

# ASMI LEADS SINGAPORE'S PARTICIPATION IN OFFSHORE TECHNOLOGY CONFERENCE

Singapore's participation in the 2006 edition of the Offshore Technology Conference (OTC), the largest international offshore oil and gas exhibition, was organised by ASMI at the request of International Enterprise (IE) Singapore. Singapore made its inaugural appearance in OTC in 2005 in a national pavilion led by IE Singapore. The 2006 OTC was held from 1 to 4 May at the Reliant Centre in Houston, Texas in the USA.

The 4-day exhibition this year attracted more participation fuelled by the boom in the offshore oil and gas industry. Some 2,229 companies from more than 30 countries participated in OTC 2006, taking up a total exhibit space of 470,000 sq ft. This was an increase of 246 exhibitors compared to the year before.

Representing Singapore in the 2,000 sq ft pavilion were eight companies from the marine and offshore sector. They were Franklin Offshore International, Keppel Offshore & Marine, Offshore Seals, SembCorp Marine, Semco Salvage & Marine, Singapore Offshore Petroleum Services, Tri-Star Industries and Marshall Cavendish

Information. The companies showcased and promoted their latest offshore services, technology and solutions to the international oil and gas communities. The collective participation as a national group in OTC 2006 was supported by IE Singapore and Singapore Maritime Foundation (SMF). The companies' participation was subsidized by IE Singapore while the SMF supported the setting up of the general reception and hospitality area in the pavilion.

The total visitorship recorded by the OTC organiser was a 24-year all time high of 59,236. This was an increase of some 15% from the previous show's figure. More than 320 technical sessions were also organised during the conference. They included special, general and panel sessions and discussions, addressing the latest technological advances in the offshore industry.

A networking reception was held on the second day of the exhibition for the Singapore exhibitors and their guests. The reception, sponsored by IE Singapore, the Maritime and Port Authority of Singapore and SPRING Singapore, was well received and attended. Among the guests who attended the reception were the delegation of Singapore service and manufacturing companies visiting the OTC. The



The general reception and hospitality area set up by the Singapore Maritime Foundation for companies' networking needs.



ASMI President Mr Michael Chia (right) and Vice President Mr Hoe Eng Hock, at OTC 2006.

delegation was led by SPRING Singapore.

OTC provided a good opportunity for exhibitors and visitors to exchange new technologies, best practices, emerging trends and proven methods affecting the transforming landscape of the offshore oil and gas industry. The next edition of the show, OTC 2007 which is themed "Transforming the Industry," will take place from 30 April to 3 May 2007 at the Reliant Center in Houston, Texas.



Singapore Pavilion at the Offshore Technology Conference 2006 was supported by IE Singapore.



The reception provided a good opportunity for those present at the show.

## SINGAPORE PAVILION @ POSIDONIA 2006

Singapore participated in the 20<sup>th</sup> edition of Posidonia, one of the world's largest shipping industry trade events. The biennial exhibition was held from 5 to 9 June 2006 at the Hellenikon Exhibition Centre in Athens, Greece. ASMI co-organised the Singapore Pavilion together with the Maritime and Port Authority of Singapore (MPA) and Singapore Maritime Foundation (SMF). Singapore's participation in the exhibition was also supported by International Enterprise (IE) Singapore.

The exhibition was officially opened on the evening of 5 June by Greece's Marine Minister, Mr Manolis Kefaloyiannis. The Greek

Minister and the VIP delegation toured the exhibition and visited some of the national pavilions including the Singapore stand. Mr Manolis was invited to cut the ribbon jointly with Mrs Lim Hwee Hua, Minister of State for Finance and Transport, to officially open the Singapore Pavilion.

Participating together in the 216 sqm Singapore Pavilion were 16 companies from various maritime clusters. They range from marine engineering services, ship repair and shipbuilding, rig building to ship management, maritime legal, medical and training services as well as maritime supply and logistics. These companies were ASL Shipyard, Eurasia International (Singapore), Joseph Tan Jude Benny, Keppel Shipyard, Kwong Soon Engineering, MarineCorp, Maritec, Marshall Cavendish Information, Nav Marine, Seacare Maritime Medical, SembCorp Marine, Singapore Technologies Marine, Sinwa, ST Education & Training, Teledata Marine Systems and Tru-Marine.

