



ANDE
PARAGUAY



AN EFFECTIVE WAY OF RECONDUCTORING A TRANSMISSION LINE



The National Electricity Administration (ANDE) has carried a project that aims at changing the conductors on two transmission lines in Paraguay in order to increase the power capacity.

The Electricity company was facing many installation challenges as the power shutdown is either not permitted or the given window is very tight.

SBB, the worldwide leader supplier of Emergency Restoration Systems (ERS), was contacted by ANDE to suggest a cost effective system that will improve the reconductoring work with minimum shutdown.



SBB experts worked in close partnership with ANDE to offer the best solution for their needs. The ERS team has prepared bypass plans and based the type and the quantity of the proposed towers on those plans (see Picture 1 for the double circuit bypass plan).

Thus, in order to cover a total bypass of 30km on two different 220kV lines, SBB designed 3 different configurations and offered 2 lots of 79 ERS towers in total.

ANDE acquired the SBB towers and carried out the work by sections of 10km on the single circuit line and by sections of 20km on the double circuit line to successfully complete a total of 80km bypass.

SOME ADVANTAGES THAT HAVE DISTINGUISHED SBB ERS TOWERS



Time to stay installed:

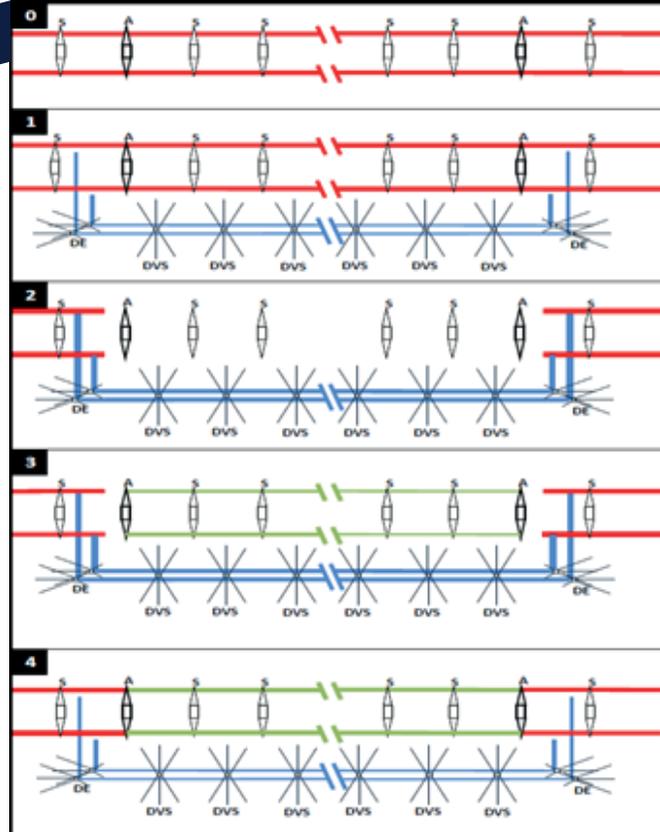
Each stretch of the bypass was installed and remains 6 months. The client has chosen SBB ERS towers for their reliability and strength compared to other towers. The by-pass made with SBB towers supported high winds and other hard weather conditions during 6 months without any problem.



Facility of transport and installation:

Some locations had flooded soils and transportation from the highway was made with small vehicles. The SBB small and light components allowed an easy and fast transport. Additionally, the installation of SBB towers was made section by section by hands, without equipment, which is not feasible with other type of towers.

Picture 1. Suggested Bypass plan for the double circuit 220kV line



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