

# Summary of Linkage Infrastructure, Equipment and Facilities Proposals

## Victoria

### Deakin University

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**Approved Project Title** **Near Net Shaped Casting and Alloy Development Facility**

**2007 :** \$ 520,000

**Primary RFCD** 2913 METALLURGY

### Partner Organisations & Collaborating Organisations

Monash University

Swinburne University of Technology

The University of New South Wales

**Administering Organisation** Deakin University

### Project Summary

Nearly all metal production is based around an initial casting phase, often followed by other deformation and thermal processes. This facility will allow us to study current and future advanced alloys and processing routes, including metals of strategic importance to Australia such as aluminium, titanium and magnesium. One of the major innovations for these metals is to directly cast to strip, followed by minimal processing to provide strip products with novel properties, low capital costs and short lead times. The outcomes from this research will support the development of existing and new metal industries in Australia.