

## Introduction

**Client:** Tatweer Petroleum

**Industry:** Oil and Gas

**Location:** Bahrain

**About the Client:** Tatweer Petroleum assumed responsibility for the stewardship and redevelopment of the Bahrain Field.

The principal goal of Tatweer Petroleum was to meet the future energy demands of the Kingdom of Bahrain by picking up the pace of oil production while increasing the availability gas. Tatweer Petroleum was using revolutionary technologies to develop the Bahrain Field to maximize the return on investment for the stakeholders and be a direct and important contributor to the growth of Bahrain's economy.

## The Challenge

Jebel Store is the main warehouse location of Tatweer Petroleum where all project materials used for carrying out drilling activities are stored. It also works out as their maintenance, repair and operation (MRO) site. The challenge for Hofincons was scoped as below:

1. In-depth Stock verification and reconciliation, updating the PMS with its book value.
2. Identifying usable items and transferring them to applicable stock accounts.
3. Identifying item duplicity within and across Tatweer stores.

## Approach

In order to achieve set goals, the technical team at the on-site location effectively carried out the below:

In-depth physical inventory checks of stocked and direct charge materials at Jebel Store and its associated area against stock check sheets through Enterprise, Maintenance, Planning and Control (EMPAC) ecosystem provided by Tatweer.

Developed and established item descriptions nomenclatures in Noun Qualifier format as per EMPAC search facility for 97 group items.

Determined appropriate stocking levels in accordance with existing algorithm in EMPAC and prevailing policies at Tatweer to enable optimization of inventory levels and capital flows.

Successfully identified duplicate items within the Tatweer item master based on the material specifications.

Utilized technical know-how and functional expertise to implement minimum and maximum stock levels.

Reviewed PMS items and physically checked for condition and identification.

Took a stock count of PMS materials.

### Store Reconciliation

Identified OEM items and allocated appropriate OEM part numbers, materials, size and description.

Cross issue of materials and stock adjustments.

Mix of stock items are segregated and updated.

Items with date expiry and damaged items are removed from stock.

Items which are placed in wrong bins are allocated to the proper locations.

## Impact And Advantage

- The highly-qualified technical team of Hofincons has effectively performed the physical verification and reconciliation update to book quantity. The team worked diligently to decide on spares that could be reused to enable cost saving and also weeded out non-usable items post through technical evaluation to enable space utilization plus freeing capital locked in non-moving or non-usable stock.

- Inventory rationalization

Cost savings on inventory value



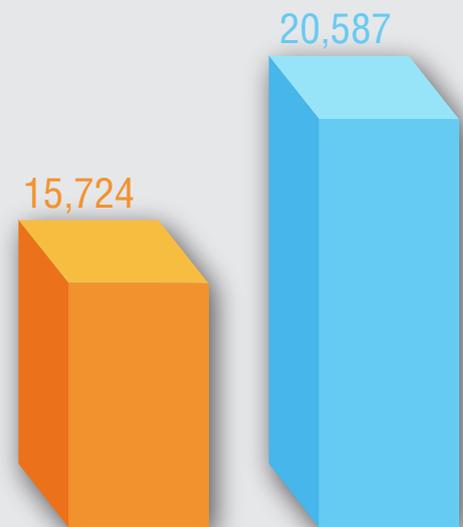
Freed-up locked inventory



- To ensure traceability and digitization all items were marked appropriately with stock and item number. Damaged items were identified and coded separately for appropriate write-offs.

- The minimum and maximum levels for stock consumption are fixed which reduces the stocking cost.

- Number of items for verification in Jebel store



■ Before Project  
■ After Project

## The Hofincons Advantage

As one of the pioneers in the field of integrated asset management services since 1978, our relentless endeavor has been to bring a dependable yet dynamic approach to the table.

We ensure that our strengths translate to advantages for our clients:

- Better and safe practices of operation and maintenance.
- Optimum utilization of assets to achieve planned production.
- Reduction in losses due to breakdowns.
- Higher equipment reliability.
- Enhanced productivity of plant and equipment.
- Overall reduction in maintenance costs.



## Hofincons

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