

Mighty River Power chooses RCM II to redefine maintenance of Hydro and Geothermal Assets

OUTCOMES

- *Introductory 3 day RCM II course run for management and staff*
- *Five RCM II Facilitators trained on 10 day RCM II Facilitator course*
- *RCM Toolkit software installed on the Mighty River Power network providing staff with on-line access to RCM knowledge base*
- *Zero-based case study completed on Aratiatia power station screen cleaners*
- *Analysis and implementation programme under way*
- *Further training planned to support implementation*

"Our implementation of RCM II is an important step in our transition from a predominant cost focus to a focus on maintenance being an 'investment' to maintain and enhance our future production capability."

Lyall Duffus: Strategic Asset Manager, Mighty River Power



Mighty River Power (MRP) operates a series of hydroelectric and geothermal power stations in the North Island of New Zealand, generating a large percentage of the community's power needs. Operations are conducted in an environmentally sensitive area, with high levels of tourism in the Lake Taupo and Rotorua areas.

Mighty River Power is now competing for opportunities to supply into the electricity marketplace newly create. In the market, corporate performance is now more than ever linked to the ability to avoid forced outages which inhibit supply at periods of high demand. In order to maximize the Company's potential, both maintenance efficiency and effectiveness are being targeted in order to ensure that these are of the highest standard. In particular, the application of Reliability-centred Maintenance (RCM) was chosen as the central pillar of maintenance effectiveness improvement.

The Asset Partnership, a member of the Aladon network, was chosen as the organization to provide MRP with a set of 'Reliability-centred Maintenance Tools'. This included a Criticality Toolkit to prioritise maintenance hotspots, and the RCM Toolkit software which would record the technical decisions taken by RCM analysis teams during the application of RCM to MRP's asset groups. The Asset Partnership was contracted to provide background training for analysis team members, managers and engineers and also Facilitator training to Production Technicians from a number of the hydro- and geothermal power stations.

Following successful application of the RCM process to assets at Aratiatia power station, the Facilitation team has developed an implementation plan to extend analysis to critical assets over the coming 18 months. RCM will be integrated into the asset management process within MRP, ensuring that the programme is continuously monitored in the light of operational experience.



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THE ASSET PARTNERSHIP is licensed by **ALADON** to offer a range of training courses, implementation support and software in Reliability-centred Maintenance throughout Australasia, including:

- 3 day introductory RCM courses for analysis team members
- 10 day RCM Facilitator training programmes
- Senior Management RCM overview programmes
- RCM Toolkit Database Software for Facilitators

RCM II is fully compliant with the new SAE RCM standard, JA 1011 and accompanying Guide, JA 1012

Course dates and registration facilities are available at www.assetpartnership.com.

