



230 MVAR DYNAMIC COMPENSATION

GE Vernova's Power Conversion business equipped two electric arc furnaces and two ladle furnaces with a 230-Mvar dynamic compensation system at the Lech-Stahlwerke electric steel plant in Germany.

Key Data

Grid voltage	20,000 V, 50 Hz
Operating voltage	21.5 kV +5% = 22,575 V
Dynamic power	0-230 Mvar capacitive
Filter circuits	H2, H3, H4, H5
Filter circuit power	230 Mvar, 341 Mvar installed
Converter	2x Semivar W 10052/4000/13.4
Thyristors	96 pieces, T2851N5200
Control	Logidyn-D2 (COP, TCU, BIO, DEP)
du <±5% at 20 kV	



Outdoor installation with filter circuits and sound-insulated TCR reactor coils