

Borg Manufacturing modernise plant through energy savings

The Client

Borg Manufacturing is a leading Australian manufacturer of melamine panels, medium density fibre board (MDF), mouldings, doors, shelving and joinery components.

Key Facts

Equipment Upgraded	Main dryer fan
Annual Energy Savings	\$150k
Certificate Value	\$300k
Project Payback Period	12 months
Certificate	Energy Savings Certificate (ESC)

Challenges

- Need for measurement and verification expertise
- Limited understanding of the NSW energy savings certificate process for industrial projects
- Insufficient knowledge on the method of applying for certificates
- Need to develop a business case justifying capital expenditure required to modernising plant

The Work

Borg Manufacturing appointed Northmore Gordon Environmental for an energy optimisation project to provide upfront consulting, measurement and verification, and certificate creation services. The business was planning to upgrade one of its main dryer fans and needed the support of Northmore Gordon Environmental to provide expertise around measurement, verification and certificates. The work done by Northmore Gordon Environmental provided a baseline of data and plan to support the installation of a variable speed drive (VSD) to optimise the fans energy performance.

Outcomes

- Certificates paid for the dryer fan upgrade and instillation of a variable speed drive (VSD)
- Reduction in ongoing energy costs
- Saving of over 15,000 tonnes CO₂e over 10 years

Northmore Gordon is a leader in environmental certificate creation and trading. We have created the most certificates of all Accredited Persons under the Victorian Energy Upgrades program, an Accredited Certificate Provider in the NSW Energy Savings Scheme, and registered agent under the Federal Renewable Energy Target.

We've provided \$100m of financial incentives for energy efficiency and renewable energy projects at over 35,000 commercial, industrial and residential sites. This has saved our clients and partners gigawatt hours of energy, millions of dollars and reduced greenhouse gas emissions by over 5 million tonnes of CO₂e.



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