

Manufacturing Support

Situation and objective

- Working alongside the clients engineering and manufacturing teams, Ricardo took the design of a prototype mCHP (micro combined heat and power) generator through to full production

Results and benefits

- From the basic prototype, the Ricardo team converted an existing air cooled stationary engine into a gas powered, water-cooled unit capable of generating 2kW of electricity and 7kW of heat in a unit the size of a domestic washing machine.
- The unit was also quiet enough to operate in a domestic environment.
- The team also designed and established an MCS approved manufacturing facility, capable of producing 10,000 units a year

Services include:

- Lean manufacture
- Continuous improvement
- Factory planning
- Productivity improvement
- Low volume manufacturing support
- From design to manufacture
- Problem resolution

