



ELECTRIC POWER GENERATION



INDUSTRIAL, CUSTOM-ENGINEERED AND
SPECIAL ALTERNATORS FOR ALL APPLICATIONS

LEROY-SOMER™
KATO ENGINEERING™

Nidec
All for dreams

GENERATING

A POWERFUL FUTURE

Leroy-Somer Electric Power Generation is the global leader for alternators from 10kW to 35MW. We provide alternators for generator set manufacturers and power producers worldwide.

Every day, our products help secure access to power for thousands of people, for the safety and peace of mind of everyone.

We offer solutions for all standby and prime applications, from pioneer industrial outposts and ships to busy commercial zones and lively neighborhoods.

With over 3500 employees and a global footprint in over 40 countries, we're never far from you.

TWO STRONG BRANDS:

LEROY-SOMER & KATO ENGINEERING

INDUSTRIAL ALTERNATORS

FOR GENERATOR SETS

CUSTOM GENERATORS

FOR ALL POWER GENERATION PROJECT TYPES

DEDICATED SOLUTIONS

FOR OIL & GAS, MARINE, RAIL AND MORE

WORLDWIDE

SERVICE NETWORK

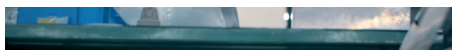


NIDEC CORPORATION

FOR EVERYTHING THAT SPINS AND MOVES



GLOBAL #1 IN ELECTRIC MOTORS



Founded in 1973 by President & Chief Executive Officer Shigenobu Nagamori, Nidec has worked its way up to become the world's No.1 manufacturer of small precision motors. In the process, Nidec has gradually expanded its product lineup to include a variety of small to large motors, application products for machinery, and electronic and optical components.



€10 BILLION SALES



107 062 EMPLOYEES WORLDWIDE



Today, Nidec products are used in a wide range of applications and devices including information and telecommunications equipment, office equipment, home appliances, automobiles, industrial equipment, and environmental energy.

«For Everything that Spins and Moves», the Group is creating next-generation drive technologies to meet the needs of the society.

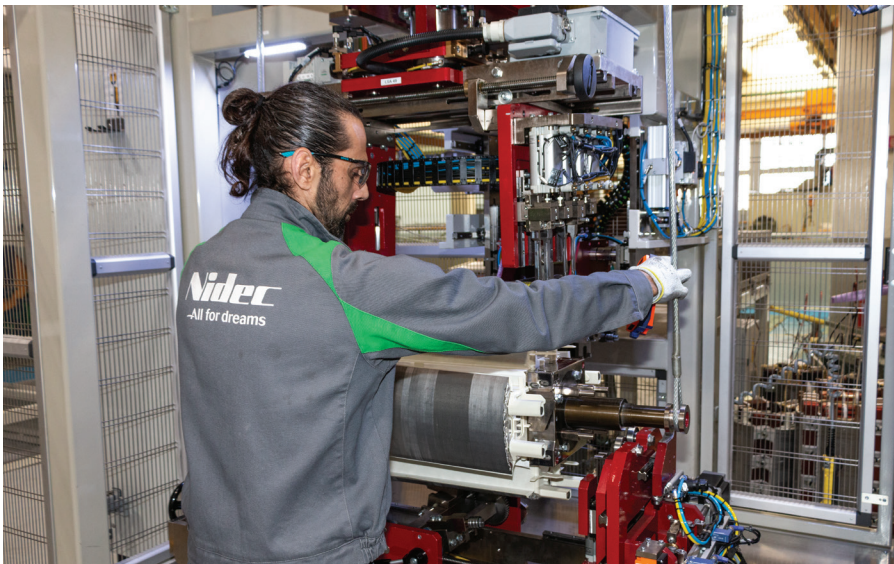


TRUSTED POWER GENERATION EXPERTS

Since 1919, Leroy-Somer has grown to become the world's preferred provider of industrial alternators for generator sets.

At the source of this tremendous achievement is our continuous commitment towards technical excellence and customer empowerment.

We strive not just for your satisfaction, but also for your own business development. This is the Leroy-Somer difference.



