



*Our specialised team
of engineers create
fit- for-purpose energy solutions to
meet your specific requirements*

YOUR PARTNER TO NET ZERO



EVOET.COM.AU
PHONE: 1300 012 471

“Our experienced, on the ground crews adopt a collaborative approach with clients to execute a full turn-key solution safely, every time”

SUSTAINABLE ENERGY SOLUTIONS

Evo Energy Technologies specialise in sustainable energy solutions, offering comprehensive services from design, installation, maintenance, testing, and commissioning.

Our experienced engineering team provides solutions geared to meet a variety of client budgets and outcomes. We provide certified solutions aligned with all relevant national engineering codes and standards. Our engineers are registered, further supporting our comprehensive list of industry qualifications.

Our experience and expertise in design, manufacturing, installation, testing and commissioning extends across a range of operations — primary plant, civil and structural, secondary systems, protection and control, as well as communications and metering.

PRE-FEASIBILITY

FEASIBILITY & FINANCIAL ANALYSIS

We keep energy simple by offering extensive feasibility study services. These services present comprehensive analytical modeling for current energy bills and meter data, overlaying it with a view of the supporting infrastructure that may be required at your site. We produce a financial summary providing you a cohesive and detailed report with options to reduce your energy costs.



Specialising in end-to-end design, installation, maintenance, testing and commissioning

OPTION & SOLUTION DEVELOPMENT

Demonstrating expertise across energy solutions, design and construction:

- Technical solution options
- Energy utilisation
- CAPEX-OPEX optimisation
- Technical compliance assessment

PARTNERS & EQUIPMENT SUPPLY

Our teams work with our trusted partner network of equipment providers globally to support your project. We provide all equipment certified to all relevant Australian Standards.

With access to over 350 engineers worldwide within our supply chain, we are able to support even the most challenging of projects.

WE CAN ASSIST IN:

Grid -Connection
applications

Registration
of Projects for
ACCU's, VEEC's
and ESC's

COGENERATION (CHP)

German engineered and manufactured with power outputs from 20kW to 5MW.
Current fuel use is:

- Natural Gas
- Biogas
- Hydrogen



BIOGAS EQUIPMENT

- Pre-treatment
- Activated Carbon
- Biological Scrubber
- Biogas storage
- Blowers
- Flares
- Oxygen dosing



BIOMETHANE

European engineered and manufactured using the latest technology in:

- Pressure Swing Adsorption
- Membrane Separation



CO₂ RECOVERY

German Engineered and manufactured, economically recover CO₂ and produce industrial or food grade from:

- Boiler exhaust flue gas (NG, LPG, LNG, Biogas)
- CHP exhaust flue gas
- Biomethane upgrading process



