INNOVATIVE SOLUTIONS BY EVO ENERGY TECHNOLOGIES
Unique engineering approaches to meet tomorrow's challenges

EVO ENERGY TECHNOLOGIES
THE ULTIMATE SOLUTIONS FOR IMPROVED ENERGY EFFICIENCY

2G Cogeneration systems - natural and biogas
Biogas components
EvoHeat heat pump systems
Heat recovery technologies
Specialised heating and cooling applications

ENVIRONMENTAL RESPONSIBILITY & COMMERCIAL PROFITABILITY
THE AUSTRALIAN DISTRIBUTOR OF 2G COGENERATION SYSTEMS

Evo Energy Technologies is the Australian distributor for 2G Cogeneration systems who are the world’s leading biogas cogeneration manufacturer having installed over 5,500 plants in 43 countries.

2G manufacture cogeneration systems from 20kW to 4000kW electrical capacity that provide electrical efficiencies up to 42%.

Designed to use biogas, natural gas, landfill gas or hydrogen gas - 2G CHP systems offer the best opportunity for a successful return on investment.

SOLUTIONS THAT FIT YOUR NEEDS

Not every facility is the same - we provide custom solutions to meet requirements of your facility. We can deliver a complete package with integrated additional components, such as absorption chillers, gas treatment, production of steam and hot water and emission control systems.

We offer complete end to end solutions with a full range of service from supply only to full turn key installations with on-going maintenance and support.

Our staff have many years of experience in cogeneration including design and feasibility, biogas production and processing and gas safety and we have the only factory trained and certified staff to service 2G systems.

Applications: Abattoir | Agriculture | Biogas Plants | Food Industry
Landfill Sites | Sewage Treatment | Water Waste Treatment Plants
HEAT PUMP TECHNOLOGY

Heat pumps are an extremely efficient means to heat water, with the latest EVI Scroll technology we can heat water up to 80°C or extract heat from ambient air as low as -25°C. For even better efficiency we can extract heat using our water to water heat recovery technology from other water sources such as grey water, condenser water or process water.

Our systems can operate with C.O.P. of up to 5 - this means for every kilowatt of electrical energy in we achieve 5 kilowatts of heat energy out. By partnering with world leading manufacturers, EVO is able to offer the latest technologies in combination that no other company can provide. This provides outstanding savings in energy which in turn gives the best opportunity for a successful return on investment.

We can save up to 50% running costs and over 30% saving on GHG emissions of a gas boiler.

Evo Energy Technologies and our sister company, Evo Industries Australia, have a wealth of experience in delivering successful projects, including the Splash Environmental Award winning project for the Fremantle Aquatic Centre redevelopment.

We are 100% Australian owned and have been in business since 2006, supplying equipment all over the world, including Australia, New Zealand, Oceania, Thailand, Fiji, Malaysia, Vietnam and India.

BIOGAS COMPONENTS

We have sourced superior biogas products from leading engineers and suppliers from Europe and can supply a full range of biogas products including biogas blowers, biogas flares, biological gas cleaning and gas storage solutions and ORC.

Biogas storage
Biogas blowers
Biogas flares
Biological desulphurization

ORC - electricity from heat
Biogas boilers
GENSET heat recovery
Remote monitoring & control

EVO ENERGY TECHNOLOGIES SOLUTIONS
RECENT PROJECTS

KAWANA SEWAGE TREATMENT PLANT UPGRADE

Evo Energy Technologies supplied Unitywater and Monadelphous the following:
- 330kW Cogeneration System
- Biological H2S Gas Treatment
- Biogas Dehumidification
- Activated Carbon Gas Polishing/Siloxane Removal
- Biogas Flare
- Biogas Blowers
- Online Biogas Analyser
- Biogas Storage Domes
- Biogas/Diesel Boilers and/or heating of digester

BIOGAS COGENERATION SYSTEM AT RIVALEA AUSTRALIA

EvoET installed a custom-built 2G 500kW Biogas Combined Heat and Power Unit at Rivalea Australia.

The biogas system generates around 4,000MWh, 25% of the sites power requirements and offsets over 28,000 tones per annum.

BIOLOGICAL DESULPHURISATION PLANT AT SOUTHERN MEATS

EvoET installed a Biological Desulphurisation plant for Renu Energy at Southern Meats Goulburn.

The Bioscrubber system removes Hydrogen Sulphide from the incoming biogas to ensure clean gas is delivered to the engines on site and ensures operational costs are kept to an absolute minimum compared to other scrubbing technologies.