

High performance industrial tool

In its centre of excellence in Orleans (France), Leroy Somer designs and manufactures a customized range of small hydro-electric generators.

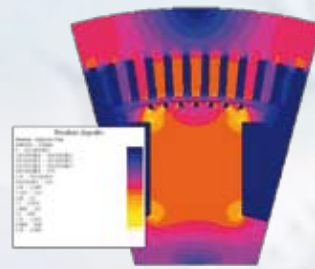
In order to optimize mechanical, thermal and electrical performances, our R&D team uses the most up to date engineering tools such as finite element modelling and 3D CAD ...

Reinforced insulation systems have been developed to further enhance the generator's reliability, especially for hydro-power generation.

Improved production flow optimizes lead times and quality, regardless of the design, size and weight of the generator (2 to 60 tons).

Further productivity is achieved with highly efficient production tooling e.g. stamping, machining, welding, winding, vacuum-pressure impregnating and load testing.

Control of these processes with permanent monitoring and comprehensive testing of all products before shipment guarantees the highest quality that one associates with Leroy Somer.



Worldwide references of hydro synchronous generators

48 units
183MW



464 units
1050MW



22 units
26MW



89 units
150MW



51 units
162MW



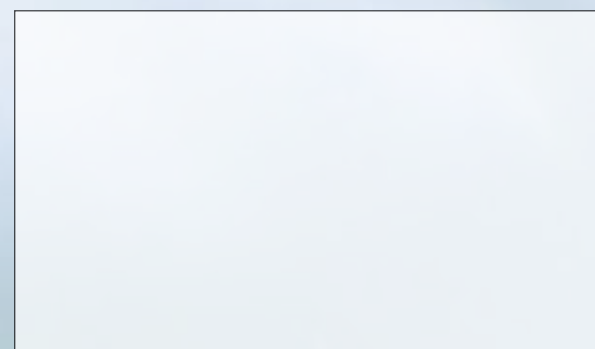
Global service

In addition to total quality management, Leroy-Somer provides a complete range of services to aid consultants, assemblers and end-users alike.

Wherever you are, our engineers are available to assist during all phases of the project:

- installation, erection, assembly and commissioning
- expertise and diagnosis
- preventive maintenance
- inspection and repair

Leroy-Somer's commercial and service network is worldwide, including 470 fully dedicated branches assuring prompt and effective service.



