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NEWSLETTER

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## NORWEGIAN TRAINING CENTER - MANILA (NTC-M) AND SHIP MANOEUVRING SIMULATOR CENTRE AS (SMS) IN TRONDHEIM, NORWAY ARE ENHANCING THEIR COOPERATION.

Our mutual aim is to establish a simulator center at NTC-M premises for the shipping and offshore industry which is recognized as the best provider of high quality training in Asia when it comes to training within bridge-, dynamic position- and crane.

The present Norcontrol bridge simulator has already been technically upgraded; SMS' ship models have been introduced as well as new sailing areas. Additionally, SMS has developed a new visual system that has been implemented.

In March 2007 we are expanding our cooperation, installing:

Three **Dynamic Positioning** simulators in order to run Basic- and Advance courses, as required to obtain DP-certificate.

The set-up of three DP- simulators will be similar to the SMS/Kongsberg set-up in Trondheim, Norway and includes full SMS-simulator functionality including visuals. The DP-simulators set-up also integrates various Position Reference Systems. These DP-simulators will be the most advanced in Asia.



### A new full mission **SMS bridge simulator**.

This will be the second full mission SMS bridge simulator at NTC-M, but the first one with a widescreen view. This bridge simulator is prepared for integration of DP systems thus allowing the development of tailored training for various DP units.

The introduction of a second full mission bridge simulator may also provide a good tool for joint training, running the bridge simulators in the same scenario.



A basic **Crane simulator**, providing simulator- based training for Offshore- and Ship Crane Operators. The training will be adapted to the North Sea OMHEC Training Standard / Norsok R-003 where relevant. The 2 weeks course will also include restricted VHF certificate and a Slings and Lifting course.

## Norwegian Training Center - Manila

NTC-M Building TESDA Compound  
East Service Road Taguig  
Metro Manila  
PHILIPPINES  
Phone: +63-2-812 0742  
Fax: +63-2-812 6728  
ntcm.registrar@ntcm.com.ph

We Stand for  
EXCELLENCE



Director Odd Magne Skei  
director@ntcm.com.ph



Project Manager Morten Johnsen  
project.manager@ntcm.com.ph



Training Manager Rex Recomite  
training.manager@ntcm.com.ph



Admin. Manager Sila Tani-Salva  
admin.manager@ntcm.com.ph



Finance Manager Paul Brillante  
finance.manager@ntcm.com.ph



IT Manager Francis Deeje Morelos  
it.manager@ntcm.com.ph

## Electronic Chart Display and Information System

In second quarter of 2007 an upgraded version with new hardware of our **Electronic Chart Display and Information System (ECDIS)** will be installed. This upgraded version will include the AIS system.



## LNG/LPG Cargo Handling Simulator

**LNG/LPG Cargo Handling Simulator** was installed in February 2006. At present we run membrane- and spherical LNG courses that are suitable for personnel with some previous liquid cargo experience, (phase 2). Under development are Basic- courses (phase 1), and a phase 3 course with emphasis on malfunctions. The courses will be adapted both for membrane and spherical tank vessels. We are now also running LPG Cargo Handling Course.

For all activity in Manila, a (re-) training regime will be established, where instructors from NTC-M and SMS will deputize in Manila and Trondheim respectively. We feel confident that this will contribute to improved overall quality.



**DP Basic course to start Monday, 16 April 2007 course fee US\$ 1950**

**The course is now open for booking  
(See schedule at [www.ntcm.com.ph](http://www.ntcm.com.ph))**

**The Crane simulator course will be open for booking late April 2007.**

**The new bridge simulator will be up running late March 2007.**

**THE GRAND OPENING OF THE MOST ADVANCED  
SIMULATOR CENTER IN ASIA WILL BE ON  
18 APRIL 2007 AT 1400 HRS.**