

**TITLE: LESSON LEARNT FROM TRANSPORTATION AND LIFTING OPERATION
OF NAUTICA MUAR HEAVY STRUCTURE**

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ABSTRACT

Transportation and lifting operation are essential elements of an offshore installation project. Prior to any transportation and lifting operations, studies are required to ensure safety of personnel and equipment throughout the operations. In many cases, mistakes during both operation could result in huge asset loses and potential fatalities. In addition, failure during transportation and lifting operations will also often lead to time and cost impacts.

This presentation focuses on the lessons learnt during the execution of the transportation and lifting operation operations at KMSE. The most critical lesson learned from KMSE transportation and lifting campaign was the transportation of EWT Module and the lifting of the flare tower. Both operations involved handling of heavy modules which is known to be potentially risky. Hence, this presentation will highlight the processes involved during the engineering stage and the load out/lifting operation.

The problems and challenges faced during the engineering and operation will be discussed. Next, actions taken to solve the problems and to prevent from similar problems happening in future operations, as well as the potential optimization in terms of time and cost of the operations will be presented.