



## Facility Maintenance Management Assessments

AVHENG personnel have extensive experience reviewing facility maintenance management programs on a client's behalf. AVHENG has a standardized methodology for performing comprehensive assessments, that is similar to the ISO 55000 Asset Management process, to ensure all facets of a program are included in a review. Our teams have provided this service for:

- Power Generation
- Heavy Oil operations
- Upstream, Midstream and Downstream Oil & Gas facilities
- Offshore, Terminal and Petro-Chemical facilities.

Assessments are provided:

- As a stand-alone service for Mergers and Acquisitions
- As part of a Pressure Equipment Integrity Management (PEIM) service such as a prelude to an RBI implementation for example, with technical teams tailored to the client's scope requirements.

The assessment process can be used to review:

- Operational Assurance Strategy (FEED, Design, Construction, Commissioning)
- Current operations in line with ISO 55000 Strategic Asset Management Plans (SAMP) principles

Asset Management Reviews (AMRs) are performed as a structured review of a management system with a view to benchmarking against current industry standards and best practice, identification of perceived deficiencies, and establishment of improvement plans.

The process is carried out through a combination of questionnaires, staff interviews, and reviews of existing documentation, including policies, procedures, and maintenance history such as monitoring, repair histories and inspection data, for example.

Why do companies insist on Asset Management Reviews?

- To confirm the key drivers for improvements in asset management, e.g.:
  - Business requirements
  - Health, Safety and Environmental commitments
- To identify and highlight areas of best practice
- To identify potential shortfalls in existing asset management systems, e.g.:
  - Policies, procedures, and guidelines
  - Organisational issues
  - Record keeping, activity scheduling, etc.



- To provide recommendations for improvements to the asset management strategy
- To identify key performance indicators which could be used to measure the effectiveness of the asset management strategy
- To review the applicability of supporting methodologies (e.g., RCM, RBI, RAM, IOWs) to increase the effectiveness of asset management

An assessment's benefits may include:

- Optimized facility financial performance
- Informed decision-making
- Risk management
- Optimized production
- Confirmation of regulatory and procedural compliance
- Improved efficiency leading to increased production, reduced downtime, and fewer emissions
- More precise asset value verification as part of acquisition activities
- Improved management strategies and methodologies post-acquisition