Evening Lecture

Jointly Organised by
The Joint Branch of RINA & IMarEST
Society of Naval Architects and Marine Engineers Singapore
and
Centre for Offshore Research & Engineering (CORE), NUS

“Sensor Technology in Oil and Machinery Condition Monitoring and Reliability in the Marine Environment”
By Mr. Martin Lucas, Regional Director
&
Mr Zainudin Yahya, Manager
Kittiwake Asia-Pacific

Date: Tuesday, 27 March 2007

Time: 6.30pm to 7pm Registration & Refreshments
Talk begins at 7 p.m. and ends at 9 p.m.

Venue: Seminar Room EA-02-11, Faculty of Engineering, National University of Singapore (see attached map)

Please see the attached documents for the abstract of the talk and biography of the speaker.

Please confirm with Ms. Juliana by Friday 23 March 2007 via the reply slip.

A/Prof. Choo Yoo Sang
Chairman
The Joint Branch of the RINA and the IMarEST (Singapore)

REPLY SLIP - Fax No. 67791635; Tel No. 65162151; Ms Juliana Miswan, Email: cvejulia@nus.edu.sg

Yes, I would like to attend the talk

Name: _________________________________________________________________
Designation: ___________________________________________________________
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“Sensor Technology in Oil and Machinery Condition Monitoring and Reliability in the Marine Environment”

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ABSTRACT

The importance of oil condition monitoring has long been recognised as a vital part of any RCM (Reliability Centred Maintenance) programme and recent developments in the manufacture of sophisticated sensor technology for real time monitoring of oil and machinery condition has brought the issue of asset reliability back into focus. Strategically positioned sensors in oil lines on critical assets will provide real time 24/7 data about the changing conditions of the oil and also early indications of the onset of severe and critical wear conditions, thus allowing a proactive approach to improving maintenance practices and failure prevention. The ability of this new sensor technology to provide multiple data communication types will allow asset reliability monitoring to take place either onboard ship or back at port. This paper will provide details of the currently available technology, development data relating to real life applications and case studies.

ABOUT THE SPEAKER

Martin Lucas studied Industrial Engineering in London in the ’70’s. He has been involved in the development and manufacture of instrumentation for the last 25 years and has operated in the aviation and oil and gas markets during this time. He spent 14 years as General Manager of Stanhope Seta, a major manufacturer of laboratory oil analysis equipment, latterly developing their market in Asia Pacific. He joined Kittiwake Developments as Sales and Marketing Manager 7 years ago and is currently Director Asia Pacific and responsible for developing the Asia Pacific market for oil and machinery condition monitoring equipment in both the marine and land based markets.

Zainudin Yahya graduated from University of Nottingham in Electronics & Mathematics. He is currently the Manager of Sales & Marketing for Kittiwake Asia Pacific, managing 13 dealers in 10 countries. Joining Kittiwake from PETRONAS on 1st January 2007. He has worked with PETRONAS for over 10 years in various positions starting with project management, then moving on to business planning, dealer’s management, lubricant engineer for PETRONAS domestic marketing, then continued overseas. Finally his last posting in PETRONAS is in new market entry and outsource manufacturing.