

132kV & 66kV Transmission Line

Customer: Ergon Energy

Country: Australia

Site: Agnes Waters,
Queensland

PROJECT DESCRIPTION

The project involved design and construction of a 47 Km long 66 kV single circuit line with an integrated 4 km long double circuit section for future provisions.

End to end OPGW stringing and one 1.5 km long 132 kV Inter-connector was also included. The line is designed with concrete poles with height up to 26 meters with 7 steel poles used in the Double Circuit section to minimize the land usage in Urban area.

The concrete poles are designed to withstand high wind conditions in this cyclonic area with weights ranging from 7 to 11 tonne each which can only be carried by heavy semi-trailers using mostly dirt roads.



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EXPERTISE

Engineering: Structural and civil static calculations

Construction: Worksite management, Supply and logistics, Erection, pulling and stringing

Special foundations turnkey solutions: Foundations design (surface and deep)

► Budget (k€): **7,500**

► Start date: **01/2007** End date: **01/2008**

► Business units involved:
Omexom, Electrix AUS

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