



Reliable On-Site Power for Acu-Tech Piping Systems



Our Australian partner Evo Energy Technologies was engaged by Acu-Tech Piping Systems, a leading Australian manufacturer of HDPE piping solutions, to design, supply, install, and commission a high-efficiency combined heat and power (CHP) system at their Redbank, QLD facility. The project replaces an ageing diesel generator and delivers reliable, on-site power generation independent of grid limitations.

Acu-Tech Piping Systems manufactures high-density polyethylene (HDPE) piping solutions for civil, industrial, and mining applications across Australia. With growing on-site energy requirements and limited supply from the existing electrical grid, Acu-Tech required a dependable, long-term power solution that could support continuous production without relying on diesel backup generation.

Our partner Evo Energy Technologies delivered a fully integrated system featuring 2 x avus 1000plus CHP engines, now fully commissioned and operational at the Redbank facility. These high-efficiency natural gas engines provide continuous on-site generation of electricity and heat, giving Acu-Tech reliable power independent of grid constraints and removing the need for diesel generation entirely.

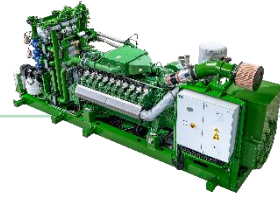
The system delivers:

- Full offset of grid power limitations on site
- Complete displacement of the existing diesel generator
- Improved overall site energy efficiency

- A scalable, modular platform to support future growth

The outcome

The project was completed at a time when diesel fuel costs had risen sharply, reinforcing the long-term value of transitioning to a high-efficiency gas-based CHP solution. By moving away from diesel, Acu-Tech benefits from stronger cost predictability, lower greenhouse gas emissions, and improved operational resilience. Evo Energy Technologies managed the full project scope, from initial engineering and equipment supply through to installation, commissioning, and ongoing maintenance support.



Acu-Tech Piping Systems

2 x avus 1000plus
Natural gas
2 x 1035 kWel
2 x 1052 kWth

