

An offshore oil and gas platform is shown at sunset. The platform's complex structure of yellow and grey metal beams and pipes is silhouetted against the bright orange and yellow glow of the setting sun. The sky transitions from a deep orange near the horizon to a pale blue at the top. In the distance, another platform is visible, with a large, bright yellow flame rising from its top. The calm sea reflects the colors of the sunset.

# **MRO Master Data Analysis**

## **Case study:**

### **Oil & Gas Operator**

# Case study: Oil & Gas Operator

## MRO Master Data Analysis

**An oil & gas operator in Asia faced the following issue with their MRO Master Data:**

- Poor descriptions and mix of vendor and manufacturer's part numbers.
- Excess inventory stocking.
- Time lost locating the right spare.

**A team of engineers was assigned to support our consultant:**

- Check for missing attributes in warehouse/engineering stores
- Review the modified/created data
- Review and agree new procedure

**Our consultant was engaged to perform MRO Master Data analysis through the provision of the following services:**

- Audit findings **(Phase 1)**
- Cleansing & rationalisation **(Phase 2)**



# Case study: Oil & Gas Operator (Phase 1 & 2)

**An audit was carried out to identify the core issues of the MRO Master Data. The result from the findings are: (Phase 1)**

- Too many duplicates.
- Inconsistent part descriptions.
- Excess stocking levels (high service levels) .
- Poor cross-checking procedure for new items against existing inventory.
- Scope for standardisation and rationalization.



**Based on the audit finding, our consultant was engaged to perform the task of cleansing & rationalisation through the provision of the following services: (Phase 2)**

- Cleanse part descriptions.
- Identify duplicates.
- Create spare part set up procedure including how to cross check items against existing database.

# Case study: Oil & Gas Operator

## MRO Master Data Analysis

### The company were able to achieve:

- Up to 50 -70% reduction in line items for certain groups.
- Approximately 15% duplicates proposed to be removed.
- 90% of part descriptions cleansed.
- P/Ns classified as either Vendor or Manufacturers.

Upon completion of the task, our consultant also put in place a **“New Spares-part set up procedure”** designed specifically for the company.

### ANALYSIS TOOLS USED THROUGHOUT THIS SUPPORT SERVICES:

- **MRO Master Data Auditor™**
- **MRO Master Data Cleanser™**

**No of Line Items 22,000**

### Project Duration:

- **Phase 1 was 3 days**
- **Phase 2 was 275 days**

