



New Owners and a Bright Future for Norcontrol IT



Left to Right: Harald Østby, Director Sales and Marketing, Jan Anders Horntvedt, Managing Director, Odd Kyllingmark, Executive Vice President Land Systems and Surveillance Division, KDA, Helge Brenden, Director Operations,

Kongsberg Defence & Aerospace AS (KDA), has acquired 100% ownership of Norcontrol IT AS, through the purchase of two-thirds of the shares from Kongsberg Marine IT (a division of Kongsberg Maritime), and the remaining third from minority shareholders.

Norcontrol IT will remain a separate, private company, integrated into a newly established division within KDA: Land Systems & Surveillance which provides maritime and land based surveillance systems for civilian, military and other public installations at national and international levels.

"The acquisition by KDA is good news for our customers in the port, coastal and offshore markets. It's business as usual but we are much stronger, with more resources to face challenges in the future," comments Jan Anders Horntvedt, Managing Director, Norcontrol IT. "Our organisation, structure and management team will remain and we will gain additional strengths in the coastal surveillance and security markets enabling us to offer a more complete package."

Norcontrol IT is a market leader in maritime surveillance including Vessel Traffic Management and Information Systems (VTMIS) and Automatic Identification Systems (AIS), with more than 160 installations worldwide. The company has recently launched a sophisticated new maritime domain awareness operator display that has already been selected by the UK's Maritime and Coastguard Agency (MCA) to supply AIS network infrastructure.

"Norcontrol IT's market position and range of products constitute a very important contribution to our efforts in this field and will help ensure that we enter this arena with a strong market position," comments Odd Kyllingmark, Executive Vice President of the new Land Systems & Surveillance Division of Kongsberg Defence & Aerospace AS.

Norcontrol IT's headquarters remain in Horten, Norway and its worldwide subsidiaries will continue as usual, providing R&D, sales and customer support at the high levels customer's expect from this international market leader.

Research Project Update

Norcontrol IT focuses on our customer's needs through continuous product improvement from research and development. We know that improvement to our products is an enhancement to the safety and quality of maritime domain awareness. One-third of our staff is actively involved in research and development.

Norcontrol IT is currently involved in three key research projects, utilising our experience and expertise to develop key issues in the EU and in Norway.

• **Maritime Navigation and Information Services (MarNIS) is an EU research project within the sixth framework programme. The project kicked-off in Venice one year ago, and will run for 4 years. It has 47 participating companies and a total budget of €19.2 million.**

Norcontrol IT is an active partner in three work packages in MarNIS:

Integration of AIS functionalities. This work package addresses:

- Long Range AIS / Long Range Identification and Tracking (LRIT)
- Non-AIS Location Information Monitoring (focus on the use of non-AIS radio network services like GPRS/Edge/UMTS, WiMAX, etc.)
- Integration of AIS with Synthetic Aperture Radar imagery from satellites, enabling vessels responsible for oil spills to be identified.

Modern Vessel Traffic Management (VTM). This work package addresses:

- Categorisation of incidents and accidents in European ports.
- Development of a Quantitative Risk Assessment method for generic ports of different size.
- Optimum solutions for VTM in ports of different complexity, including development of a time and space slot planning prototype.

Test Bed. Spans all MarNIS work packages and addresses:

- Test bed facility requirements from each work package.
- Test bed architecture.
- Test planning and reporting.

In addition to these 3 activities, Norcontrol IT has recently been asked by MCA UK and the MarNIS Management Team to contribute to 'Preventive and remedial safety measures at sea', which addresses Integration of Search & Rescue functionality and VTM functionality for coastal surveillance, with the MCA AIS network as a basis.

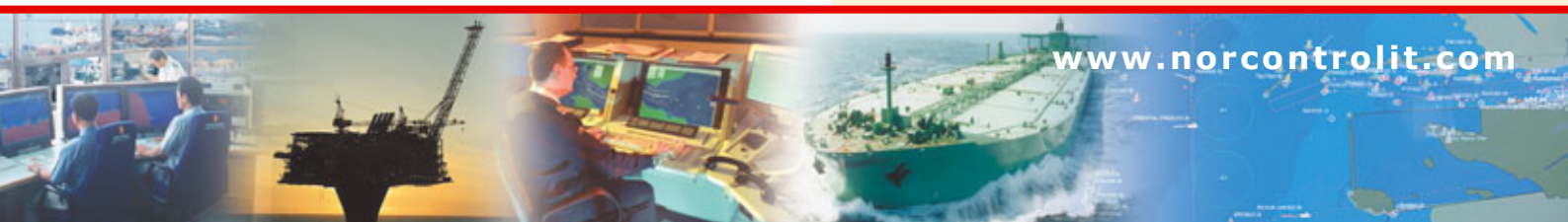
Norcontrol IT is currently also involved in two Norwegian research projects sponsored by the Norwegian Research Council:

• **3-Dimensional Safety Zone – The project period is 2006 - 2007, and the consortium comprises Det Norske Veritas (DNV), Kongsberg Maritime (shipborne ECDIS/ECS), C-MAP and Norcontrol IT.**

The main objective is to build the foundation for a safety zone concept of maritime objects, like vessels, sea-floor, buoys, offshore helicopters or sandbanks.

• **Efarled – The project period is 2006 - 2008, and the consortium comprises Kongsberg Maritime (shipborne ECDIS/ECS), Kongsberg Seatex, C-MAP, Semekor, met.no, Christian Michelsen Research, Sintef, Kystverket and Norcontrol IT.**

The main objective is to increase safety by developing a decision support system that can predict critical situations for vessels sailing in littoral waters. Topics including hi-res forecasting models, use of Galileo and LRIT, new graphical interfaces and the transfer of data between VTS and onboard ECDIS/ECS will be addressed amongst others.

