4,000 lane metres of freight space and accommodation for 900 passengers. Stena Britannica II will be trafficking between Harwich and Hoek van Holland.



Stena Britannica II

The second vessel, Stena Adventurer, is due onstream from medio 2003 for the Holyhead – Dublin route. Stena Adventurer is also 4,000 lane metres and accommodation for 1500 passengers. Through diligent work by our Swedish agent, Marinprodukter, HERNIS won the contract to deliver CCTV systems to both vessels.

HERNIS has delivered five S9 indoor cameras, twenty-nine S7 mini cameras for outdoor installation and seven EX290 camera stations installed in the hazardous area of the car deck. The HERNIS 400 system has added functions such as programmable quads, meaning that any monitor can pull up any 4 of the 41 camera stations onto the screen. The cameras can be displayed on 8 monitors placed in the Wheelhouse, Ships office, Cargo control room 1 and 2 and the engine control room. Again, the HERNIS 400 has proven its flexibility to meet the standard required by the customer.



Ajoy



Apurva Shah



Narasimhan



Venkatesh Rao



Raj Narayanan

Maritronics, HERNIS agent in Dubai

Maritronics group is a leading integrated technology solution provider based in Dubai, UAE. Maritronics has its origin in Marine electronics and was established in 1980. Today the organization has emerged as a leading technology solution provider in the field of automation, control instrumentation, Life sciences and analytical instrumentation, navigation, communication and software systems. The organization has developed systems and procedures to promote a positive attitude and competency among its employees to organize and deliver value to customers. In 1999 the company was awarded "The Company of the year - Professional

sector certification" under Dubai Quality Appreciation program (similar to European Quality appreciation program). Maritronics is also ISO 9002 certified.

Maritronics has a very close relationship with HERNIS Scan Systems and provides Sales support in UAE and Service support in Middle East. The team handling HERNIS products in Maritronics are: Mr. Ajoy, Mr. Apurva, Mr. Raj Narayanan (Abu Dhabi), Mr. Narashimhan and Mr. Rao. All the engineers have been trained by HERNIS.

Some of the installations in UAE carried out by Maritronics include major customers like GASCO, Abu Dhabi, ADMA -OPCO. Maritronics has also provided service support for customers based in Qatar."

Indoor and Outdoor HERNIS Dome with pan, tilt and zoom functions

We have scanned the CCTV market for quite some time to find a remote controlled dome that suited our systems and had the quality required for the HERNIS stamp of approval. After a while we realized that this product simply did not exist. We therefore developed our own domes, one for indoor and one for outdoor locations. During the development we emphasised that they had to be easy to install, manage harsh environment and at the same time have a delicate appearance. The results are domes that can manage a lot of vibrations, making them suitable for the offshore and



Indoor Dome



Outdoor Dome

marine environment. The outdoor model is approved to IP67 and made in our usual high quality 316L Stainless Steel. 100 preset positions are standard for both domes. The indoor ceiling mounted dome has a firepot integrated in the roof for added fire protection. The new domes will easily blend into any environment and can be controlled directly from all our control systems.



Wenche Wilhelmsen Switchboard Operator and Administration Secretary

Wenche is the first person you meet at HERNIS. Whether you are calling or visiting, you will always meet her pleasant voice or smiling face first.

Wenche joined the HERNIS team in August 2000. Prior to HERNIS, Wenche was lucky enough to be able to stay at home while her children grew up. Her three children are Anette 20, Svein Atle 17 and

Eivind 15, so her family life is active and happy. Wenche is happily married to Svein.

Wenches working career has been gilded; she has worked at AHA jewellery manufacturer, as a secretary at a Jewellery shop and as a secretary for Elektrisk Bureau (now Ericsson). In her free time Wenche enjoys her boating life in the summer and the skiing and mountains in the winter. Family and friends are blessed with her enthusiastic presence. As for her hobbies; she sings in a choir, does handcraft, loves baking and taking photos, and - as she explains - "I just love life!"

Camcool Camera Station

Our redesign of the Camcool camerastation has become a great success. The tiny new Camcool measures only (LxBxH) 266x169x178mm (with mounting bracket). The camerastation can operate in an ambient temperature between $\pm 10^{\circ}\text{C}$ - $+70^{\circ}\text{C}$ and is approved to IP66. The internal cooling system has a thermoelectric cooling element and therefore contains no movable parts. This system keeps the cameras operating temperature below 43°C . The Camcool Camera station can be connected directly to any of the HERNIS control systems via our 25122 cable and have a cable span of upto 250m

without any added power supply, making it very easy to install. Typical locations for the camcool are in the engine room or separator room.



HERNIS Camcool

HERNIS Activity plan January to June 2003

Date	Venue, stand/booth no.	Date	Venue, stand/booth no.
March 3rd - 7th	Seatrade Cruise Shipping Miami Florida	May 13th - 15th	Cruise & Ferry London
March 19th - 21st	AOG Australia	June 3rd - 6th	Norshipping, Oslo
April 5th - 8th	MEOS Qatar	June 4th - 6th	Brasil Offshore, Macae
May 5th - 8th	OTC Houston	June 5th - 8th	Agent Seminar Arendal

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., which is listed on the London Stock Exchange. HERNIS has appointed agents around the world.

Agent:



Singapore office: Loyang Offshore Supply Base, Tel: +65 654 59 068, Fax: +65 554 20 879

P.O. Box 619, NO-4809 Arendal, Norway,
Phone +47 37 06 37 00, Fax +47 37 06 37 06,
E-mail: cctv@hernis.no, Internet: www.hernis.com

