



40 MVAR DYNAMIC COMPENSATION

GE Vernova's Power Conversion business has modernized the finishing line of a beam rolling mill at Profil-Arbed in Luxembourg and equipped with thyristor converters, digital control, and dynamic compensation.

Key Data

| | |
|----------------------|---------------------------------|
| Grid voltage | 5,000 V, 50 Hz |
| Dynamic power | 0-30/40 Mvar capacitive |
| Filter circuits | 240 Hz, 340 Hz, 540 Hz |
| Filter circuit power | 30 Mvar (10 Mvar extended) |
| Converter | 1x Semivar W 10052/4000/6.7 |
| Thyristors | 24 pieces, T2601N5200 |
| Control | Logidyn-D1 (COP, TCU, BIO, DEP) |
| 65 kV grid | $S_k = 300 - 700 \text{ MVA}$ |



Filter circuits in a tower structure



TCR reactors