

“Where will our knowledge take you?”

Performance Improvement Programs

A performance improvement program (PIP) is focussed on improving asset performance in the most timely cost-effective way.

The potential benefits of a PIP include, but are not limited to:

- A reduction in failures
- Improvement in unit availability
- Reduction in through-life management costs
- Maintenance staff numbers, skills, capacity and facilities
- Spares supply and stock holding
- Operational practices and interfaces

BMT Fleet Technology (BMT) has carried out this type of program on a number of asset types and has, on every application, improved the asset performance considerably, with an increase of up 300% for specific systems and 100% overall.

BMT's PIP is based on a holistic approach to performance issues that involves:

- Data collection and analysis
- System configuration and configuration control
- Maintenance regime and practices

The first phase is a baselining of performance so true performance is understood and poor performing areas are identified. Root cause analysis is then employed to identify the true root cause of the failure.

To address root cause of failure, performance improvement measures are developed, which may address aspects of maintenance, operation, spares and/or modifications. Cost benefit analysis ensures effort is focussed in the areas achieving optimum benefit in the shortest timescale.

The BMT PIP takes into account issues such as approvals, program development and management, in order to achieve the maximum benefit.

Performance monitoring following implementation maximizes potential benefit. Using trending techniques, BMT can help ensure that all of the changes in performance are monitored and responded to appropriately.

BMT has been active in rail, aviation, marine, renewable energy, water and energy supply projects for over 40 years. If you need to improve the performance of your assets quickly, BMT is able to provide you with a robust solution.

For more information, please contact BMT at the email address below.



Via Rail Maintenance Review

BMT conducted a review of the existing maintenance strategy for each of the rolling stock types at Via Rail by analyzing the current schedules for existing systems, reviewing the available data and schedules for the new systems and features that are implemented during a rebuild or overhaul. It delivered recommended changes to the maintenance strategy, implementation and approach as a result of the comprehensive performance analysis.



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