



Careers in manufacturing: marine

Boat building and repairs

Boat builders/repairers construct, fit out, commission and repair all types of vessels from small pleasure craft through to a range of competitive, commercial and naval vessels.

These vessels, which might range from the humble dinghy to a high-tech racing yacht to a high-speed ocean going catamaran, might be constructed from a range of materials, including metal, wood, aluminium, fibreglass, plastic, composites or ferro cement.

Boat builders/repairers may perform the following tasks:

- prepare preliminary sketches of structural parts and sections
- produce templates and patterns from full-size detail drawings
- fit out internal and external components of vessels
- position sections accurately prior to permanent fastening by boilermakers or welders
- prepare slipways and construct cradles used to support ships during construction, transportation, launching and slipping
- supervise launching and slipping procedures
- carry out repairs.

Relevant qualifications:

- Certificate II in Engineering
- Certificate II Engineering – Composites Trade
- Certificate III in Marine Craft Construction
- Certificate IV in Engineering
- Diploma of Engineering (Advanced Trade)
- Advanced Diploma of Engineering.

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