

Premier Oil Performance Standards

K2 Technology was awarded the contract as part of a combined tender with Lloyds Register to develop and implement a complete suite of Performance Standards for Premier Oil's Natuna Sea Anoa assets.

The Natuna Sea Anoa assets have been in situ for some time and consist of two production platforms and an FPSO.

K2 was approached to submit a tender in combination with Lloyds Register for the identification and development of Performance Standards (Lloyds Register Scope of Work) and then the implementation of these Performance Standards (K2 Scope of Work) into the Premier Oil CMMS and Performance Standard management tool.

After contract award the following activities were carried out:

Review

- Review of the Major Accident Events (MAE's) for each facility in order to identify the Safety Critical systems.
- Review of the equipment within each Safety Critical system in order to identify the Safety Critical Equipment (SCE) within each system.
- Development of appropriate and measurable Performance Standards which covered all SCE's on all facilities
- Development of an ongoing verification process

Implementation

- Identification and updating of all assets in the CMMS to confirm SCE's
- Identify the Pass/Fail criteria for each SCE based on the Performance Standard requirements
- Produce Preventive Maintenance routines to capture the requirement for each Performance Standard
- Develop Maintenance Procedures to reflect each Performance Standard
- Load all routines and procedures into the CMMS
- Load all Performance Standards into the Performance Standard management tool
- Load all Pass/Fail criteria into the Performance Standard management tool
- Test and prove the CMMS and the Performance Standard management tool to provide accurate reporting of Performance Standard compliance

As part of the above process K2 was responsible for coordinating with Lloyds Register and Premier Oil to ensure that all elements of the contract were successfully completed. This was made more challenging by the location of the three companies with Lloyds Register and Premier Oil being based in Jakarta, Indonesia and K2 working from our Perth offices with trips to Jakarta to carry out loading of data. However despite the challenges the project was delivered on time and on budget.