

THE POWER OF DESIGN

Energy Developments

If you live or work in regional or remote areas of Australia you know how important it is to have a reliable source of electricity, be it for your home or for a major project.

An Australian company is forging a formidable reputation in providing power generation tailor-made for long-term reliability and sustainability – and meeting those challenges in the remote West Kimberley region of Western Australia.

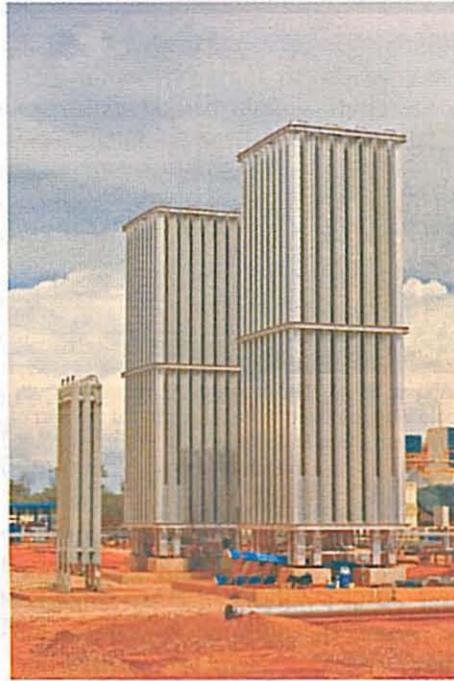
Energy Development Limited (EDL), a Brisbane based Australian company with international operations, has entered into a 20-year agreement with Western Australia's regional power company, Horizon Power, to deliver the electricity needs for the burgeoning tourism town of Broome and the growing towns of Derby, Fitzroy Crossing, Halls Creek and Looma.

It's been by design that EDL has shaped new power generation options to meet current and future electricity demand to match the West Kimberley's almost unprecedented growth and rugged operating conditions.

By the end of September, five new power stations will have been commissioned - each providing the energy needs of domestic and industrial customers with provision to expand when the need arises.

The demands made by a growing number of users and an increasing use of air-conditioning in the sometimes-stifling conditions of tropical West Kimberley is a challenge that is being met successfully by EDL.

EDL's Manager of Project Engineering



Above: Part of Derby Power Station

Services, Jon Ford, says the company's approach to the sprawling West Kimberley project is a coordination of proven design and quality engineering to meet demanding reliability standards for Horizon Power's customers.

The company has built its reputation on providing reliable energy solutions for customers in regional and remote areas with its modular power station designs well suited to the requirements of the five regional towns.

Broome, for example, will soon have a new, quieter station with a load capacity of 30MW with the ability to easily build on capacity to service the town's population that fluctuates from around 16,000 local residents

in the "wet" tropical months to 50,000 in the popular tourism season between May and October each year.

As such, the new power facility will have the flexibility to meet these current demands and also have the capability of adding plant capacity to match expected industrial and commercial growth.

While the relatively small community of Looma has already been commissioned (2200KW load), neighbouring Derby – itself experiencing a new age of prosperity – will have a new power facility providing 12.5MW capacity. The new Fitzroy Crossing and Halls

(Cont. on next page)



Above: EDL's Mark Jonker with Western Australia's Minister for Energy, Francis Logan, as the Minister looks over progress of Broome's new power station

Joint venture partners looking to build on WKPP success

BARCLAY Engineering and Modern Industries (WA) Pty Ltd are looking for new opportunities to work together due to the success of their joint venture for the West Kimberley Power Project (WKPP).

Both companies operate independently and internationally in the mining, energy, oil and gas industries particularly relating to thermal and acoustic engineering solutions.

But when Energy Developments Limited (EDL) called for tenders for the acoustic enclosures and associated mechanical and electrical works for the WKPP in late 2005, Barclay and Modern formed a joint venture in order to meet the tight delivery schedule.

The partnership enabled the sharing of resources and facilities to ensure the project objectives of EDL were achieved. The contract was completed virtually without change to the quoted price, something rare in the current market, according to Andrew White, Managing Director of Modern Industries.

The two companies have had a working relationship for several years, with Modern Industries providing sub components to Barclay Engineering's design specifications

for various projects in Australia, Southeast Asia and the Middle East.

The WKPP called for the design, manufacture, testing, delivery and installation of 42 gas and four diesel generator sets in less than eight months after the design specifications were finalised.

Mr White says that when various aspects of the detailed engineering design were evolving to incorporate improved knowledge from Barclay Engineering's contract with EDL's German Creek project in Queensland, the extra time taken threatened to impact negatively on the WKPP schedule.

The additional resources and production management experience of Modern Industries enabled the JV team to accelerate the manufacturing works and all other downstream activities to achieve EDL's required completion targets.

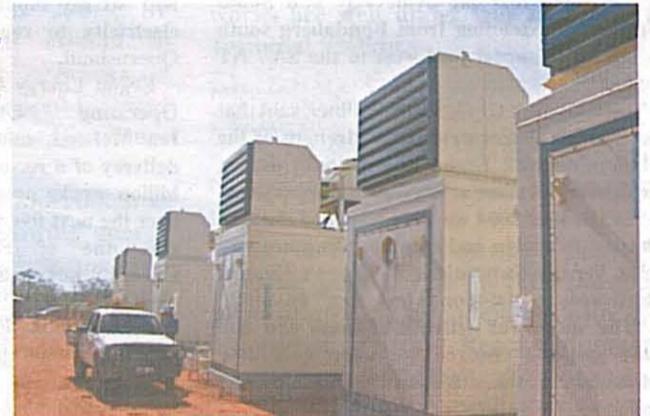
[The December 2006 issue of Power & Energy News has a full report on the German Creek project.]

Now, both partners are looking for new opportunities to work together – "and prove again that one plus one is greater than two," says Mr White.



A Joint Venture between
Barclay Engineering
&

Modern Industries (WA) Pty Ltd



The BMJV congratulates Energy Developments Limited on the successful implementation of the West Kimberley Power Project



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