

HERNIS news letter

NOVEMBER 1999



Brent Field Redevelopment Project

The largest engineering project ever undertaken in the history of the north Sea oil and gas industry

Shell U.K. Exploration and Production, operating on behalf of Shell and Esso, first began developing the Brent Field in 1972, with the first platform starting production in 1976. The Brent Field was developed using four platforms, three concrete and one steel.

Thirteen years after the Brent first came on stream, Shell Expro began to evaluate methods of extending the productive life of the field. The resulting project, Brent Field Redevelopment, took three years to plan and a further five years to implement. The project had a price tag of £1.3 billion and provided employment for some 3,000 people.

Although the process facilities were ageing, the structures themselves together with the wells and pipelines beneath them, were all in good condition. The decision was made to replace the redundant process modules and refurbish the remaining facilities. It was established that only three platforms - Brent Bravo, Charlie and Delta - needed to be redeveloped and that one of them -

the Charlie - would be fitted with a new 'state of the art' drilling rig nicknamed the NDES (New Drilling Equipment Set).

The Brent Field Redevelopment was the ideal opportunity, not only to meet the Cullen Reports new safety requirements but also to design and build intrinsically safer workplaces throughout the Brent Field. Brent, with its redeveloped "state-of-the-art" facilities is now equipped to remain Britain's largest oil and gas producing field for many years to come.

Hernis' continuous presence in major projects and developments

Hernis has followed the Brent Field from 1992 when we sold the first CCTV systems to the platforms, through the different phases during the redevelopment including the installation of a complete CCTV system in the Charlie NDES which was installed at the beginning of 1997. Hernis intention is to follow them till the very end of their expected productive life which is estimated to be well into the 21st Century. The system installed in 1992 is still in good working condition, and has only been expanded with additional cameras and monitors. They have been upgraded from being black/white systems to colour systems, and had the old HE284 control system replaced by our Hernis 200 system.

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New contracts For the HERNIS 200 system:

- A.Ugland, Shuttle Tanker, Tsuneishi 1166
- OOCL, Container vessels, Kaohsiung Shipyard H788/789
- A.P. Møller, Cable layers, Volkswerft NB 430/431
- Exxon Refinery, M.W. Kellogg Co., Singapore Syngas
- A.P. Møller, M/S Maersk Forwarder - Cable layers, Fredericia shipyard, retrofit

For the HERNIS 250 system:

- Rowan Gorilla VI Jack-Up Drilling rig, Rigsolve Ltd.
- Navion MST-4, Norse Electronics, AESA 084

For the HERNIS 400 system:

- SaiBoss Drilling vessel, Samsung H1311
- Statfjord C, Statoil, Retrofit
- Snorre B, Kværner O&G, Saga Petroleum
- RBS8D Drilling rig, Hyundai H.I., R&B Falcon Drilling

Hernis has delivered CCTV systems to 17 LNG tankers operating for KOGAS

KOGAS has, during the past two years, ordered 13 LNG tankers from 4 major Korean shipbuilders;

Samsung Heavy Industries, Hyundai Heavy Industries, Daewoo Heavy Industries and Hanjin Heavy Industries. The vessels are owned by SK (Yokung) Line, Hyundai Merchant Marine, Korea Line and Hanjin Shipping.

The LNG tankers are to be used for importing LNG from The Middle East to Incheon and Pyongtaek gas plants in Korea. Four tankers were delivered for KOGAS in the early nineties and the remaining 13 tankers are to be delivered shortly. The CCTV system has control stations on the bridge, central administration control center, and the engine sub control room. The cameras installed in the engine room, cargo machinery room and cargo motor room include microphones to allow for audio and visual contact. Cameras have also been installed at the manifold and mooring areas for visual contact.

