



ASSET MAINTENANCE STRATEGIES AND PLANS

Optimised maintenance through balancing performance, safety and cost.

Asset performance and failures can be directly influenced by asset maintenance strategies and plans. Undocumented or poor strategies and plans can have severe financial and safety consequences. These often result from:

- Maintenance intervals being too long or too short;
- The correct maintenance tasks not being performed; or
- Memory lapses and experienced technicians retiring, leaving new technicians without guidance.

The organisation's legal compliance can also be jeopardised if statutory inspections and tests are not being performed, which could result in individuals and the organisation being penalised.

Bureau Veritas' qualified local teams are experts at inspecting a broad spectrum of supplies: materials and components, pressure equipment, mechanical equipment and machinery, and electrical equipment. We use our in-depth experience to develop asset maintenance strategies and plans for our customers that specify the activities, resources and timescale required to achieve the asset maintenance objectives. The asset maintenance strategies and plans apply the following principles:

- Reliability centred maintenance (RCM);
- Risk-based inspections (RBI);
- Original equipment manufacturer (OEM) recommendations; and
- Relevant plant procedures.

The most applicable asset maintenance strategy is applied, depending on the criticality of the asset. These include:

- Predictive maintenance;
- Preventive maintenance;
- Failure finding;
- Re-design; and
- Run-to-failure.



We also optimise existing maintenance strategies and plans by evaluating the effectiveness of the strategies and plans, amending them accordingly to ensure optimised performance, safety and cost.

Key benefits

- Reduced maintenance costs due to optimised service intervals.
- Reduced unplanned down time and emergency work.
- Transparent, standardised and documented maintenance strategies and plans.
- Regulatory compliance.
- Improved spare parts management.
- Improved planning and scheduling of maintenance activities.

Related services

- Process safety critical equipment (PSCE)
- Reliability studies