



# Energy Cost Reduction and Optimisation

*We can help you cut your rapidly-rising energy costs*

The commercial viability of many Australian manufacturing businesses is being impacted by rapidly-escalating costs of natural gas, electricity, coal and other fuels. Urgent action is needed to maintain sustainable margins and profitability.

HRL offers specialist engineering solutions to Australian manufacturers with significant steam, process heating and electricity demands.

Unlike other companies, we won't just tell you to change your light bulbs or provide a report with no practical outcomes. Instead, our expert engineers leverage decades of experience to identify major energy reduction opportunities that you can action today!

**Our customers have saved millions of dollars through our tailored engineering solutions.**

**HRL is a partner you can trust to improve the profitability of your business by reducing energy costs – now. We share your urgency, and are available to work with you immediately.**



## Benefits

Key benefits of engaging the HRL energy efficiency team:

- Identify, quantify and implement energy saving opportunities;
- Reduced energy costs, enhanced energy productivity, improved sustainability;
- Tailored engineering solutions – not just consulting advice;
- Risk is managed. HRL has a trusted track record of working safely on high-value, high-risk operating plant and with quality to deliver the business case on time; and
- Flexible partnership. HRL can adapt to the specific situation, offering full turn-key solutions or partnering with customers to augment in-house engineering teams.

*"Going through the process of the energy audit was great for two main reasons. Firstly, it identified where we have information gaps and what we can start measuring to better understand our energy usage. Secondly, it independently identified and quantified energy savings projects that we had internally known about, but hadn't yet been able to build a business case around. We are keen to act quickly and implement these improvements to lock in benefits."*

**James Perrin, Sustainability Manager at Stone and Wood**

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## Our unique offering

HRL is uniquely qualified to offer expert solutions through a tailorable suite of services, including:

### Identify

- Energy auditing to identify, quantify and prioritise opportunities.

### Measure and Evaluate

- Specialist plant performance testing to measure current and optimised plant performance;
- Process modelling to evaluate identified opportunities;
- Design of equipment improvements;
- Develop capital and operating cost estimates; and
- Evaluate technical and economic feasibility of opportunities.

### Deliver

- Develop business case;
- Assist in securing government funding and rebates; and
- Project management – turn-key implementation or 'owners engineer' support.

### Sustain

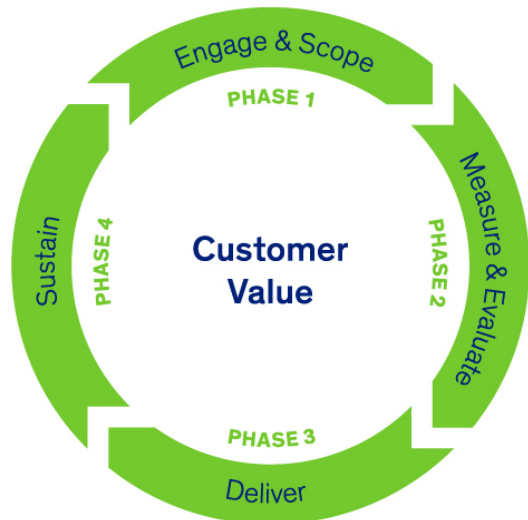
- On-going partnership - increase savings over time;
- Maintain and improve asset reliability and integrity; and
- Assistance with regulatory reporting, approvals and incentives.

## We get results

### Our tailored engineering solutions deliver tangible results.

Recent projects have delivered successful results in the following areas:

- Waste heat recovery, co-generation, equipment modification and optimisation;
- Combustion/boiler optimisation – standalone projects, retainer-based services;
- Fuel switching e.g. biomass, waste, gas, coal briquettes;
- Asset reliability/integrity improvements;
- Voltage optimization and power factor correction implementation;
- Digital on-line plant monitoring systems to enable plant performance optimisation and increase plant efficiency;
- Fuel or waste recovery e.g. briquetting, agglomeration; and
- Securing government incentives and rebates.



## Need to cut your energy costs?

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### Need more information? Go to [hrl.com.au](http://hrl.com.au)

The company's NATA Accredited Laboratories number is 561.

HRL Technology Group's ISO 9001 Quality Management is certified by BSI under certificate FS605116

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