

Static Synchronous Compensator

STATCOM

The energy transition is already underway, with renewables integrating more into the grid. Cutting CO2 emissions is vital, especially for heavy industries striving to decarbonize. Grid stability is crucial.

To tackle grid connectivity challenges in this transition, Southern States provides advanced STATCOM solutions tailored for heavy industry.

Benefits for heavy industries' power grids includes:

- Enhanced power quality
- Reduction of voltage fluctuations
- Improved stability during power fluctuations
- Enhanced reactive power compensation
- Better control of power factor



- Fastest solution available for Dynamic Voltage/var compensation.
- Active Harmonic Filtering capability
- Smallest Footprint per Mvar
- Most reliable technology available.



Surpass Your Toughest Goals with Our Cutting-Edge STATCOM

Our technical expertise in the most complex power systems applications guarantees our customers the best and most cost-effective solution for their needs.



Utility

Ensure voltage stability and improved power quality



Renewable Generation

Comply interconnection requirements



Electric Arc Furnace

Increase productivity and avoid downtime due to voltage sags and other power quality problems.



Mining

Ensure optimal motor operation during start-up and steady state phases.



Heavy Industry

Avoid downtime and increase equipment life enhancing power quality



Rolling Mill

Avoid costly downtime due to voltage sags and other power quality problems.

Capabilities

Power: Any kvar rating

Voltage: Direct connection up to 69 kV, higher voltage with Step-Up transformer

Connection: Wye or Delta (unbalance correction)

IGBT Technology: Wire bond / Press pack

Cooling: Air-Water / Water-water

Enclosure: Outdoor / Indoor solutions