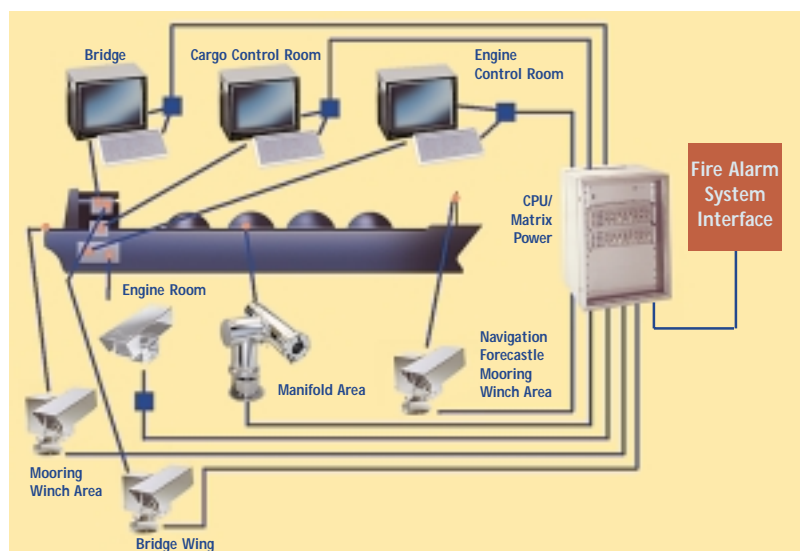


Snorre B



Hernis Crane Camera “Eye in the Sky”

This is the perfect solution for the Crane Operators. With its hydraulic damper it provides a stable picture of all the “blind spots” previously hidden for the Crane operator. The camera is Exd-certified for Zone 1 and 2 with high IP-rating and is especially constructed for the Marine & Offshore environment. Colour Camera and Monitor is being used to ensure best possible picture and by offering a selection of monitor sizes this equipment should suit any cabin. Additional camera for the winch is optional.



A proposed CCTV system for Gas Tankers



Dilip Gidwani

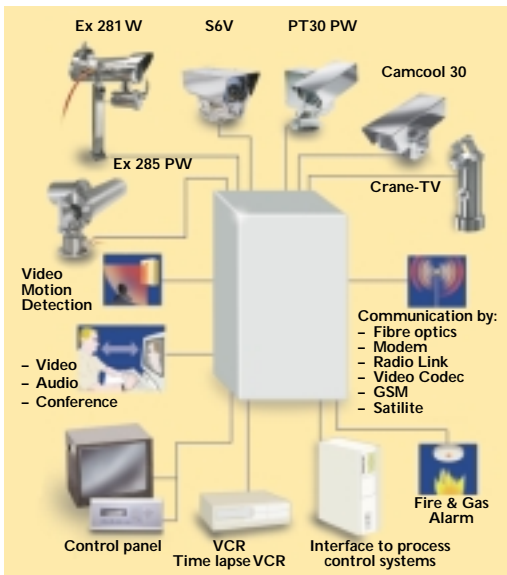
Anchor Equipment & Spares Pvt - HERNIS anchorage in India

honoured with the "Most Outstanding Results - 1998" plaque by HERNIS

Anchor Equipment & Spares Pvt. Ltd. is an indenting house and the nature of the business is marketing overseas industrial equipment in India. The company was founded in 1985 by Mr. Narotham Chanillo. Anchor Equipment & Spares Pvt. Ltd. has the head office in Bombay with offices in all major cities like Delhi, Calcutta, Chennai, Nagpur, Baroda, Cochin etc. They provide all type of industrial spares/capital equipment to all major private / government sector industries like Reliance, Oil & Natural Gas Corporation Ltd (ONGCL), National Thermal Power Corporation (NTPC), Indian Oil Corporation Ltd. (IOCL) and many more. Mr Narotham Chanillo (Managing Director) with Mr. Raj Bamb (Director Marketing) and Mrs. D.N. Pathak (Finance Director) have been with the company since the very beginning. Anchor has now all diversified quoting for Revanping of Turbines.

Advantages with the HERNIS 250 system

The system is built as a complete central in a compact rack which when using the HERNIS



HERNIS 250 system

Multicables makes the installation fast and problem-free. The system is very easy to operate, and the operators keyboards are made "coffee proof", to avoid any damages if an accident should occur. The system has a built in CAN port which enables the system to communicate directly with our select only keyboard (CS100). Each monitor has an individual sequence and any camera and any pre-set position can be selected to the sequences. There are 10 pre-set positions per pan & tilt camera station, and the power supply to the cameras are centralised. The HERNIS 250 system may easily be interfaced to fire & gas alarm systems.



Agent Training Seminar in Houston and Arendal

HERNIS have arranged two training seminars for the agents this year. The first one being held in Houston, Texas in conjunction with the OTC exhibition, and the second being held in our premises in Arendal, in conjunction with the NorShipping exhibition in Oslo.

Both seminars turned out to be very informative for all of the attendees, this being the agents and the HERNIS staff. Lively discussions, exchange of experience, update on technology, information about product developments, and social gathering during the evenings are the main ingredients in our training seminars. Agents seems to value these occasions, and our "top of the lead" agents reserves time to attend at least one seminar every year, to keep themselves up-to-date with the latest of the latest when it comes to technology, markets, project etc.

