

FABRICATION SERVICES

MB Century's Fabrication department can provide a team of highly qualified welders and fabricators who have the experience and knowledge to meet all customer requirements.



FACILITIES

The Fabrication shop facility covers an area of 800m² and is equipped with twin 2 ton gantry cranes servicing the total area of the workshop.

Within the facility is a wide range of Welding machines and equipment to provide manufacturing of pressure equipment and fabrication services to relevant industry codes, including ASME, AWS D1.1 and AS/NZS 1554.1.

CAPABILITY

The MB Century fabrication team have the expertise and experience to undertake a wide range of fabrication projects, with an extensive list of qualified welding procedures ensuring a process is available to be utilised to suit our customer and industry specifications.

The workshop at Wairakei has the in-house ability to complete;

- Plate rolling to 25mm,
- Guillotine,
- Gas fired oven for Stress Relieving and Heat Treatment,
- Profile cutting

A significant amount of the Fabrication department equipment is fully mobile with Lincoln Diesel powered welders dedicated for site works allowing work to be undertaken in remote locations, and the ability to mobilise at short notice.

Proven History

The MB Century Fabrication team have a long history with successful delivery of a wide range of Projects both large and small.

A sample of projects delivered by MB Century's Fabrication workshop include:

- Geothermal pipelines at the Ohaaki, Wairakei, Kawerau, Rotokawa, Ngawha, Nga Awa Purua and Mokai Power Stations

- Specialised repair work on the Auckland Harbour bridge
- Piping and well test equipment for the Lihir Island geothermal project (Papua New Guinea)
- Geothermal Casing Head flange manufacture
- Pressure vessels in all major New Zealand geothermal fields (BS 5500)
- Miraka steam supply plant construction
- Stainless Steel cooling water pipework
- Hydro power Intake gate repairs and replacement
- General Structural works (access platforms, ladders, support beams)

QUALITY

MB Century's Fabrication workshop is certified to ISO 9001 and inhouse QA/QC procedures allow for confidence in the manufacturing process.

SERVICES



Welding work is carried out in accordance with ASME IX, AWS D1.1, and AS/NZS 1554.1.

Pressure vessel construction is carried out to BS5500 or ASME VIII.

Construction of pipework, including geothermal and petrochemical lines, is carried out to the requirements of ASME B31.1 and B31.3.

MB Century is proud of the services that can be provided and the numerous projects that have been successfully delivered to various industries for over 40 years.

