

Case Study : International Power - Loy Yang B Power Station - Condition Monitoring & HV Testing

Loy Yang B Power Station is Victoria's youngest base load coal fired power station producing 1026 MW of electricity, 17 per cent of Victoria's power needs. The station is jointly owned by a consortium of International Power plc (70 percent) and Mitsui & Co. Ltd (30 per cent).

Select Technical Solutions personnel have been providing Condition Monitoring and HV testing services for the station since it's commissioning in 1993.

Activities undertaken by Select Technical Solutions for International Power include:

- HV Testing and Condition Monitoring of High Voltage Motors
- HV Testing and Condition Monitoring of Transformers (Generator, Unit and Instrument Transformers)
- HV Testing and Condition Monitoring of the 500 MW Generators
- Overall Condition Assessment Tests
- End of Life Assessment
- Report of findings

Additional value added services include working with International Power to provide online condition monitoring services for transformers and generators, specialising in Partial Discharge Measurements.

Most of the work undertaken for International Power is conducted during plant shutdowns, demonstrating the flexibility of the Select Technical Solutions team to work with the client to meet their needs.

Select Technical Solutions Condition Monitoring and HV Testing Services are provided as a NATA Certified Service utilising specialist Engineers, Technical Officers and Technicians.

With over 60 years experience in offering these services and with plant test records dating back, in this instance, to the commissioning period, Select Technical Solutions is able to offer professional advice and services to International Power that are unique in the competitive marketplace.

Select Solutions, a division of SP AusNet, offers customers a number of end-to-end services to help manage their energy, water and environmental requirements. This includes functions such as metering, asset inspection, vegetation management and high end technical services in the utility sector.

Select Solutions has a number of specialist business units including: Utility Solutions, Data & Measurement Solutions, Technical Solutions & Telecommunications Solutions.

For more information about Select Solutions
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Client:
International Power-
Loy Yang B Power
Station

Location:
La Trobe Valley,
Victoria

Term: Ongoing

