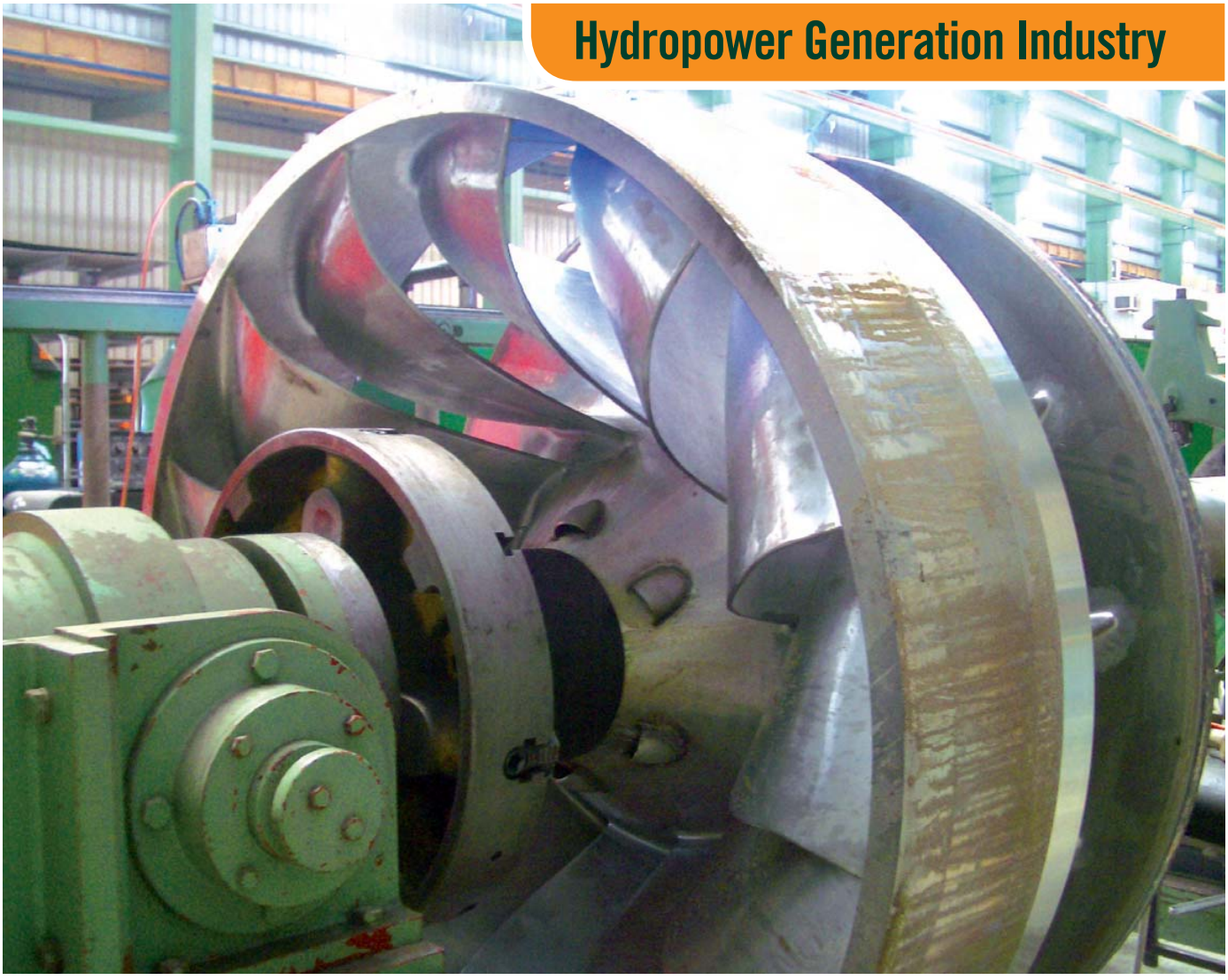
ALLIED INDUSTRIAL ENGINEERING

Quality Engineering Solutions

Hydropower Generation Industry



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Fabricating Bottom Ring

Refurbishment of Guide Vanes (Wicket Gates)

Repair, refurbishment and assembly of Head Covers

Overhaul of Large Francis Runners

Overhaul of large Kaplan Turbines. Refurbishment and manufacture of small Kaplan Turbines

The Hydropower Generation Industry

Allied Industrial Engineering (AIE) is able to deliver a range of superior solutions to the hydropower generation industry. AIE has established a worthy reputation with power generation providers for high quality work carried out on schedule and at a competitive price.

At AIE we demonstrate dedication to ensure the satisfaction of our customers through a complete understanding of their requirements and by ensuring our products and services meet, or exceed, their expectations.

Our experience and capabilities, complemented by a world class workshop facility, mean AIE is a "one stop shop" for all hydropower generation equipment.

Our workshops are located in the heartland region of hydropower generation resources in the North Island. Our close proximity to the Port of Tauranga, New Zealand's largest port, means equipment can be efficiently and safely transported to and from other countries.

Our experienced site services group under the direction of highly competent engineers and project managers can readily be deployed to perform both routine and non-routine maintenance and new installation work. Our areas of specialization include, but are not limited to, the manufacture, repair and refurbishment of:

- Francis Runners, Guide Vanes (Wicket Gates), Regulating Rings and Head covers
- Kaplan Turbines, Hubs, Blades, Wicket Gates, and Head covers
- All mechanical Control Gear
- Pelton Turbines, Buckets, Wheels, Control Gear
- Control Gates
- Heat exchangers and Condensers
- Electrical rotative equipment i.e. Rotors, Retaining Rings and End Bells

We are also able to perform:

- Computerised Dynamic Balancing of rotating plant and equipment up to 30 tonnes, to ISO 1940 class G1 and higher
- Precision and cost effective machining and fabrication of large components up to 62 tonne

We have partners in close proximity that enable us to take care of all electrical repair aspects of the generation equipment i.e. re-wedging, re-winding and insulation. In partnership we are able to perform full repair and rewind of high, medium and low voltage Generators and Motors, and also are able to custom build and design standalone generator plants i.e. Gensets.

Our Quality Management System (QMS) meets the requirements of ISO 9001, and we place a high emphasis on documented systems and procedures. This means we are able to guarantee high quality products and services at all times.

Our maximum total single lift capacity of 62 tonne and 9 gantries ranging from 1 – 25 tonne, allows us to handle large and small items safely and quickly. This combined with large machine tools and open workshop space means we are able to efficiently handle, fabricate and machine or refurbish large components for hydropower generation providers with speed and accuracy to exacting standards.

Our staff's dedication to getting projects completed on time by being able to work long hours at short notice if required, along with our customised planning systems and project management skills mean we are able to guarantee tight lead times for critical projects.

ISO 9001

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