



Vibration Analysis & Laser Alignment Services Ltd.

VALAS Ltd., 280 Hampden Street, Nelson 7010, NEW ZEALAND

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*Engineering Services for Reliability Condition Monitoring Surveys, Plant Commissioning, Investigations,
& Condition Based Predictive Asset Management*

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Market Strategy:

- To provide clients with an independent report analysis of data and information to optimise controllable elements of an assets Life Cycle Costs. Maintenance is a controllable element of machine Life Cycle Costs [Ref. AS3930, BS3811]
- To add value to the client's Condition Based Predictive Asset Management

VALAS Ltd services:

To provide clients with an independent report analysis of data and information that enables development of the clients Condition Based Predictive Asset Management strategy and thus optimise controllable elements of an assets Life Cycle Costs.

To quantify an assets condition, Reliability Condition Monitoring [RCM] surveys are carried out. RCM surveys involve relevant combinations of asset service requirements, risk analysis, fit-for-purpose, inspections, specifications, vibration analysis, in-situ rotor balance, laser alignment of shafts, belt transmission and geometry, oil wear and particle analysis methodologies.

Reports are prepared and presented as a Reliability Condition Monitoring survey [RCM survey]. The outcome is to adequately assess and record machine condition and component description to enable Condition Based Predictive Asset Management work flows.

- ✚ Condition Based Predictive Asset Management planning and schedule development
- ✚ Reliability Condition Monitoring surveys of rotating plant [RCM surveys and investigations]
- ✚ Commissioning of rotating plant to specification
- ✚ Vibration Analysis of Machines and Structures [SKF @PTITUDE software & AX-80, 4-channel analyser]
- ✚ Laser alignment of rotating plant, belt transmission and geometry [Easy Laser hardware & software [Sweden]]
- ✚ Rotor Dynamics and Balancing
- ✚ Tribology programme development, sampling, analysis and evaluation [ALS Global, Wellington]

VALAS services have evolved over some twenty-years of independent reliability condition monitoring to facilitate predictive asset management in the oil & gas on and offshore installations, power plants, gold, coal and other mining sites, fishing boats, industrial refrigeration plant, wine industry, large irrigation sites, shipping, timber etc. (based in Nelson, providing services throughout New Zealand and Australasia).

VALAS Ltd.

VALAS has the industry experience and technical knowledge to add value in the development of client's Condition Based, Predictive Asset Management programme, commissioning of new and refurbished plant to specification, and root cause analysis, investigations.

VALAS is well placed to add value in assisting clients in developing their condition based, predictive asset management programme to meet their business planning outcomes.

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