



-20/+30 MVAR DYNAMIC COMPENSATION

GE Vernova's Power Conversion business has designed, supplied, and commissioned a dynamic compensation system with a nominal capacity of -20/ +30 Mvar for the Geoenergia utility in Eliseu Martins, in Piauí, Brazil.

Key Data

Grid voltage	6,600 V, 60 Hz
Nominal operating voltage	6.6 kV +10%
Nominal control range	0-30 Mvar capacitive
TCR control range	0-50 Mvar inductive
Installed capacitor power	76 Mvar
Filter circuits	2x H5, H7, H11
Converter	1x Semivar W 10052/4000/11.8
Thyristors	42 pieces, T3441N5200
Control	Logidyn-D2 (COP, TCU, BIO, DEP)



The dynamic compensation system on the left and substation on the right