



Yulara Compressed Natural Gas Facility

International clean energy company, Energy Developments Limited's innovative energy solutions are helping deliver clean energy to Australia's world famous Red Centre.

The Yulara Compressed Natural Gas (CNG) Transport Project fuels the power station that supplies electricity to the World Heritage-listed Uluru-Kata Tjuta National Park in the Northern Territory.

"The power station services Uluru and the local community of Kata Tjuta, which hosts more than 400,000 visitors from around the world each year."

Energy Developments built, owns and operates the project which involves compressing natural gas into cylinders in Alice Springs and transporting them to the Yulara Power Station, 18 kilometres (km) from Uluru, also known as Ayers Rock.

The power station services Uluru and the local community of Kata Tjuta, which hosts more than 400,000 visitors from around the world each year.

The project, built on Energy Developments' long-standing relationship with Northern Territory Government owned electricity provider Power and Water Corporation, includes gas plants at Alice Springs and Yulara.



CNG Unloading Facility at Yulara

At a glance

Project name:

Yulara Compressed Natural Gas (CNG) Transport Project

Builder, owner, operator:

Energy Developments Limited

Customer:

Territory Generation

Location:

Alice Springs and Yulara, 440 km south-west of Alice Springs, Northern Territory, Australia

Primary fuel:

Compressed Natural Gas (CNG)

Production:

250 terajoules (TJ)

Start of operation:

October 2006





Gas from the Palm Valley-Alice Springs natural gas pipeline is compressed into carbon fibre cylinders at the Alice Springs compression station. The cylinders are hauled 440 km from Alice Springs to Yulara where the gas is decompressed to fuel the 4.5 megawatt power station. As well as the power station utilising CNG, the prime mover hauling the cylinders is also fuelled with CNG as a diesel substitute for the entire round trip of 880 km.

“The project delivers environmental benefits over diesel because CNG produces lower emissions of particulates, carbon dioxide and nitrogen oxide.”

The project also delivers economic advantages through the reduction in diesel fuel costs that would otherwise be incurred to run the power station.

The Yulara CNG Transport Project is one of the first projects of its types in Australia.

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About Energy Developments Limited (ENE)

ENE is an international provider of safe, clean low greenhouse gas emission energy and remote energy solutions. ENE currently manages an international portfolio of over 900 MW of power generation facilities in Australia, the United States and Europe, utilising a range of fuel sources operating in four main areas:

- Landfill gas power generation and abatement;
- Waste coal mine gas and mine vent air methane power generation and abatement;
- Remote energy generation; and
- Liquefied natural gas and compressed natural gas solutions.

ENE is involved in project development, finance, design, operation and maintenance of international power generating and energy delivery projects.



Alice Springs CNG Compression Facility



Tuffshell Cylinders