- Startin on the left:*
 Kenneth Mill, Brazil
 Andrea Davanzo, Italia
 Jerry Bourgeault, USA
 Eric Shin, Korea
 Valentin-Serban Ganca, Romania
 Jack Caravello, USA
 Petrisor Cremenescu, Romania
 Tim Kutscher, Germany
 Janine Harris, UK
 Jorgen Sletten, Houston USA
 Leif Griffin, Miami USA
 Egil Normann Olsen, HERNIS
 Kelvin Lim, Malaysia
 Torjus K. Jore, Norge
 C.K. Ching, Malaysia
 Gaute Morland, HERNIS
 Roy Thorkeldsen, HERNIS



Sales Department

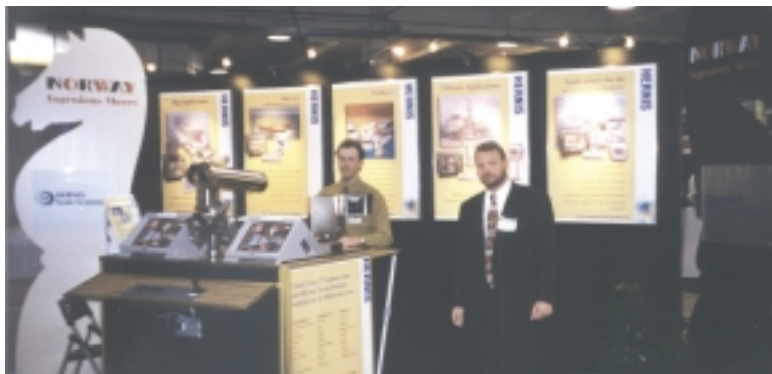
The sales & marketing department at HERNIS Scan Systems consists of the marketing director, five area sales managers and a secretary. The sellers are individually responsible for certain geographical areas, and work hard to create and maintain good relations with key customers in their area. HERNIS also have a network of approx. 30 agents around the world, whom in cooperation with the area sales managers keep contact with, and visit clients as well as projects.

The sales department is working close as a team, and we try to incorporate our agents to adapt to our team spirit. This is something we focus on during our agents training courses which are being held twice a year. During our last agents training course one of our agents actually told us that he did not feel like an agent, but as a part of the HERNIS team.

Starting from the back left we have:

Jan Kristensen, Svein Gundersen and Jan Kleivene

In the front row: Per Arne Richardsen, Gaute Mørland, Bjørn R. Saltermark and Tove Hardaway



Over:

The OTC exhibition this year turned out to be the best and biggest exhibition ever

Right picture:

NorShipping exhibition Jan Kristensen, Sverre Bjørn Ledaal and Tove Hardaway with a customer

OTC, Houston

3. - 6. May 1999

The first agents training course this year was held in Galveston outside Houston in conjunction with the OTC exhibition. Attendees from 10 agents arrived at the Hotel Galvez and had two days of intensive and informative training, before moving into "the heart" of Houston and the OTC exhibition. The exhibition is said to be the best and biggest ever, and in Texas that really mean something! As a direct result from exhibiting at the OTC, HERNIS received an order by Rigsolve in Aberdeen to deliver a CCTV system to the Rowan Gorilla 6 jack-up rig.

AOG, Perth

19. - 23. April 1999

The Australian Oil and Gas exhibition in Perth Australia in late May was a great success for Western Advance (HERNIS agent in Australia). The stand was dominated by a large 1500mm video screen displaying the images captured by the high resolution cameras in the Ex285 and the PT30. The Stand Team consisted of Mike Sapir, Susan Pugh, Mike Pugh, Marji Valenti and Svein Gundersen.

NorShipping, Oslo

8. - 11. June 1999

The NorShipping exhibition in Oslo in June of this year is also said to be the best and biggest ever. And HERNIS certainly had their share of visitors and interested customers popping in to the stand for business purposes or just for some informal small talk. A lot of contacts were made, and proposals have been sent to upcoming projects requiring CCTV systems. Prior to the exhibition HERNIS arranged the second agent training course this year at their premises in Arendal with 7 agents attending. Again the feedback from the agents is that these are highly valued courses, and the level of confidence is increasing dramatically among the attendees.



HERNIS Scan Systems AS manufactures CCTV (closed circuit television) systems for offshore and other petroleum related installations. Established to produce CCTV systems for marine environments in 1982, the company is wholly owned by Silvermines Plc., which is listed on the London Stock Exchange. HERNIS has appointed agents around the world.

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