



**EVO ENERGY**  
TECHNOLOGIES



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

**YOUR PARTNER TO NET ZERO**



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TECHNOLOGIES

**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 end-to-end, design, installation, maintenance, testing and commissioning and sustainable energy solutions.

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 modelling 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 sustainable energy solutions*

### **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



## CO<sub>2</sub> RECOVERY

German Engineered and manufactured, economically recover CO<sub>2</sub> and produce industrial or food grade from:

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



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



**Michael Crook**

**National Pre-Contracts  
Manager**



**Brock Rabba**

**Business Development  
Manager**



**Mohan T**

**National Engineering  
Manager**



**Henryk Sliwa**

**Chief Technical  
Officer**

## 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.

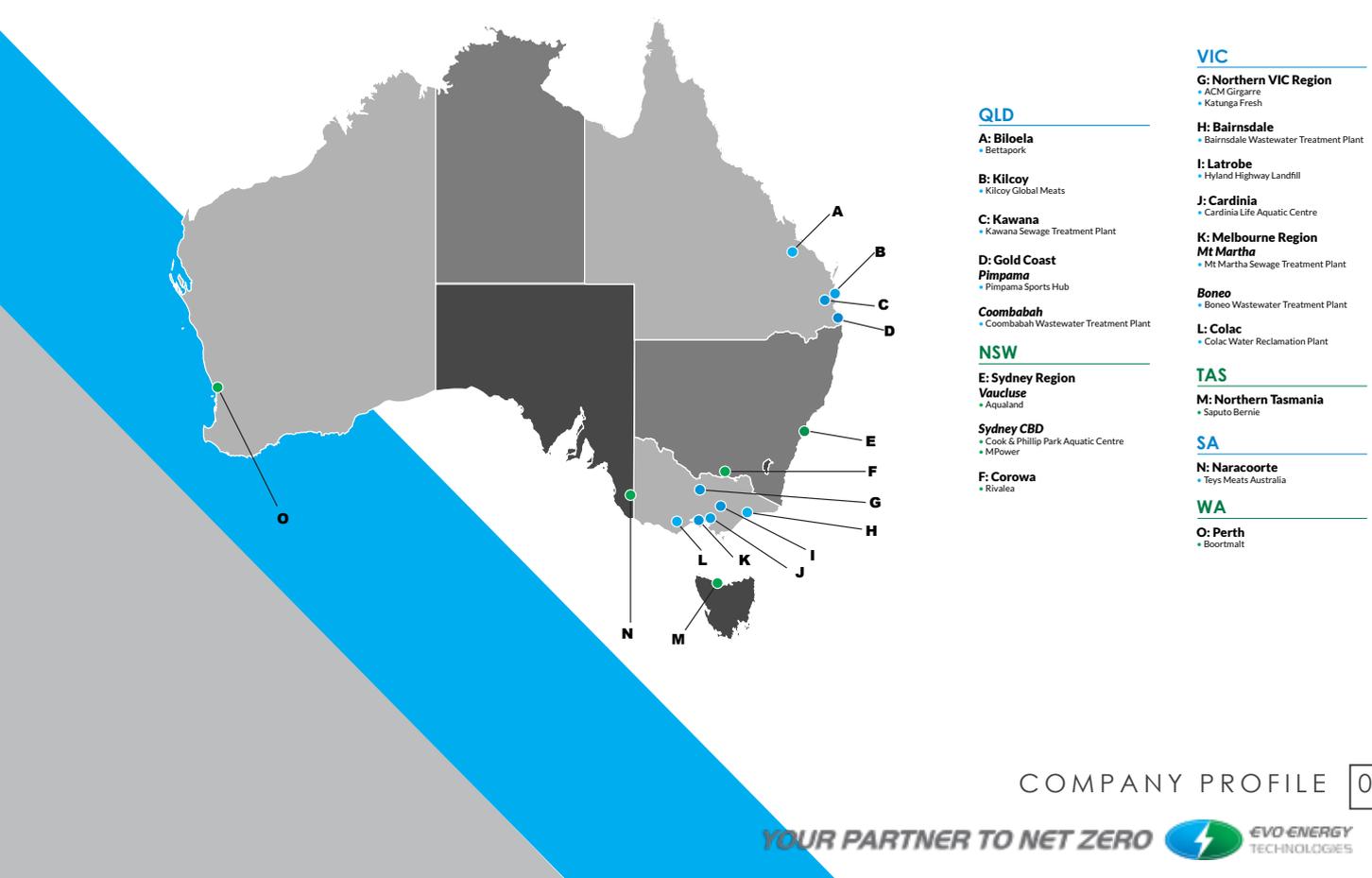
We cover a range of project management and engineering design services including; defining project scope, planning and organisation, coordinating resources, controlling quality and managing risk.



**Rao Nagavaindraa**

**National Projects  
Manager**

## OUR FOOTPRINT





## 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.

### 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



**Alex Pannekoek**

**National Service  
Manager**



**Sean Hodgson**

**QLD Branch Field Service  
Supervisor**



**David Henderson**

**WA Branch Field Service  
Supervisor**



**Jason Morman**

**Service  
Coordinator**

 **Servicing Australia wide**



## KILCOY PASTORAL COMPANY



The Kilcoy Pastoral Company is one of Australia's largest beef processors and are well recognised for their high quality beef products both nationally and internationally. The company has committed to sustainable operation to reduce their environmental impact and are continually seeking to implement new technology that will allow them to reach these goals.



In total, 3 CHP units totalling 4000kW were installed and convert waste product to renewable energy. This project also included the supply and delivery of a turnkey biogas treatment plant including: TS biological scrubber, 2 biogas blowers, 1500kg active carbon filter tank, biogas analyser and heat pumps for scrubber temp control and gas chilling.

The Biogas treatment plant consists of the following components:

- 2 x Low pressure biogas delivery blowers
- 1 x TS Biological scrubber 2000m<sup>3</sup>/hr flow rate H<sub>2</sub>S inlet 1000ppm to H<sub>2</sub>S outlet less than 100ppm
- 1 x Gas dehumidification system
- 2 x 2000L Activated Carbon Tanks
- 1 x High pressure biogas delivery blower
- 3 x EvoHeat Command heat pumps for cooling and heating of the above processes

The Biological scrubber is designed to remove the vast majority of the H<sub>2</sub>S in the biogas. The gas is then dehumidified and passed through the two 2000L Activated carbon filters before being boosted by a biogas blower and delivered up to the 4MW power station. The three EvoHeat heat pumps provide heating and cooling to control temperature inside the Biological Scrubber, and also cooling to remove moisture from the biogas being delivered to the engines.

## 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 H<sub>2</sub>S 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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