

TI-TREE POWER PLANT


LOCATION/SITE

Willowbank, Qld

CLIENT

 Ti-Tree
Bio-Energy

DATE

2010

DURATION

38 Weeks

WILLOWBANK, QUEENSLAND
PROJECT/OVERVIEW

Build design and install a power station which exports power from waste landfill gas to the grid network.

OUR INVOLVEMENT

Eneraque designed, manufactured, installed, commissioned, operates and maintains this power station and flaring facility for Ti-Tree.

The Caterpillar Gas Gensets are generating at 415 volts, stepping up to 33,000 volts to export onto the grid network. The project also includes a 1 x 500 m³/hr and a 1 x 2500 m³/hr flare for excess gas destruction and odour control to the site. Also included was a control room, amenities, fresh and waste oil supply storage for the power station.

OUTCOME/BENEFITS

- Allows the client to turn waste gas to profit
- Reduces odour
- Produces 3.3 mega watts of electricity from waste gas
- Incorporates 2 x gas flares for excess gas

SITE SPECIFICATIONS

- 3 X 1.1 megawatt gas generators
- Fresh/waste oil
- 2 x gas flares 1 x 500 m³/hr, 1 x 2500 m³/hr
- Centralized control room