

# NIDEC medium voltage VFD solutions, services, replacement and spare parts offering

Sulzer's partnership with Nidec Industrial Solutions provides Nidec's extensive portfolio of medium voltage drives and Sulzer's local maintenance facilities accessibility as well as field service technical and onsite support for customers in various industrial applications, including oil and gas and power generation.

With the acquisition of Ansaldo Sistemi Industriali and the Emerson motors and generators divisions Nidec can now offer customers more than 200 years of combined experience in the design and manufacture of electric motors and generators for the energy, metal, environmental, marine and industrial markets. Nidec has the experience to deliver process oriented electric motors either as a stand-alone component or a fully engineered system with drives (VFD), switch gears and controls.

The combination of technologies and background is the base of our expertise in engineering flexible, customized solutions for global industrial markets at competitive prices.

## Comprehensive solutions for many industrial applications

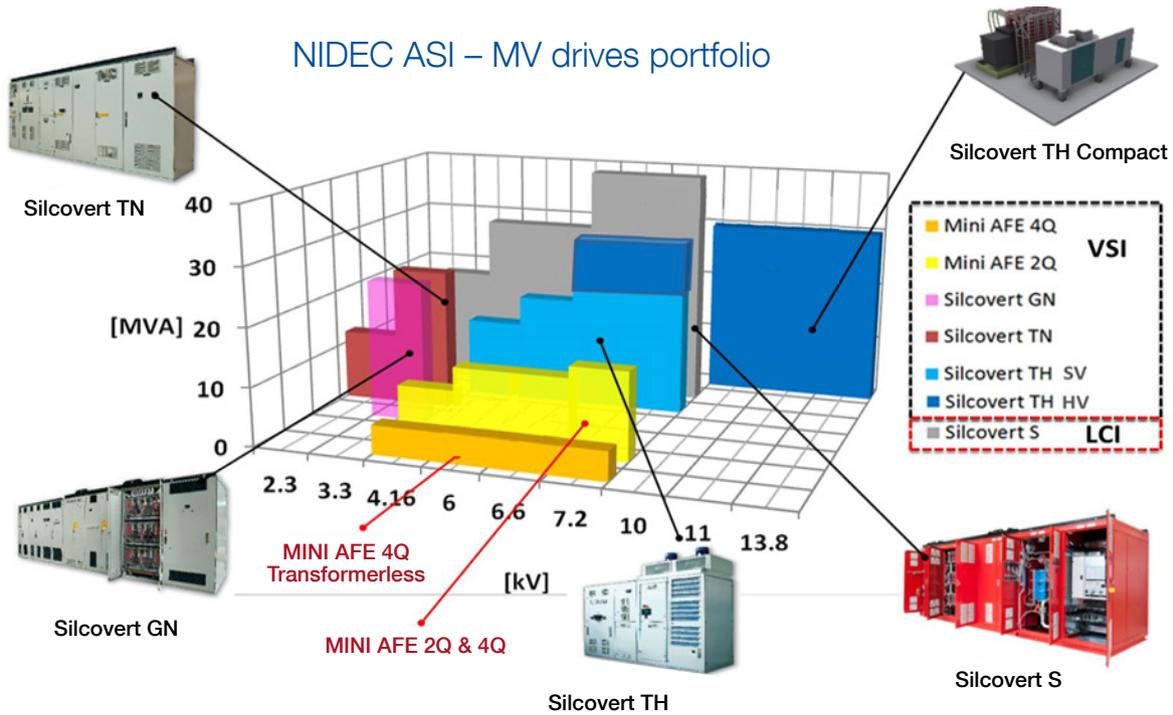
- MV variable frequency drives solutions
- Excitation and soft starter solutions
- Installation and field services
- Testing and trouble-shooting
- Warranty support
- Engineering support
- OEM spare parts
- MV VFD stock units 4'160 V;  
1'000 hp, 1'500 hp, 4'000 hp (first come first serve)



- Your trusted local partner
- Integrated solutions
- Field services and support



## NIDEC ASI – MV drives portfolio



The Silcovert N Series is a high-performance neutral point clamped voltage source drive for induction and synchronous motors. Both field oriented and V/Hz controls are available for different applications.

The Silcovert TH is a series of medium-voltage PWM Voltage Source Inverters for the most demanding applications where reliability and performance are fundamental requirements.

Built around the most up-to-date IGBT technology, its multi-level structure makes it suitable for driving any motor at variable speed in the power range from 400 kVA to 100 MVA (4 containers/VFD in parallel), up to 13.8 kV. We offer a modular and flexible solution, suitable for cabinet and container installation for a wide variety of applications.

The Silcovert S is a load-commutated current source inverter (LCI) for synchronous motors and provides speed regulation, motoring and braking torque regulation, and programmable V/Hz profiles. The Silcovert S has a rugged, compact design and is highly efficient and reliable.

### Silcovert TN

Power range	air cooling 1'300/10'400 kVA water cooling up to 21'600 kVA
Voltage	up to 3'300 V
Drive topology	neutral point clamped (NPC) active front end (AFE)
Output frequency	normal 5–70 Hz extended 5-140 Hz

### Silcovert GN

Power range	water cooling 9'000-24'000 kVA (higher power on request)
Output frequency	normal 10-65 Hz extended 10-100 Hz

### Silcovert S

Power range	air cooling up to 20'000 kVA water cooling up to 75'000 kVA
Output frequency	5-95 Hz



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