

Successful Completion Of FPSO 'Sea Eagle'

Two business units of SembCorp Industries, SMOE and Sembawang Shipyard, have jointly completed the fabrication and integration of the topside facilities for a Floating, Production, Storage and Offloading (FPSO) vessel for the Shell Petroleum Development Company of Nigeria Ltd.

His excellency, The High Commissioner of The Federal Republic of Nigeria to Singapore, Ambassador Alex Anigbo was Guest of Honour at the sailaway ceremony held in Sembawang Shipyard on 11 July 2002.

The \$50 million contract was awarded to SMOE and Sembawang Shipyard by Halliburton West Africa Limited on September 28, 2000. The project entailed the fabrication, assembly, installation, hook-up and commissioning assistance of the FPSO vessel's topside facilities comprising nine pre-

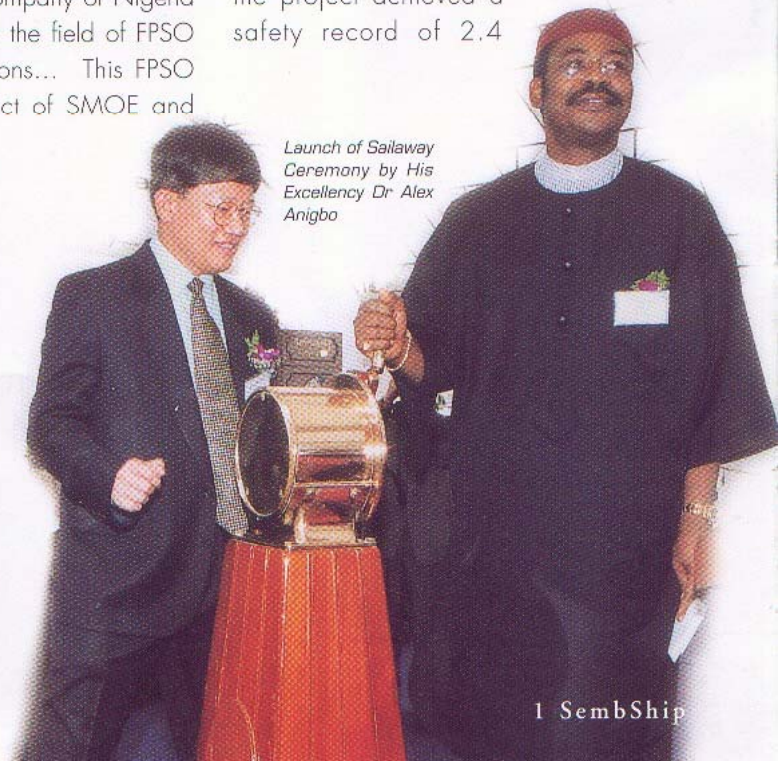
assembled units. In addition, a flare tower and two pipe racks were fabricated and installed with a mooring support structure.

Designed to separate produced oil, water and gas; compress produced gas and treat produced water, the topside facilities can accommodate a total of 170,000 barrels of well fluids and 100 million standard cubic feet of gas per day. The vessel hull has an oil storage capacity of 1.4 million barrels.

Said Mr Heng Chiang Gnee, Chairman of Sembawang Shipyard Pte Ltd, during his opening speech at the sailaway ceremony. "We are indeed very proud to be associated with Halliburton West Africa Limited and Shell Petroleum Development Company of Nigeria Ltd who are forerunners in the field of FPSO development and operations... This FPSO project is the joint project of SMOE and

Sembawang Shipyard who have worked together to produce the topside fabrication and integration for the Nigerian offshore field development. Both companies have successfully combined our expertise, skills and capabilities to complete this highly challenging and prestigious project on schedule and to the stringent offshore safety and quality standards of Halliburton and Shell".

Several noteworthy milestones were achieved for this project. We were awarded this prestigious FPSO project by Halliburton West Africa on September 28th 2000. The first cut of steel commenced on November 28th 2000, which was a week ahead of schedule. In the critical area of Health, Safety and Environment, the project achieved a safety record of 2.4



Launch of Sailaway Ceremony by His Excellency Dr Alex Anigbo

million manhours worked without any Lost Time Accident. From a quality standpoint, we are proud to have achieved an overall weld defect rate of less than 1.4 percent.



FPSO Sea eagle - Side view



FPSO Sea eagle - Upon completion

"We will continue to innovate and to improve upon our knowledge, engineering capabilities, technology and skills to meet the challenges and demanding needs of the offshore industry" added Mr Heng.

Said Mr Mike Lutz, EA Development Manager from Shell Petroleum Development Company of Nigeria Ltd "I am proud to say that the project's performance in the area of Health and Safety has been outstanding... To use a Shell term "a truly best in class performance"... I would like to express my appreciation and gratitude to all participants, SPDC, all the contractors and their subcontractors, who have worked on this project, for upholding the SPDC and Shell Group standards on safety throughout the project"

Mr Steve Spease, EA Project Manager of Halliburton Kellogg Brown and Root also commented "HSE activities at Sembawang in support of our project objectives have been outstanding. Our teams have brought into a joint commitment into a proactive safety plan, with top down focus from senior management to the coal face workers. This focus has resulted in the completion of over 2.3 million manhours without a ITL. A record that we can all be proud of"

The FPSO 'Sea Eagle' vessel is a key component of the EA Development Project operated by the Shell Petroleum Development Company of Nigeria Ltd. It will be located offshore Nigeria and is scheduled to start production in December 2002. 📍