At the Singapore Pavilion, visitors were served local specialities such as Tiger Beer and biscuits sponsored by Asia Pacific Breweries and Khong Guan Singapore. In addition, bottles of medical oil and beanie toy crabs sponsored by Axe Oil



The Singapore Pavilion was officially opened by Mrs Lim Hwee Hua, Singapore's Minister of State for Finance and Transport, and Greece's Marine Minister, Mr Manolis Kefaloyiannis.

and Singapore Tourism Board respectively were distributed to visitors. A pavilion brochure was also produced to provide information on the organisers and participating companies.

A total of 1,580 companies from 78 countries participated in the exhibition which attracted some 16,225 visitors from 80 countries. 25 national pavilions were represented at the show. According to the organisers, this year's exhibition is the biggest Posidonia event ever held to date in terms of exhibition space and country participation. The exhibition space at 26,500 sqm was larger by 15% compared with the previous show. This was made possible with the relocation of event to the Hellenikon Exhibition Centre, site of the former Athens International Airport. Posidonia was traditionally held at the Piraeus Exhibition Centre in Piraeus.



Some of the delegates from Singapore with Minister of State for Finance and Transport Mrs Lim Hwee Hua at the Singapore stand.



Singapore Pavilion at Posidonia 2006.

## WORKSHOPS ON RISK ASSESSMENT CONDUCTED FOR KEY MARINE TRADES

In an all out effort to instill a safety culture in the shipyards and to assist marine companies to implement risk assessment (RA) at their workplaces, ASMI and the Ministry of Manpower are once again collaborating in partnership to organise a series of risk management workshops for the industry.

Eight key marine trades have been identified by the ASMI Safety Committee for the trade specific RA workshops. These eight trades are scaffolding, tank cleaning, steel work, painting & blasting, electrical, mechanical, piping and transporting. Three workshops were conducted between April and June 2006 for the scaffolding, tank cleaning and steelwork trades.

Each workshop is championed by one of the major shipyards, and led by a Chief Facilitator from the champion yard and supported by senior safety and trade personnel from the eight shipyards as group facilitators. A generic shipyard risk matrix and risk template was developed by the Chief Facilitators for the RA workshop series. MOM officers also assist in the facilitation of the workshops.

The first in the series - **Workshop on Risk Assessment for Marine Scaffold Trade**, kicked off on 12 April 2006 at the Ngee Ann Alumni Clubhouse. Some 103 managers,

safety and operational personnel from the industry attended the full day session. This workshop session was championed by Sembawang Shipyard and led by its Chief HSE Manager, Mr PK Raveendran. The workshop commenced with a presentation by MOM on the salient points in the Workplace Safety and Health (Risk Management) Regulations. Chief Facilitator Mr Ravee then took the audience through the shipyard risk matrix and risk template developed for the scaffold trade.

Following the presentations, the participants who were already organised into groups, began their group discussions to identify scaffold work processes and mapped out the tasks involved in these processes. A facilitator was assigned to each group so as to guide the discussions and clarify any doubts. Using a standard template, each group then went on to discuss and analyse the risks hazards, likelihood and severity of the risks involved in the specific tasks. The groups also had to propose risk control measures for the risks identified.

The discussions were fruitful as participants from various companies and position levels engaged in active consultation with one another. Each group had to share its findings and present its templates to the other groups. Although some 'questioning and grilling' took place as the audience debated with the presenting teams, these were done in good spirits as they helped to provide additional inputs and clarify issues.

The second workshop on tank cleaning was conducted in similar format as the first. Held on 10 May at the SAFRA Mount Faber, the **Risk Assessment Workshop on Tank**

Cleaning in Confined Space was led by Keppel Shipyard (Tuas). Chief Facilitator Mr Mohd Aliffi Ismail, Senior HSE Manager of Keppel Shipyard led the one-day session attended by 100 participants from the shipyards and tank cleaning contractors.

125 participants attended the third workshop for steelwork trade. The **Risk Assessment Workshop for Marine Steelwork Trade** was conducted on 21 June and championed by Keppel Shipyard (Benoi). The shipyard's HSE Manager Mr Chin Sze Kiong was Chief Facilitator at the session held at Ngee Ann Alumni Clubhouse. He reminded the audience that "there is no such thing as no risk." and made clear that the purpose of risk assessment is to avoid high risks, manage medium risks and live with low risks.

