

The Nidec logo is displayed in white text on a green rectangular background.

Power

Company Overview



LEROY-SOMER™
KATO ENGINEERING™

Industrial, Custom-engineered
and Special Alternators
for all Applications

GENERATING

A POWERFUL FUTURE

Nidec Power is the global leader for alternators from 10 kVA to 35,000 kVA.

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 3000 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.



€15 BILLION SALES



OVER 100,000 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 96-year tradition of design and manufacturing excellence and innovation. We employ about 400 people in our 345,000 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 Engineering™ 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

LSA

Standard & critical applications
50/60 Hz - 10 to 4000 kVA

LSAH

Cogeneration & critical applications
50/60 Hz - 10 to 75 kVA

LSAM

Marine applications
50/60 Hz - 10 to 2400 kVA

TAL

Standard applications
50/60 Hz - 10 to 1000 kVA

TRACTELEC

Agriculture
50/60 Hz - 15 to 66 kVA

LSAC

Grid connected & cogeneration
50/60 Hz - 10 to 1400 kVA

CUSTOM

LSA: 10 to 35,000 kVA -
Horizontal & Vertical

RECIPROCATING ENGINES

Diesel & Gas
High speed & low speed

HYDRO TURBINES

Horizontal & vertical
All turbine types



PRODUCTS

- 50/60 Hz – 4 to 24 poles
- I01 & IC6 & IC8

STEAM & GAS TURBINES

High speed

WIND TURBINES

Fixed or variable speed

NUCLEAR POWER PLANTS

Emergency gensets



DEDICATED PRODUCTS

TRACTION ALTERNATORS

for trucks
& locomotives
100 to 6000 kVA

VARIABLE SPEED

for Telecom, Marine
& Wind power
5 to 10,000 kVA

MOTOR- GENERATOR SETS

Line conditioning,
transformer testing
Frequency conversion
1000 to 25,000 kVA

SYNCHRONOUS CONDENSER

for grid stabilization
1000 to 20,000 kVA

ATEX ALTERNATORS

Totally enclosed
alternators ATEX certified
for explosive atmospheres,
for Oil & Gas applications
1000 to 35,000 kVA

400 HZ

Aviation ground power
16 to 400 kVA



SERVICE & SUPPORT

A GLOBAL NETWORK OF EXPERTS AT YOUR SERVICE

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 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
- EXPERT DIAGNOSTICS
- PREVENTIVE AND SCHEDULED MAINTENANCE CONTRACTS
- GENUINE SPARE PARTS
- FACTORY REMANUFACTURING OR ON-SITE OVERHAUL
- 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 FOOTPRINT



USA

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EUROPE, MIDDLE-EAST & AFRICA

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Connect with us at:



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