

HESS (North Malay Basin)

Asset Integrity Engineering



Client: Wood
Operator: Hess E&P
Project: North Malay Basin
Location: Offshore Terengganu, Peninsular Malaysia
Scope : Integrity Critical Elements Performance Standards and CMMS Data Review and Development Review

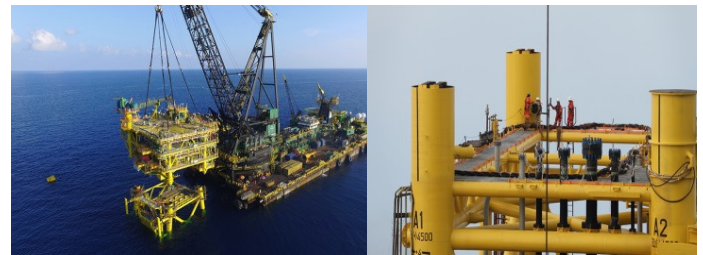
Hess E&P Malaysia

North Malay Basin Gas development Project at a glance:

• 9 discovered natural gas fields (1.5 trillion cubic feet of natural gas and more than 20 million barrels of condensate)

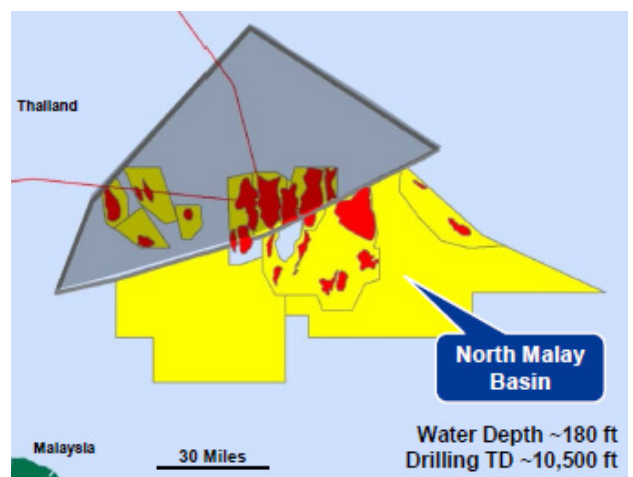
• Block PM302 is located 300 km offshore the Terengganu Gas Terminal in the Gulf of Thailand.

• First production of natural gas in July 2017.



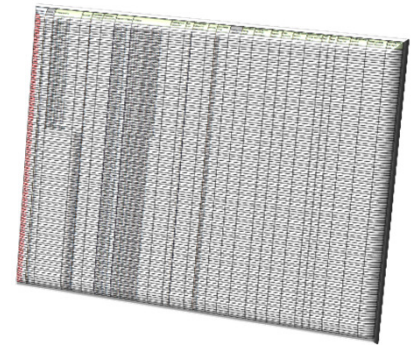
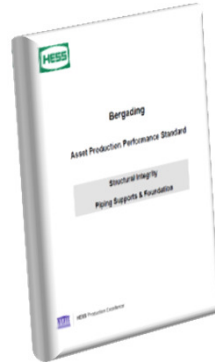
Assets under Aramis Scope of Work :

- 4 Remote Wellhead Platforms (RWHP) consisted of WHA, WHC, WHD and Bunga Kesumba Wellhead Platform
- 1 Central Processing Platform (CPP), consisted of LQ and Processing Facilities, and connected via Bridge to WHA
- 1 FSO FSO Mekar Bergarding to store the stabilized condensate



Objectives:

- To perform improvement and development of **Integrity Critical Elements Performance Standards** and **Computerised Maintenance Management System Data** as a basis for **Optimisation of Maintenance Execution for Assets** operated by the COMPANY.



ARAMIS Scope of Work:

- Perform a **detailed review** on COMPANY's existing **Performance Standards** including:
 - Standardisation and Customisation to **ensure uniformity of Performance Standard Template** to be used on respective ICE category.
 - **Technical review and rectification** (as required) for Performance Standard based on available engineering document and guideline (ICE guideline and Maintenance Strategy).
 - Review, development, optimization and harmonization of all **Specific Maintenance Job Plans** and **Performance Assurance Tasks** as per provided **CMMS Templates**.
 - Review, development, optimization and harmonization of **ICE Measuring Points at Tag level in CMMS**.
- **Review of existing Performance Standards** will be performed on ICE categories
- **Development of New Performance Standards**
 - **Technical review** of available Engineering Documents and Guidelines (ICE guideline and Maintenance Strategy).
 - **Development of all Specific Maintenance Job Plans** and Performance Assurance Tasks as per provided CMMS Templates.
 - **Development of ICE Measuring Points** at Tag level in CMMS.