



# 20 MVAR DYNAMIC COMPENSATION

GE Vernova's Power Conversion business delivered a dynamic compensation system with a capacity of 20 Mvar at a voltage of 20 kV to the Institute for Plasma Physics (IPP) in Greifswald – as well as a renewal of the existing control and regulation system years after.

## Key Data

Main voltage	20,000 V, 50 Hz
Operating voltage	20 kV $\pm 10\%$
Compensation power	0-20 Mvar capacitive
Filter circuits	H5, H7, H11, H13, H23
Converter rated power	20 Mvar at 20 kV
Converter	2x Semivar W 5042/1200/10.0
Thyristors	42 pieces, T731N4200
Control	HPCi with new digital technology (2023)



Outdoor area with reactor and five filter circuits