ELECTRIC POWER GENERATION

INDUSTRIAL, CUSTOM-ENGINEERED AND SPECIAL ALTERNATORS FOR ALL APPLICATIONS
Leroy-Somer Electric Power Generation is the global leader for alternators from 10kW to 25MW. 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.
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.

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.
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 you satisfaction, but also for your own business development. This is the Leroy-Somer difference.
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.

KATO ENGINEERING™
DEPENDABLE POWER GENERATION
FOR PIONEERING INDUSTRIES

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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

<table>
<thead>
<tr>
<th>Range</th>
<th>Description</th>
<th>Frequency</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAL RANGE</td>
<td>All-purpose performance</td>
<td>50 / 60 Hz</td>
<td>10 – 1000 kVA</td>
</tr>
<tr>
<td>LSA RANGE</td>
<td>Special applications</td>
<td>50 / 60 Hz</td>
<td>10 – 4000 kVA</td>
</tr>
<tr>
<td>LSAM</td>
<td>Marine applications</td>
<td>50 / 60 Hz</td>
<td>10 – 2400 kVA</td>
</tr>
<tr>
<td>LSAC</td>
<td>Grid connected &amp; cogeneration</td>
<td>50 / 60 Hz</td>
<td>10 – 1400 kVA</td>
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</tbody>
</table>

### CUSTOM

#### RECIROCATING ENGINES
- Diesel & Gas
- High speed & low speed
- Up to 15kV / 20 MW

#### HYDRO TURBINES
- Horizontal & vertical
- All turbine types
- 100 kVa - 20 MW
<table>
<thead>
<tr>
<th>PRODUCTS</th>
<th>DEDICATED PRODUCTS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STEAM &amp; GAS TURBINES</strong>&lt;br&gt;High speed&lt;br&gt;Up to 15kV / 25 MW</td>
<td><strong>TRACTION ALTERNATORS</strong>&lt;br&gt;For trucks &amp; locomotives</td>
</tr>
<tr>
<td><strong>WIND TURBINES</strong>&lt;br&gt;Fixed or variable speed&lt;br&gt;Up to 11kV / 10 MW</td>
<td><strong>MOTOR-GENERATOR SETS</strong>&lt;br&gt;Line conditioning,&lt;br&gt;Transformer testing&lt;br&gt;Frequency conversion</td>
</tr>
<tr>
<td><strong>NUCLEAR POWER PLANTS</strong>&lt;br&gt;Emergency gensets</td>
<td><strong>VARIABLE SPEED</strong>&lt;br&gt;For Telecom towers</td>
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<td></td>
<td><strong>TOTALLY ENCLOSED</strong>&lt;br&gt;IP 55 &amp; ATEX&lt;br&gt;For Oil &amp; Gas applications</td>
</tr>
<tr>
<td></td>
<td><strong>400 HZ</strong>&lt;br&gt;Aviation ground power</td>
</tr>
</tbody>
</table>
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
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.
BANGALORE & HUBLI
* INDIA *
LV – MHV

FUZHOU
* CHINA *
LV – MHV

ORLÉANS
* FRANCE *
LV – MHV

ASIA-PACIFIC

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