MOTEURS LEROY-SOMER
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HYDRO POWER SYNCHRONOUS GENERATORS

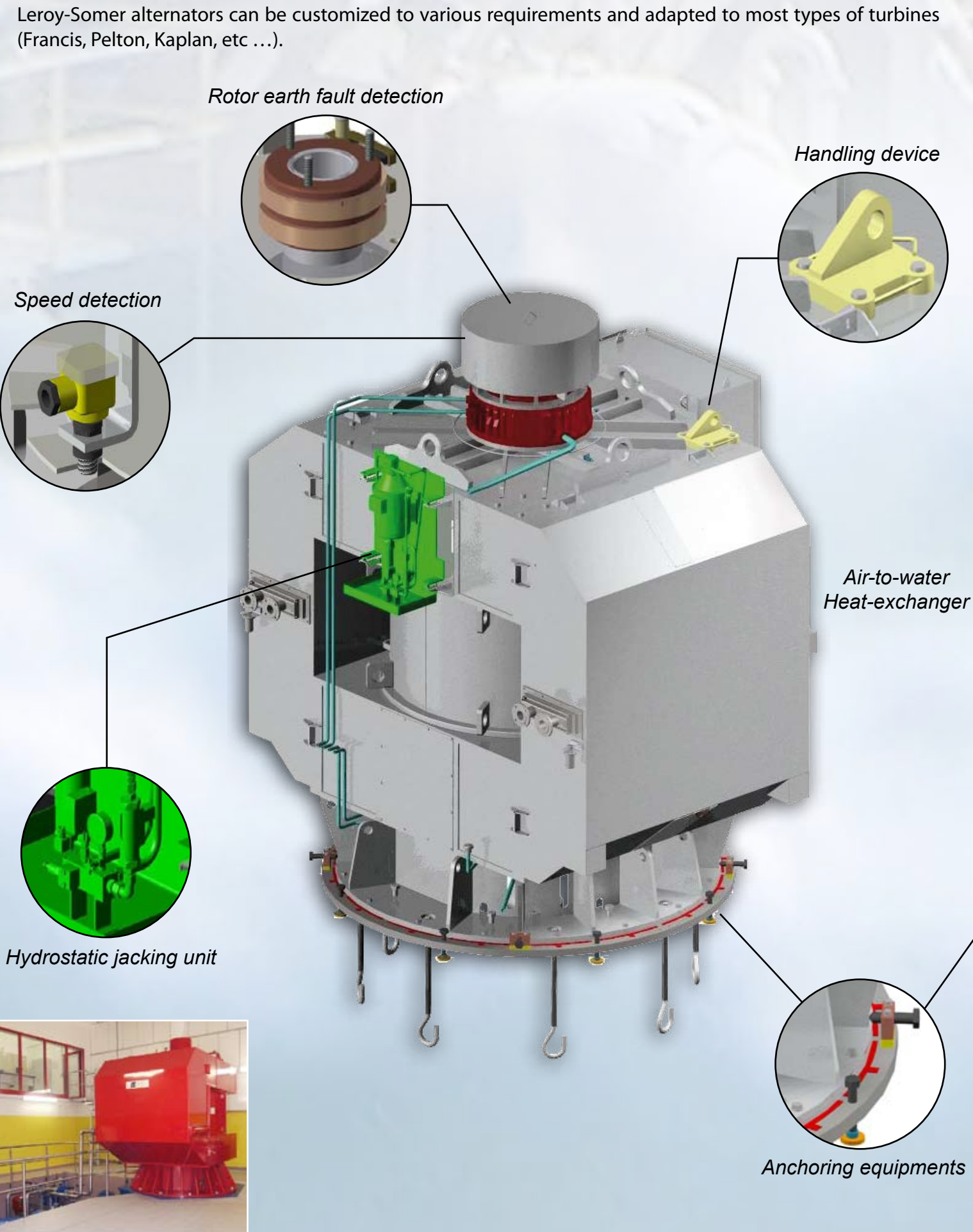
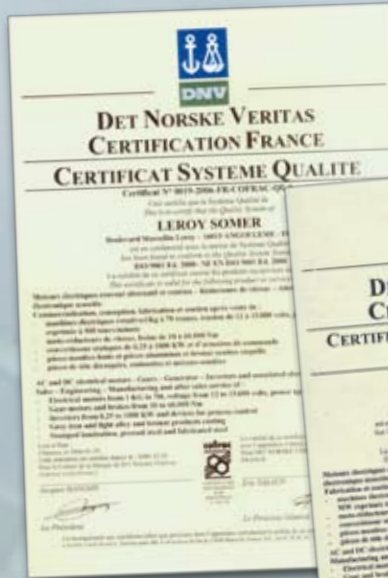
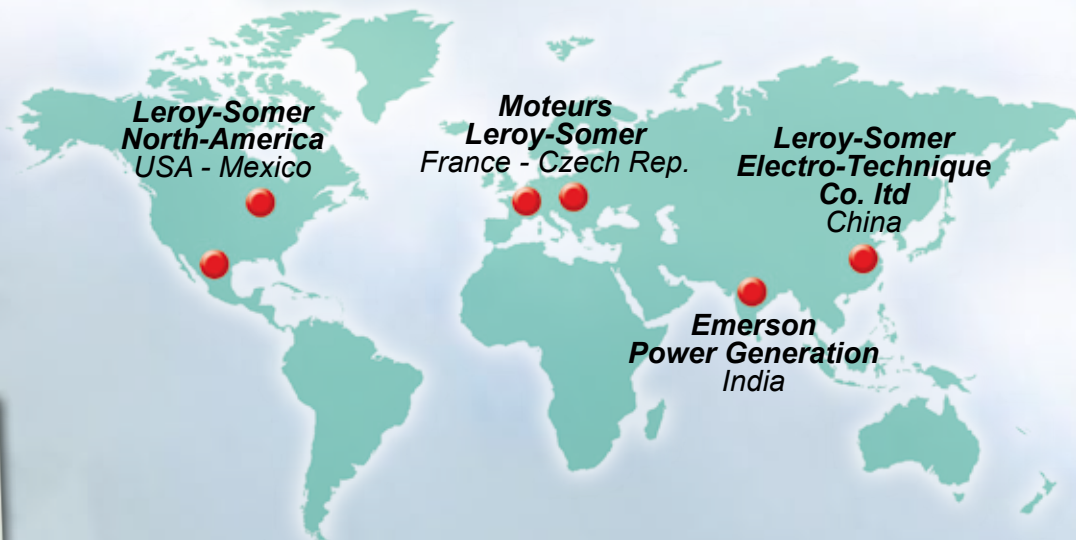
500 to 17000 kVA

Worldwide generator specialist

Leroy-Somer is the specialist in electrical rotating machines and generators, including low, medium and high voltage, for powers up to 20 MVA. At the heart of energy production plants our generators ranges are the result of 90 years experience in manufacturing rotating, electrical machines.

Innovation, mastering of technologies, product reliability, compliance with environmental directives as well as our close service organisation make Leroy-Somer the global leader in generator technology.

The rapid growth in energy needs is a global reality, which is being met by Leroy-Somer, in the strictest compliance with environmental directives. Leroy-Somer is ISO 14001 and ISO 9001 certified.



- Synchronous generators from 500 up to 17000 kVA
- Voltages from 400 V to 15000 V
- Class H insulation with F or B temperature rise
- Air or Water cooling
- Sleeve or antifriction bearings
- Horizontal or vertical mounting
- Built in compliance with various international standards such as IEC, NEMA or CSA
- Wide range of accessories available on request
- Oil forced lubrication unit (when necessary)
- Specific tools