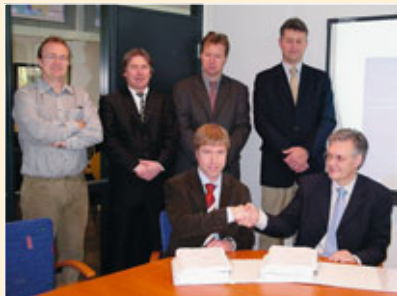




Contract Updates – 'A Busy Time'

Norcontrol IT has had a busy period. Our most recent contracts include highly technical VTMIS systems in Norway and China and the provision of enhanced Maritime Domain Awareness for Malta. These contracts will be fulfilled in 2006.

VTMIS contract with Norwegian Coastal Administration



From left to right: Jarle Hauge, Chief Engineer, Norwegian Coastal Administration; Eivind Solberg, Key Account Manager, Terje Alling, Project Manager Varde VTS, Norwegian Coastal Administration; Harald Østby, Director Sales & Marketing.

Sitting: John Erik Hagen, District Director, Norwegian Coastal Administration; Jan Anders Hornvedt, Managing Director.

The new Vardø VTMIS will enable the Norwegian Coastal Administration to monitor traffic and view data from AIS and radar sensors, covering northern areas in the Arctic, from the Barents Sea to Rørvik in the south.

An essential task for the Vardø VTMIS will be to monitor the oil and gas transports along the sensitive Norwegian coastline, where fisheries and tourism are key industries. The Vardø VTMIS will be an important surveillance tool for increased maritime safety in these areas.

The new system will consist of a VTMIS solution delivered by Norcontrol IT as well as a Message Central developed by Ericsson Microwave System. The new Message Central will be integrated to SafeSeaNet and will give access to relevant shipping data such as HAZMAT onboard, departures and arrivals.

The VTMIS contract includes delivery of three VTS operator workstations, one maintenance server, and two web servers. A dual Coastal Management Information System will be installed to provide the latest Internet based application technology, offering a simple and user-friendly interface that facilitates ease of data entry, maintenance and reporting on critical information. A dual Warning and Integration server, weather station, and AIS integration will be incorporated in the solution.

Norcontrol IT will also provide an option for a radar site at Melkøya, home to Europe's first gas liquefaction plant, which is being built in connection with the Norwegian 'Snøhvit' offshore development.

The delivery is due for completion at the end of 2006 and the Vardø VTMIS will be operational by January, 1st 2007.

Malta provides a whole range of international maritime services and facilities including: deep natural harbours and well equipped ports, which offer a haven for international shipping, extensive bunkering, ship supplies and towage services, ship building and ship repair yards, modern facilities for transshipment and distribution, including a very successful container terminal and oil terminal, a hub for cruise liners, international yacht marinas and of course, an international ship register which is now established as one of the largest in the world.

The Project is set to achieve the objectives of the EU Directive 2002/59/EC and includes installation of remote radar, a brand new Ericsson microwave network and a new VTS Centre for the MMA with delivery set for December 2006.

The networked radar will monitor both port and coastal traffic and shall be augmented by VHF radio, AIS and VHF-DF. To compliment the new radar network and communications package, Norcontrol IT's market leading Port Management Information System (PMIS) will assist the MMA to manage their resources and provide data for the EU's SafeSeaNet.

VTMIS upgrade for Tianjin Port



Tianjin Port in China will get a sophisticated new VTMIS5060 system. It features an open system architecture that will easily allow interfacing to other equipment and further expansion.

The current system at Tianjin remains in good operating order, however the VTMIS5060 system is preferred for further technical development and its ability to seamlessly incorporate an Information Management System.

In addition to Norcontrol IT's well proven VTS operator display software, the contract includes new radar video extraction and tracking functionality, and features improved warning, logging and replay and remote display functionality. Norcontrol IT will also be responsible for supplying several subsystems including two new radars, a VHF system and equipment for network communication.

Contact us...

Norway

Norcontrol IT AS (Main Office)
Bromsveien 17, PO Box 1024, N-3194 Horten
Tel: +47 3308 4800

Singapore

Norcontrol IT Pte. Ltd.
3 Loyang Way, Singapore 508719
Tel: +656 545 7375

China

Control IT Xiamen
Room 2607, South Lake Pearl, East Hubin Road,
Xiamen 361004 · Tel. +86 5925 0310 95

India

Infospectrum/Norcontrol IT Pvt. Ltd.
Tel: +91-712-2224121/3952226

South Africa

Norcontrol IT Pty., Ltd.
P.O. Box 1519, Hillcrest, 3650
Tel. +27 31 767 8150

South Africa

Marine Data Solutions (Pty) Ltd
P.O. Box 51680, Waterfront 8002,
Cape Town
Tel. +91 712 2224121

UK

Norcontrol IT Ltd.
12 High Street, Winterbourne, Bristol
BS36 1JN · Tel: +44 1454 774466

UAE

Kongsberg Middle East
P.O. Box 5250, Abu Dhabi
Tel. +971 2 4451-956



Contract signing ceremony, left to right: Anders Rilby, Commercial Director, Ericsson Microwave Systems AB; Edwin Zarb, Director General (Contracts), Dept Contracts, Malta and Steve Guest, Regional Sales Director

Maltese Maritime Domain Awareness

This project, which is jointly financed by the European Union and the Malta Maritime Authority MMA, is the first phase of Malta's ambition to achieve a full coverage of vessel traffic management around its shores and territorial waters.

