

Structural Inspection & Maintenance (Offshore)

PAFA Consulting Engineers have undertaken a number of activities relating to structural inspection and maintenance (I&M) offshore:

- ⇒ preparation, drafting, peer review and editing of Structural Inspection & Management Systems (SIMS) section in ISO standard for floating offshore structures;
- ⇒ drawing up a basis for an oil major to manage and control all structural I&M activities for several floating production systems in the Gulf of Mexico;
- ⇒ preparing a consolidated document detailing the management and step-by-step implementation of topsides structural I&M activities for multiple production assets across several National jurisdictions around the North Sea.

Effective management and control of inspection activities are essential for

ensuring asset integrity; for prevention of occupational injuries and pollution incidents; for getting staff cooperation in contributing to a safe working environment and for keeping control of costs that might otherwise spiral out of control as a facility begins to age.

Most I & M procedures can be subdivided into a spiral of interacting phases:

- I. Preparation
- II. Planning
- III. Inspection
- IV. Maintenance
- V. Review

Each phase can be expanded as a flow chart of activities similar to that illustrated below. When formatted in a modern electronic package, backup information, acceptance criteria and photographic illustrations of accept/reject decisions can be made available within one or two clicks of a mouse.

Summary

- Assembly of tabular information for ISO standard on I&M for floaters
- Drafting, peer review, editing and issue of ISO standard
- Preparation of company procedures for floating structure I&M
- Consolidation of procedures, anomaly criteria and representative photographic evidence to support management and control of I&M for topsides of fixed and floating structures.

Clients include

- ISO
- Oil and Gas Producers (OGP)
- BP
- Shell

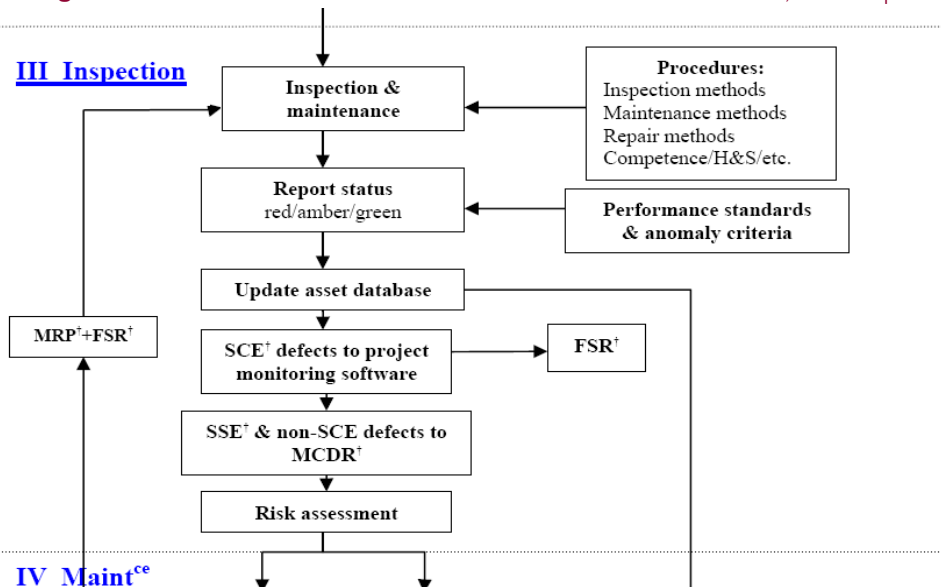
For more information, please contact:

Sandy Fyfe
ajfyfe@pafa.co.uk

PAFA Consulting Engineers
 Hofer House
 185 Uxbridge Road
 Hampton, TW12 1BN
 United Kingdom
 Tel: +44 (0)20 8979 9544
 Fax: +44 (0)20 8979 4887

Fragment of I & M flow-chart

To see list of abbreviations, click here †



Visual standard for coating degradation