INDUSTRIAL ALTERNATORS FOR GENERATOR SETS MANUFACTURERS

CUSTOM-ENGINEERED MEDIUM AND HIGH VOLTAGE GENERATORS

DEDICATED TEAMS FOR HYDRO AND WIND POWER

DEEP KNOWLEDGE OF NUCLEAR EMERGENCY POWER

GRID CODE COMPLIANT PRODUCT RANGE AND EXPERTISE



KATO ENGINEERING™

DEPENDABLE POWER GENERATION FOR PIONEERING INDUSTRIES

At Kato Engineering, we are proud of our 83-year tradition of design and manufacturing excellence and innovation. We employ about 400 people in our 250,000 sq-foot facility in Mankato, Minnesota, with in-house research & development, and design engineering. Our ruggedly constructed generators have survived the harshest environments, and our commitment to meeting customer needs has made the Kato name synonymous with dependable power generation worldwide.



Custom-engineered
alternators for
standard & specialized
applications



Extensive
oil & gas
capabilities



Traction
alternators
for rail and
hauler trucks



Motor-generator
sets for power
conversion and
stability



Solutions for
marine and Navy
ships

PRODUCTS OVERVIEW

INDUSTRIAL RANGE	
TAL RANGE All-purpose performance 50 / 60 Hz 10 – 1000 kVA	LSA RANGE Special applications 50 / 60 Hz 10 – 4000 kVA
LSAM Marine applications 50 / 60 Hz 10 – 2400 kVA	LSAC Grid connected & cogeneration 50 / 60 Hz 10 – 1400 kVA



CUSTOM FOR ALL
RECIPROCATING ENGINES Diesel & Gas High speed & low speed Up to 15kV / 20 MW
HYDRO TURBINES Horizontal & vertical All turbine types 100 kVa - 20 MW



PRODUCTS

PRIME MOVERS

STEAM & GAS TURBINES

High speed
Up to 15kV / 35 MW

WIND TURBINES

Fixed or variable speed
Up to 11kV / 10 MW

NUCLEAR POWER PLANTS

Emergency gensets



DEDICATED PRODUCTS

TRACTION ALTERNATORS

For trucks &
locomotives

MOTOR-GENERATOR SETS

Line conditioning,
Transformer testing
Frequency conversion

VARIABLE SPEED

For Telecom
towers

TOTALLY ENCLOSED

IP 55 & ATEX
For Oil & Gas applications

400 HZ

Aviation ground power



KATO ENGINEERING™

LEROY-SOMER™

SERVICE & SUPPORT

A GLOBAL NETWORK OF EXPERTS AT YOUR SERVICE

At Leroy-Somer and Kato Engineering, we pride ourselves on matching our high product quality with an equally high level of service throughout product life. For all your alternator service needs, you can trust in the support of our team of electric power generation experts to optimize your machines' reliability and efficiency.

Our staff knows power generation operations inside out and will spare no effort to provide you with the best value service to optimize your cost of ownership on all machine types, including third-party alternators.



- ON-SITE INTERVENTIONS FOR INSPECTION & REPAIR
- PREVENTIVE AND SCHEDULED MAINTENANCE CONTRACTS
- FACTORY REMANUFACTURING OR ON-SITE OVERHAUL
- EXPERT DIAGNOSTICS
- GENUINE SPARE PARTS
- TRAINING AND EDUCATIONAL PROGRAMS

MONITORING SOLUTIONS

SOLUTIONS FOR SMART POWER GENERATION SYSTEMS

Keeping a close eye on any power generation asset is key to guarantee its longevity and performance. We offer several solutions to record, store, share and analyze any relevant alternator data. These data can be used during maintenance to optimize operations or to help identify the root cause of a failure.

GenOSys™, our remote power system management solution, is designed around a proprietary platform that can collect & process all types of data involved in power generation (currents, voltages, resistances, temperatures, vibrations, fuel consumption, etc.).

This system enables real-time management of remote assets. It also capitalizes on the data backlog to build analytics and scenarios that can be used to anticipate faults for predictive maintenance, or to optimize system efficiency.



GenOSys remote power
system management
solution



Dedicated
team and experts



Scalable solutions
for offline data
logging

WORLDWIDE FOODPRINT



MANKATO
* USA *
MHV

LEXINGTON
* USA *
REYNOSA
* MEXICO *
LV - MHV

SILLAC
* FRANCE *
OLOMOUC
* CZECH REPUBLIC *
LV - MHV

US

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FACTORIES



SALES & SERVICES OFFICES



ORLÉANS
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LV – MHV

FUZHOU
* CHINA *

LV – MHV

BANGALORE
& HUBLI
* INDIA *

LV – MHV

ASIA-PACIFIC

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Nidec
All for dreams

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