



# 100/70 MVAR DYNAMIC COMPENSATION

GE Vernova's Power Conversion business has equipped the heavy plate mill of Dillinger Hütte (Dillinger Hütte AG, Dillingen, Germany) with a new dynamic compensation system.

## Key Data

Network voltage	35,000 V, 50 Hz
Dynamic power	Stage I: 0-70 Mvar capacitive Stage II: 0-100 Mvar capacitive
Filter circuits	250 Hz, 350 Hz, 500 Hz
Installed capacitor power (I)	112 Mvar
Converter	3x Semivar W 5042/1200/11.4
Thyristors	144 pieces, T/29N4200
Control	Logidyn-D2 (COP, TCU, BIO, DEP)
35-kV Network	Sk = 700–1100 MVA
THD<5%; U2/U1<2%; cosφ>0.9; B<100 μT	



Split reactor coils of the TCR



Tree-phase assemblies of the thyristor rectifier in the container