

Underground Cable Link

Cost efficient design opened doors in Botswana



Cable data

Voltage	132 kV AC
Power	90 MVA
Length	24 600 m
Conductor	400 mm ² Al
Insulation	XLPE
Weight	5,5 kg/m
Customer	Botswana Power Corporation
Year	2000 - 2001

Project content

XLPE cables, joints and terminations
Supervision, installation and testing

Strong local support combined with an extremely cost-effective design opened the doors for ABB and our first order in Botswana.

The country that borders on South Africa has an economy based heavily on mining and meat production. The country is making big investments in development, not least in schools.

Cables instead of overhead lines

The need for electrical power is increasing in Botswana in keeping with development. This is the basis for the recently introduced investment program to expand the electrical network. In densely populated areas, such as the capital city Gaborone, it is no longer feasible to put in

overhead wires. Cable linkages are the obvious alternative, as long as the cost is reasonable.

Familiar and trusted name

ABB has been established in Botswana for many years, and it is a familiar and trusted name. This made it easier to make contacts and led to a turnkey solution with cabling, accessories and installation. Particularly important were the clear demands for watertight cabling, because the rainy seasons are intense in Botswana. With aluminium instead of lead as a sealant, the customer obtained a relatively cheap solution.

Broad competence

Through its network, ABB has the collective competence and systems know-how to be able to offer attractive and cost-effective cables

and cable system solutions including state-of-the-art measurement systems for real-time monitoring of the cable/cable system.

Close co-operation and contact with our customers ensures that our solutions will be based on actual conditions in and requirements of the system, resulting in an optimized solution. This hands-on approach to our customers needs and requirements has quickly created a broad world-wide confidence in our capability in providing solutions covering everything from the feasibility study through the design to the installation of the chosen solution.



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