

Outcome

TradeCoast Central's Solar Facility was officially opened in March 18th 2009 by the Chairman for the Council of Park, Environment and Sustainability at the Brisbane City Council, Councillor Peter Matic.

TradeCoast Central's Project Director, Cassie Eivers, said the move to solar power was a major step towards TradeCoast Central's goal of becoming the new benchmark for excellence in ecologically sustainable development.

"Partnering with Ingenero is a first step in providing customers a visible, accredited, renewable energy solution. With the Ingenero EcoWatt online monitoring service we can actually demonstrate to our customers and stakeholders and our community the efficiencies of the solar system. We can actually quantify the benefits for us and our environment to our key stakeholders, clients and the community".

"Our design codes for sustainable development and architecture will place TradeCoast Central as the leading commercial and industrial community in Australia, located right here in Brisbane."

"Partnering with Ingenero to deliver our solar solutions means we are using the best technologies and world's best practices. This will give TradeCoast Central businesses not only the best site to be located but also a chance to meet their own sustainability goals."



Introduction

TradeCoast Central, located on the former Brisbane Airport Site, is a fully integrated master planned corporate office park and industrial community with a special emphasis on sustainable development and world class utility services.

Opportunity

With environmental sustainability being key to TradeCoast Central's development philosophy, providing renewable energy to the site was one of the first steps in the development of the park. The solution provided needed to be, first and foremost, an efficient renewable solution capable of servicing the park's energy needs, including the pumping of grey water from the parks X litre water tanks around the site. It also needed to act as a visual representation of TradeCoast Central's commitment to a sustainable development.

Solution

Ingenero's unique solar solution, which removes the upfront costs through its Power Purchase Agreement, provided the perfect answer for TradeCoast Central.

The 4.2kW amorphous silicon panels make up the largest application of thin film technology in Australia.

It will produce around 100,000kWh of energy over the 15 year term of the Power Purchase Agreement, saving more than 90tonnes in CO2 emissions over the same period, making a large contribution to TradeCoast Central's suitability goals.

As part of the solution, TradeCoast Central would also have access to Ingenero's online performance monitoring system, EcoWatt. EcoWatt allows Ingenero – and it's customers – to monitor the systems 24 hours a day, 365 days a year from anywhere in the world.

This means early identification of system failures or degradations, accurate measuring of solar intensity and temperature, and the ability to make sure Ingenero's systems are performing to their optimum ability all the time.

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Cassie Eivers
TradeCoast Central
Project Director