

# The leading provider of underwater instrumentation...

### Hydrographic survey ships and launches

With the task of collecting accurate information about the seabed, hydrographic survey vessels must be equipped with instrumentation that is efficient, accurate, and reliable. The Kongsberg survey instrumentation solutions are adaptable to the different user requirements, through a broad range of multibeam and single beam echo sounders. Real time data processing and visualisation software gives the surveyors immediate information about the progress of work and the quality of the data that is being collected.

### Underwater security and naval sonars

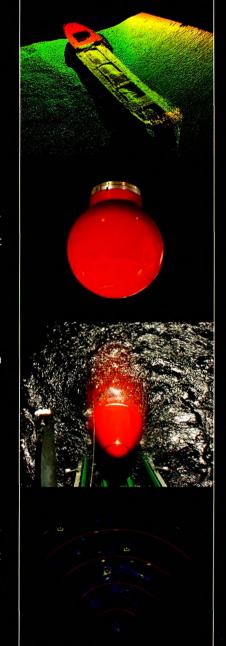
Protection of harbours, vessels, sensitive structures and installations against terrorism is vital and ever more important. Navies around the world are focusing on littoral warfare scenarios. Kongsberg naval sonars are specially designed to meet these challenges. Based on the most advanced hydroacoustic technology available, our efficient and high performance sonars are the logical choice.

### **Autonomous Underwater Vehicles (AUV/UUV)**

Autonomous underwater vehicles are being used increasingly as a supplement to surface ships, for a number of different data collection tasks. For seabed mapping or inspection purposes they can bring the sensors closer to the seabed and thus obtain a more detailed result. Mine detection and classification can be carried out without any risk to human life. We are one of the pioneers in this field, and can supply well proven and reliable turnkey systems as well as instruments, accurate underwater positioning, data collection and control modules.

### Underwater navigation, positioning and telemetry

High performance hydroacoustic positioning is vital for any professional underwater operations. Kongsberg has for decades set the performance standards for under water positioning systems. Complemented by a comprehensive range of intelligent and self powered transponders, these systems provide the most complete and powerful, acoustic navigation and positioning tool available in the market today. With our acoustic based telemetry system data can be communicated to and from subsea installations and costly underwater cables are avoided.



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# THE INTERNATIONAL HYDROGRAPHIC REVIEW

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■ Editorial	
By Adam J. Kerr, Editor.	7
■ Articles	
Multi-Algorithm Swath Consistency Detection for Multibeam Echosounder Data	
By Brian Calder, Center for Coastal and Ocean Mapping & NOAA-UNH Joint Hydrographic Center, University of New Hampshire, Durham, USA.	9
Study on Marine Sandwave Dynamics	
By Thierry Garlan, Navy Hydrographic and Oceanographic Service, France.	26
LITTO <sub>3</sub> D - A Seamless Digital Terrain Model By Yves Pastol, Catherine Le Roux and Laurent Louvart, Navy Hydrographic	
and Oceanographic Service, France.	38
Re-surveying Decision Support Methodology Fuzzy Logic as an instrument for establishing	
area selection and priority By Sebastião Simões de Oliveira and Flávio Joaquim de Souza, Brazil.	45
The New IHO Geospatial Standard for Hydrographic Data  By Lee Alexander, CCOM-JHC, University of New Hampshire, Durham, New Hamps  Michael Brown, Office of Coast Survey – NOAA, National Ocean Service, Silver Sprin  Maryland, USA; Barrie Greenslade, United Kingdom Hydrographic Office, Taunton, U  and Anthony Pharaoh, International Hydrographic Bureau, Monaco.	g,
A Survey of Mariners' Opinions on Using Electronic Charts By Igor Karnicnik, M.Sc. Geodetic Institute of Slovenia, Slovenia.	63
FIG Guide on the Development of a Vertical Reference Surface for Hydrograph By FIG Commissions 4 and 5 Working Group 4.2.	y 68
■ Book Reviews	
The Electronic Chart	
<b>2nd Edition</b> By Horst Hecht, Bernhard Berking, Gert Büttgenbach, Mathias Jonas, Lee Alexander.	81
	01
William Stimpson's Journal from the North Pacific Exploring Expedition 1853-1856	
By Ronald S.Vasile, Raymond B. Manning and Rafael Lemaire.	83
Letter to the Editor	
	85

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