The workshops have proven to be informative and rewarding for many participants. Much was shared and learnt through the interactions during the small group discussions and lively group presentations. Armed with the knowledge on conducting RA, the participants would have to put what they had learnt at the seminar into practice. As Mr Poh Leong Kok, Operations Manager of Alpine Engineering Services puts it, "the risk assessment form is just a piece of paper. It is nothing if you don't put it into practice."



Participants were already organised into small groups for more effective discussions.





## SEMINAR ON TOWARDS WORLD CLASS SAFETY AND MORE...

ASMI and the Ministry of Manpower (MOM) co-organised a Seminar on Towards World Class Safety and More... for the marine industry. The seminar, held on 4 May 2006 at the Novotel Clarke Quay, was one of a series of seminars and activities organised in conjunction with the National Workplace Safety and Health (NWSH) Week.

The NWSH Week held from 28 April to 4 May 2006, was organised by the Workplace Safety and Health Advisory Committee together with MOM and its partners, to raise the awareness of workplace safety and health among all CEOs, the human resource community, managers, supervisors, WSH professionals and workers.

Prof Poo Aun Neow, Chairman of the Workplace Safety and Health Shipbuilding and Ship-repairing Advisory Sub-Committee, kicked off the seminar with an opening address. He noted that while the marine industry had done very well over the past ten years, it must "guard vigorously against being lulled into complacency". He reminded the audience that "low accident rate does not mean no accidents and accidents cost great hardships on the families affected and, sometimes, loss of precious lives".

Prof Poo that the industry, working with and through ASMI, has been very proactive and supportive of the various workplace safety and health initiatives and programmes over the years. He commended the industry's top management for their recognition of the positive impact of good safety and health in their workplaces on their bottom line.

Four papers were presented at the seminar. Mr Alvin Yeo, Head of Major Hazards Industry Unit, MOM's OSH Inspectorate Department, gave an overview of the safety performance of the industry in 2005 and reviewed some lessons learnt from accident cases. Mr Tan Geok Leng, Head for Process, Access and Material Handling in MOM's Occupational Specialist Department, highlighted the requirements for personnel, equipment and procedures in occupational underwater operations as stated in the Singapore Standards SS511 on Diving at Work.

Guest speaker, Ms Pelin Davison, a Maritime Consultant with Det Norske Veritas Pte Ltd delivered a presentation on "Implementing Risk Management at the Workplace". She focused on the various

drivers for development and implementation of risk management which including the steps involved, risk matrix and risk control options.

Mr P K Raveendran, a member of the industry's Task Force (TF) on Safe Rigging and Lifting of Scaffold Equipment, presented the TF's recommendations to the audience. The TF was set up by ASMI and MOM to review existing scaffolding practices as scaffold-related accidents were among the common types of accidents in the industry. The half-day seminar was well attended by 165 participants from both shipyards and marine companies.



The Seminar on Towards World Class Safety and More... for the marine industry was held in conjunction with the NWSH Week.

## SEMINAR ON MARINE FABRICATION TECHNOLOGY

The Seminar on Marine Fabrication Technology was held on 20 April 2006 at the Theatre in the Convention Centre of Ngee Ann Polytechnic. Four speakers delivered presentations on advances and applications in marine fabrication

technologies at the seminar jointly organised by the ASMI Productivity Committee and Ngee Ann Polytechnic.

Dr Sun Zheng, Senior Industry Development Manager with SIMTech, kicked-off the seminar with his update on the latest advances in welding technologies and their benefits and applications in the marine, oil and gas industry. Second speaker, Mr Takeshi Maeda, a Technical Advisor in Jurong Shipyard, provided the Japanese perspective of marine fabrication with his comparison on the fabrication processes, inputs and materials used in Japanese and local shipyards. Mr Maeda also advocated the concepts of system productivity through 'kaizen' and accuracy management to improve overall productivity.

After the tea-break, participants settled down for the presentation by Mr Manfred Kollselek, Senior Manager of ESAB Cutting Systems GmbH. Mr Kollselek gave a pictorial presentation on his proposed solutions to increased productivity in thermal cutting. The last speaker was Mr Gao Huixing, a Tribon Consultant with SembCorp Marine Ltd, gave an engaging talk on the elimination of manual marking and cutting work with the use of AutoCAD application for structural part generation and cutting. He gave a 'live' demonstration of the software which can be used in ship repair and shipbuilding work as well as other steel plate making processes.

The half-day seminar was attended by 110 participants from both shipyards and marine companies.



Seminar on Marine Fabrication Technology was organised by the ASMI Productivity Committee and Ngee Ann Polytechnic.