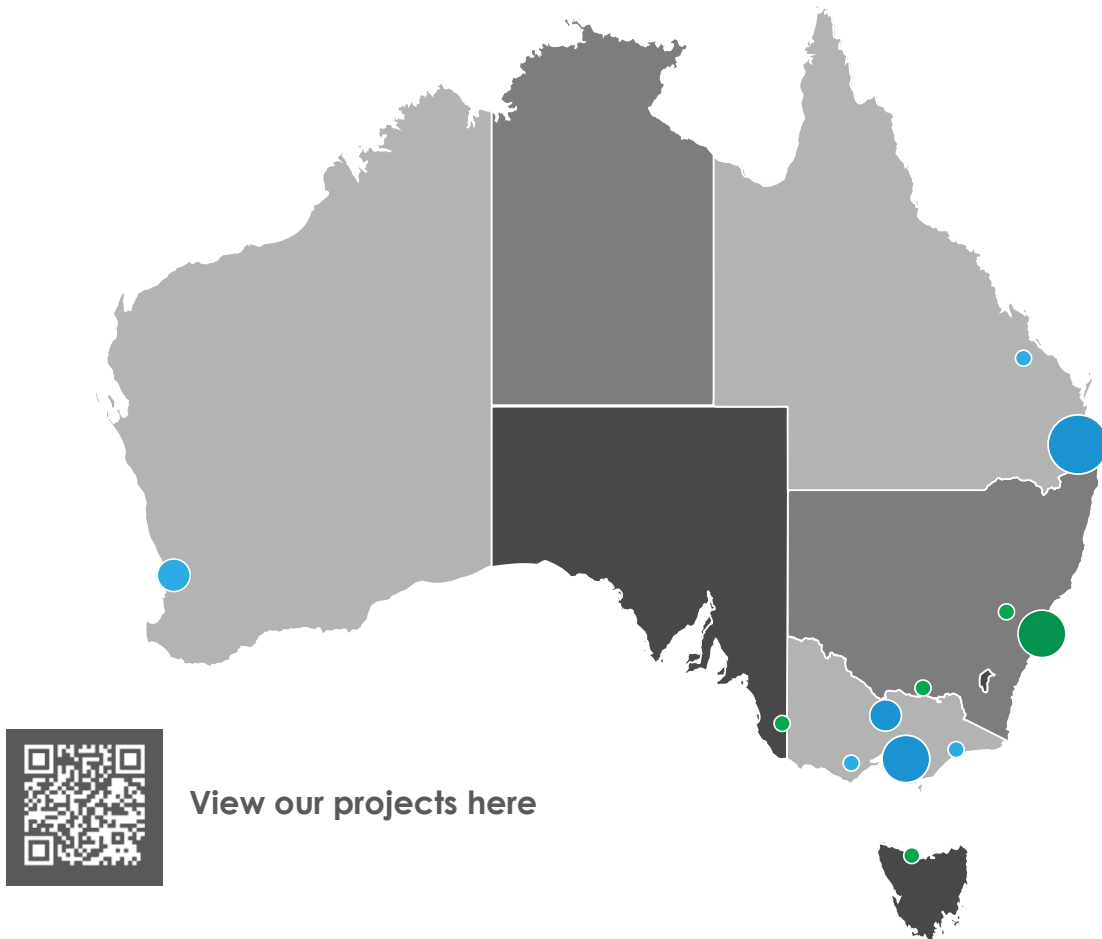
ENGINEERING & PROJECT MANAGEMENT

We understand that every project is unique

Our Engineering Design and Project Management team possess years of specialised, technical, and business experience, allowing us to offer insights that can assist clients in making informed technology investment decisions, ultimately enhancing their business processes and helping them achieve quantifiable business goals.

We cover a range of project management and engineering design services including; defining project scope, planning and organisation, coordinating resources, controlling quality and managing risk.

OUR FOOTPRINT



View our projects here

“At the forefront of technology and precision, our world-class sales and engineering team deliver sustainable solutions that redefine industry standards ”

OPERATIONS & MAINTENANCE

We are a longstanding, established technical services provider, independent from manufacturers and EPC.

We have a diverse range of reliable, national resources and approach preventative and corrective maintenance activities with a bottom-up, defined approach.

Our on-site services are delivered in partnership with an expansive network of engineers, electrical workers and technicians, ensuring that plant performance is optimally designed to safeguard and optimise your assets.



As a company, we hold an open Type B Gas Authorisation that allows us to install, commission and carry out gas work that includes repairing, servicing and testing in relation to gas devices (type B) that have a fuel gas capacity up to 50 GJ/h.

From on-site service work to major overhauls and engine rebuilds, our qualified team will ensure your equipment remains in prime condition.

Servicing Australia wide



OUR MAINTENANCE SERVICES INCLUDE:

- Customised scheduled servicing
- Reactive maintenance
- Preventative maintenance
- 24 hour monitoring
- Emergency call-outs
- Corrective works
- 24/7 - 365 access to operations control center hotline

KILCOY PASTORAL COMPANY



In the Kilcoy Pastoral Company project, Evo Energy Technologies integrated three Combined Heat and Power (CHP) units totaling 4000kW, alongside high-efficiency heat pumps and a biological desulphurisation treatment system, transforming waste into renewable energy. This innovative approach not only propels KGF towards greater energy self-sufficiency but also significantly advanced its commitment to sustainable and environmentally responsible operations.



