

Static Synchronous Compensator

STATCOM

The energy transition is already happening. Every day more renewable generation is being incorporated into the grid. Reducing CO₂ emissions is important for the world, as is ensuring grid stability.

The Grid connectivity challenges of interconnecting renewable generation can be overcome with **Southern States' cutting-edge STATCOM solutions.**

Power grid benefits:

- Power oscillation mitigation
- Sub Synchronous Resonance Damping
- Increased transient voltage stability
- Voltage stabilization
- Steady-state voltage adjustment



- 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