

CASE STUDY 001

V 001

10.19

CASE:

**Best practice
Implementation**

CLIENT:

Floatel

PSW
GROUP

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Client Challenge

The case study reported in this paper has been conducted at multiple Floatel vessels globally (global implementation for organisation), managed from UK and Sweden. The management of the company, through several surveys, observed that:

- Asset catalogue was inaccurate and insufficiently populated to enable them to manage their assets.
- Consequence classification was not toward the required standards or fully implemented.
- Tagging on board the vessels was inaccurate/missing
- These issues created some regulatory non conformances

Solution

The objective of this program was to allow the:

- Improvement of asset registration within the Computerised Maintenance Management System (CMMS)
- Consequence classification to enable prioritisation of resources and
- Tagging of equipment on board to reflect asset lists.

Establishing and implementing these fundamental elements will enable Floatel to establish best practice asset management and improve equipment reliability and repeatability of processes (variation reduction). A full hierarchy evaluation/development/mapping carried out across the fleet. Full consequence classification to be carried out. Fully tag each rig to best practice standards.

This will establish:

- A standard format hierarchy for each system fleet wide
- Standardised structure towards SFI and ISO 14224
- A standardised consequence for each system
- Standardised main functions and sub functions for each system
- Regulatory compliance
- Foundation for best practice asset management

Project Realisation

PSW Integrity carried out a full consequence classification, ranking all equipment against Floatels corporate policies and risk matrix, identifying 172 main functions and associated sub functions. The results of this enables prioritisation of further reliability initiatives, e.g. implementation programme for RCM studies and will enable spares optimisation and PM optimisation.

PSW Integrity developed best practice asset catalogue and hierarchy templates for all systems on board the vessels (fuel, firewater, cooling, propulsion, etc), based on P&IDs and experience. The detail within the asset catalogue increased to over 30,000 items and tag IDs and codes were given to all items within the catalogue.

PSW Integrity fully tagged all of the vessels equipment using the asset list created. Affixed new ID plates on 18,000 items and reviewed systems to ensure the P&IDs reflect the 'as built' condition.

Project Impact

The overall programme was designed to leave a legacy of self-sustaining improvements. The benefits realised by Floatel are:

- Reduced inventory
- Optimised management of equipment
- Regulatory compliance
Increased safety
- Reliability improved significantly