Client: Kilcoy Pastoral Company

Location: Kilcoy, QLD

Key technologies used:

- 2 x 1.2MW CHP avus 1000b Biogas
- 1 x 1.5MW CHP avus 1500b Biogas
- 3 x Evo Command Heat Pumps
- Biological Desulphurisation Treatment system

The Kilcoy Pastoral Company project centered on the installation of three Combined Heat and Power (CHP) units, totaling 4000kW. Alongside these units, the project featured three Evo Command Heat Pumps and a state-of-the-art biological desulphurisation treatment system, effectively converting waste products into renewable energy.

The TS Biological scrubber, an essential part of the biogas treatment plant, has demonstrated its proven effectiveness in this project. The setup also included low and high-pressure biogas delivery blowers, a gas dehumidification system, and 2000L activated carbon tanks. This system efficiently removes a majority of H₂S from the biogas, purifying it for use in the power station.

Furthermore, the installation of the Jenbacher 4 series engine, along with the EvoHeat Command heat pumps, play a critical role in maintaining optimal temperatures in the biological scrubber and aiding in the gas chilling process. This comprehensive and innovative approach not only aligns with Kilcoy Pastoral Company's commitment to reducing its environmental impact but also sets a new industry benchmark for eco-friendly and energy-efficient technologies.



Kilcoy Global Foods' grain fed beef processing facility, part of the Kilcoy Pastoral Company, has achieved a significant milestone by becoming the first and only large-scale beef plant in Australia, and potentially the world, to receive certified carbon neutral status.

This certification highlights the effectiveness of the implemented technologies in achieving substantial reductions in carbon emissions and sets a precedent for sustainability in the global meat processing industry.



HYLAND HIGHWAY LANDFILL

Evo Energy Technologies proudly collaborated with Latrobe City Council on the Hyland Highway Landfill project, an exemplary initiative in sustainable energy. This project is distinguished by its groundbreaking achievement: generating approximately 7000MWh of clean energy annually from landfill waste, which significantly contributes to reducing environmental impact and advancing clean energy initiatives.



Client: Latrobe City Council

Location: Hyland Highway Landfill, Latrobe VIC

Key technologies used:

- 900kW Avus800b landfill gas generation system
- Biogas generator
- Activated carbon biogas scrubbing system
- Gas dehumidification system

Objectives:

- Reduce the landfill's electricity consumption and associated costs.
- Generate clean, renewable energy from landfill gas.
- Minimise the environmental impact of waste management.
- Set a precedent for sustainable waste-to-energy practices.

Performance:

Annually, the system generates 7,000MWh of clean energy, substantially reducing electricity usage for the council and landfill. It's part of a wider strategy, including a power purchase agreement, significantly offsetting the council's electricity demand.

PIMPAMA SPORTS HUB

Client: City of Gold Coast

Location: Gold Coast, QLD

Commissioned: 2021

Technology installed:

- 360kW Cogeneration engine operating on natural gas in 9.6m x 3.0m x 3.2m Super Silent Container
- 8x EvoHeat CS-GEN2 Commercial Pool Heat Pumps (2x CS200-GEN2, 4x CS145-GEN2, 2x CS120-GEN2)



BOORTMALT, GLOBAL MALTING COMPANY

Client: Boortmalt

Location: Perth, WA

Commissioned: 2023

Technology installed:

- 2 x 1200e EG Containerised CHP engines (2 x 1,500 kW-e)
- Ongoing service & maintenance of both engines



BONEO WATER RECYCLING PLANT

Client: South East Water

Location: Boneo, VIC

Commissioned: 2021

Technology installed:

- 1 x Avus500plus CHP with biogas and natural gas blending system
- 1 x Avus500plus Gas to Power on natural gas
- 2 x H₂S Active Carbon Filters
- 1 x Siloxane Active Carbon Filters
- 1 x High Temp C-Nox Biogas Flare
- 4 x Meidinger Biogas Blowers





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