

Service, solutions and support

Turbomachinery

Weir Minerals Services has high level skills and experience in turbine installation, relocation, retrofits, upgrades, overhauls, servicing, fault analysis, alignment and component manufacture for the range of steam turbine equipment up to 66MW. Industry experience is extensive and includes power generation, oil and gas, sugar and paper mills, iron and steel. We have direct access to all design and technical expertise for Allen Steam Turbines, which is part of the Weir Group.

Capabilities include:

- turbine overhauls from total project management, to supervision to responsibility for overhaul with provision of supervisory, trades and assistance labour
- turbine blading including removal of blades, blade refurbishment, fitting of erosion shields, lacing wire and fitting of new blades and shrouding, at our workshop or on-site
- on-site machining for rectification and retrofit works working to close tolerances
- machinery alignment, equipment regularly calibrated in accordance with manufacturers' recommendations, with in-house noise and vibration specialists with in-depth experience in analysis, solutions and rectification.
- mobile containerised workshops for on-site activities fitted with all necessary equipment to conduct work
- rotor wheel removal and replacement with jigs, tooling and heating rings produced to specific requirements
- re-engineered components can be manufactured within minimum timeframes. Combined with analysis of latest materials technology, the manufacturing of specific components to complete equipment is one of our key strengths.

As well as Allen Steam Turbines, we have skills and experience with the following manufacturers' brands.

- ABB
- Coppus
- Elliott
- GE
- MAN
- Mitsubishi
- Peter Brotherhood
- Siemens
- Shin Nippon
- Terry
- Worthington



*(Top) Rotors in specialist workshop at Somersby, NSW.
(Centre) Dynamic balancing of rotor at Somersby.
(Bottom) On-site turbine overhaul.*

Meeting the needs of customers worldwide



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Excellent
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