

SUCCESS STORY

GLENLYN AGED CARE FACILITY

Melbourne, Victoria, Australia

**INSTALLATION**

Customer	Glenlyn Aged Care Facility
Project	Rooftop Installation
Location	Glenroy, VIC, Australia
Size	100kWp
Module Type	250W High Efficiency Multi-crystalline
Connected	October 2013
Installer	EnviroGroup

TECHNICAL SPECIFICATIONS

Number and Module Type	399 x YGE 250W
Annual Energy Yield	124.5MWh
Inverter	EN-PHASE 215W Micro-inverter
CO2 savings pa approx	163 tonnes

AUSTRALIA'S LARGEST GRID-CONNECTED ENPHASE SOLAR SYSTEM

Glenlyn Aged Care is a 76-bed high care facility for permanent and respite patients in the north Melbourne suburb of Glenroy.

Faced with the pressure of high operating costs and rising electricity costs, in October 2013 the facility engaged EnviroGroup, to provide a solar system to reduce their energy bills. Working within the highly regulated aged care environment, Glenlyn also required a system that could be closely monitored to ensure protection of their investment.

The end result was a 100 kWp rooftop system using 399 high efficiency Yingli 250W panels that has become the largest grid-connected Enphase microinverter power system.

Enphase's microinverter technology enables flexible designs and cost-effective installations to deliver more kilowatt-hours even through partial shade or structural obstructions. This was beneficial in the design of the Glenlyn system, which was faced with numerous challenges including limited internal space and a complex multi-faceted roof structure.

"The high output Yingli panels coupled with Enphase's energy harvest boost was an added bonus that made Enphase and Yingli technology the right solution," said EnviroGroup's Chief Executive Officer, Cameron Munro.

A positive impact on our finances

“Electricity bills were increasing at an alarming rate and with our large roof space and 7-day operation it seemed sensible to protect ourselves. EnviroGroup took time to understand our business needs and with Yingli’s high efficiency solar panels the end result will provide a positive impact on our finances and reduce our greenhouse emissions.”

–Nicole Sandhaus, Manager, Glenlyn Aged Care



KEY BENEFITS OF THE SYSTEM

- The largest grid-connected enphase micro-inverter system in Australia
- Estimated internal rate of return of more than 20% per annum
- Average daily electricity generation of 392kWh
- Annual production of 124.5 MWh (approx. 50% of annual energy consumption)