

# PLN Completes 500 kV Quad Bundled ACCC® Conductor Installation in West Java

by [Dave Bryant](#) | Feb 3, 2020 | [CTC ACCC Conductor project](#)



With the support of contractors KSO PT Sangkan Jaya and PT Prima Estika, PLN (Persero) TJBB completed and energized their 500 kV quad bundled Suralaya to Balaraja transmission line on December 30, 2019. The project started on November 12 and was completed very quickly by using six separate teams on six defined sections. Support for the installation was also provided by PLN, PLN Engineering, PT KMI Wire and Cable Tbk, and CTC Global's Licensed Service Provider PT Dinamika Elektra Mandiri.

PLN selected Amsterdam size ACCC® Conductor to replace Dove size ACSR conductor to increase line capacity without the need to modify or replace existing lattice structures. Average span length was ~480 meters with the longest span over 890 meters. One section included a substantial mountain crossing. The 61.5 circuit kilometer project used 746 kilometers of ACCC Conductor manufactured by PT. KMI Wire and Cable Tbk with ACCC Core produced by CTC Global. Compression Fitting Hardware was provided by Dervaux.