



September 2005

NEWSLETTER

Volume 4, Issue 3

## Courses

- Management Courses
- Cargo Handling Courses
- Shiphandling Simulator Courses
- SAS-BRM Course
- DNV ISM & Internal Audit Courses
- BASS Courses
- AMOS Windows Courses
- GMDSS Course
- Spray-painting and sandblasting Courses
- Upgrading courses Cooks and messmen
- Welding Courses
- Alfa Laval Courses
- Bilge Water Management Course
- Framo Courses

## SHIP MANOEUVRING SIMULATOR CENTRE AS (SMS) IN TRONDHEIM, NORWAY AND NORWEGIAN TRAINING CENTER- MANILA (NTC-M), ARE JOINING FORCES



Our aim is to generate a joint presence, which is recognised as «the quality training centre» in the region, both for the offshore- and shipping industry. NTC-M and SMS have for quite a while negotiated in order to introduce new products and to improve the quality of simulator-based training offered in the Philippines and the neighbouring areas. The initial development is already carried out: The present simulator has been given a technical upgrade, introducing SMS' ship models and sailing areas. In addition, a new visual system has been implemented. The first

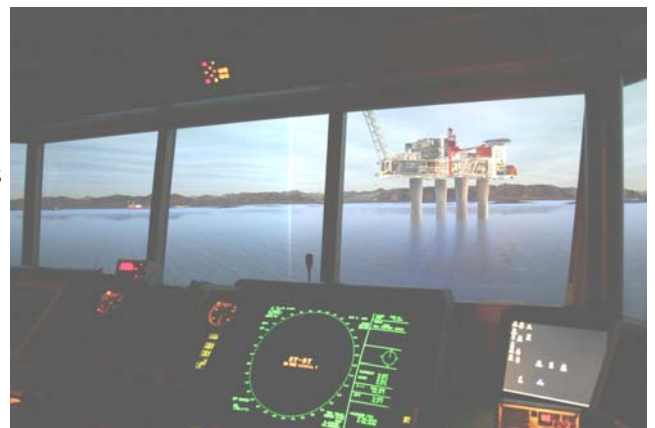
“SMS course” took place week 36/2005.

Both NTC-M and SMS agree that *quality* is a key-word with regard to the training courses that will be offered on NTC-M's premises. Therefore, NTC-M and SMS have started a process in which all previous NTC-M courses, which includes use of the bridge simulator, will be given a thorough quality-control. In addition to the above mentioned technical upgrade, the quality-control will include course contents and course material. An intensive instructor training programme will be carried out accordingly.

SMS' presence will also lead to the introduction of new course-types. Some of these are:

Dynamic Positioning, Basic- and Advanced, as required to obtain a DP-certificate. This setup will be a copy of SMS' set-up in Trondheim, Norway and includes full SMS-simulator functionality. The DP-simulator set-up integrates various Position Reference Systems. It is assumed that these courses will be operational early 2006.

Crane. NTC-M and SMS are at present examining the possibility of establishing a crane simulator, with the aim of providing basic simulator-based training for offshore- & ship crane operators. Given sufficient interest from the users this course will be up running early 2006.



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# BACKGROUND

The Norwegian Training Center-Manila (NTC-M) was established by the [Norwegian Shipowners' Association \(NSA\)](#) in order to provide relevant upgrading training for Filipino seafarers serving on the ships of its members. NTC-M came into operation in February 1990 and was shortly after made part of Norwegian Maritime Foundation of the Philippines, Inc. (NMFPI), chartered in May 1990. Improving the human factor in ship operation was a key objective and the establishment of NTC-M constituted an important element of this challenge.



Seafarers of all nationalities, also from non-Norwegian principals are welcome to attend any of the courses provided the space is available and their course fees are paid for by their local agents or their sponsoring companies.

## NTC-M / SMS Simulator cont.....

**LNG Cargo Handling.** SMS has purchased an LNG cargo-handling simulator, which initially will be operational in Trondheim and in Manila, alternately. Hopefully, it will be available at both locations on a permanent basis within a short while. Basic operational procedures on both spherical- and membrane tank will be trained, but also "crisis-management type scenarios" are under development. Through combining ship-simulator calls on LNG terminals world wide and cargo-handling incidents on the LNG-simulator we believe that we can produce training scenarios that will give excellent training value. SMS are also exploring the need for simulation based training for engineers covering steam turbine operation, and may expand the simulator with this option.

**New full mission SMS bridge simulator.** Given sufficient interest and positive feedback from the users, NTC-M and SMS will cooperate to install a second full mission SMS bridge simulator. (The building meant to house this facility is already completed). This will allow for high end training such as integrated DP-operations, providing training for all types of DP-units and offering a possibility to reduce mandatory sea- service time that is required in order to obtain a full DP certificate. The introduction of a second simulator also provides a good tool for joint training, running the simulators in the same scenario.

## Incident Investigation & Maritime Risk Management

Together with DNV, NTC-M is running a 3 days Incident Investigation and Maritime Risk Management Course. **Module 1** is focused on techniques used during Incident Investigation, how to initiate and investigation and gather evidence and how to identify causes for undesirable events and to avoid future incidents by developing appropriate recommendations to address root causes. **Module 2** emphasize on what and why risk management, with a systematic approach to identify critical and significant risks. This module also do cost benefit assessment for risk reduction and give the persons know how to minimize risks by implementing cost effective risk reducing measures.

## Marine Refrigerant Recovery Course

New MARPOL legislation that came into effect in May 19, 2005 makes it an offence to deliberately release ozone-depleting substances into the atmosphere. The law is contained in Annex VI of MARPOL 73/78. **The Objective:** By the end of the course the trainee will be able to perform recovery of ozone depleting substance (ODS) from onboard refrigeration systems in accordance with current legislations and to protect the environment. **The Course Content:** Theories in Basic Refrigeration Technology and Refrigeration Components and Refrigerants, Theories and Practicum in Refrigerant Recovery Procedures.

**For :** Engine officers and personnel having responsibility for substances from onboard refrigeration systems.

**Duration: 3 days Price : NSA Members: US\$ 198.00 Non NSA Members: US\$ 220.00**