



**LOVITT TECHNOLOGIES AUSTRALIA**

**Lovitt Technologies Australia collaborated with an international manufacturer of domestic power generation units on new product development, encompassing design-for-manufacturability issues and low volume production.**

Lovitt Technologies Australia was approached by the prime Original Equipment Manufacturer (OEM) following the design and prototype production of a new power generation unit. A full review of capabilities earned Lovitt Technologies Australia the contract to manufacture and supply various precision machined components and assemblies.

The supply process involved three-way discussions between Lovitt Technologies Australia, the OEM and casting suppliers to ensure appropriate selection of raw material for the product's specification and end-use.

Whilst "commercial" in nature, the product specification demanded manufacture to extremely fine tolerances.

Lovitt Technologies Australia established the machining techniques, tooling and methods to achieve cost effective supply for the initial low-volume production requirements. This phase required close technical and commercial interface with the customer's design, production, project and quality assurance representatives. Adding to the complexity and challenge of the project, feedback from field trials and further product testing resulted in the need for numerous refinements to the manufacturing process.

After a number of years, Lovitt Technologies Australia continues to supply components / assemblies for models of the power equipment supplied into European and UK domestic (AC power) and leisure (DC power) applications.

### **Demonstrated capabilities**

- partnership in new product development
- design-for-manufacturability
- sourcing of raw casting
- manufacture of components to fine tolerances
- sub-assembly supply

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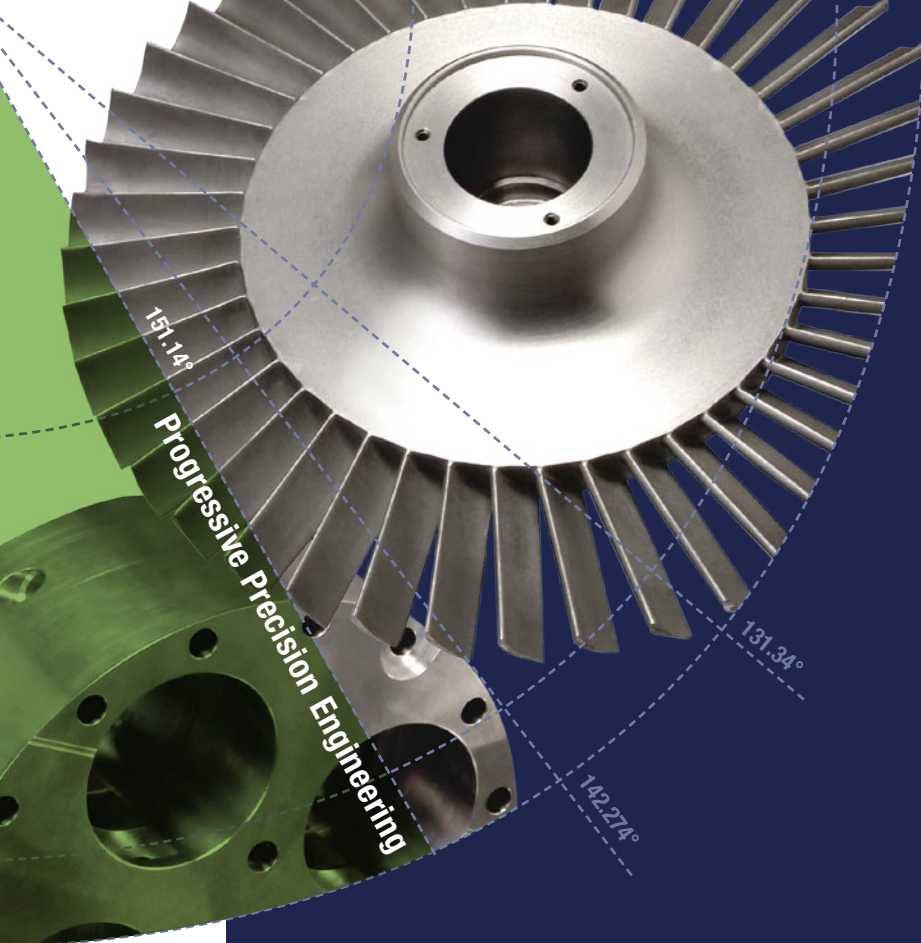
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## Case Study

# Commercial Power Product

Lovitt Technologies Australia works with a number of organisations, assisting in the development and manufacture of precision machined mechanical components and assemblies, from concept through to production. Our involvement includes input into the manufacturability of components to achieve the technical and cost requirements of the end product.



**Quality Endorsed Company**

AEROSPACE  
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