

CompanyManufacture of
Electrical Machinery,
Equipment and Supplies**KITASHIBA ELECTRIC CO., LTD.****KITASHIBA****Basic Information**

Representative	Yoshitomo Kanno, President and Chief Executive Officer		
Address	9 Tennohara, Matsukawa-machi, Fukushima City, Fukushima 960-1292		
Capital	¥1148M	Employees	727
Telephone	+81-24-534-2121	Fax	+81-24-537-2123
Website	http://www.kitashiba.co.jp		
Affiliated Companies	Toshiba Corporation		
Major Clients	Toshiba Corp., Tohoku Electric Power Co., Inc., TMIEC, Calsonic Kansei Corp., local companies and local governments in Fukushima Prefecture, and other corporations		
Contact Person	Mayumi Kamino , Group Manager, Marketing Division E-mail : mayumi.kamino@kitashiba.toshiba.co.jp		

Major Products / Technologies / Services

POWER SYSTEMS : Renewable Energy Systems (Solar, Hydro and Wind Power), Power Transformers, Vegetable Oil Transformers, Reactors, Distribution Panels, Step Voltage Regulators (Thyristor Voltage Regulators: TVRs), Digital Control Panels, Battery energy storage panels (SCiB), Brushless AC Exciters, Emergency Power Generation Systems, Coolers (Oil, Water, Air, Gas), Industrial Distribution Systems, Mobile Substations, Power Generating Systems, Oil Cooling Units, Air Cooling Units, Hydrogen Gas Cooling Units, SF6 Gas Cooling Units, Pure Water Cooling Units, Mounted Blower Cooling Equipment, Deionized Water Cooling Systems, Bearing Lubricators, Bearing Cooling Systems, Underground Substation Cooling Systems, **INDUSTRIAL SYSTEMS** : Induction Furnace, Small induction furnace for experiment, Foundry Operation & Energy Management System, Heating machines (Bar Heater, Edge Heater)
MOTOR SYSTEMS : For Automotive Applications (Blower Motor For Air Conditioners, Fan Motor For Radiator, Valve Motor)

Business Conduct in the Field of Renewable Energy**Introduction**

KITASHIBA ELECTRIC CO., LTD. has been the only heavy electrical equipment manufacturer in the Tohoku region (the northeastern Japan). On that account, we have made a substantial contribution to development of social infrastructure for over 70 years since its inauguration. The company's slogan, "KITASHIBA Links the Energy" is held up as our motto. Moreover, we will keep contributing to the society for its steady growth by promoting renewable energy industry, as well as creating both energy-saving and environment-friendly products.

Count on KITASHIBA! We are the group of professionals for innovating renewable energies and system interconnections.

Areas of Interest

Photovoltaic	Smart Community
Wind Power	Ground-Source Heat
Hydropower	Storage Batteries
Biomass	Hydrogen Energy
Others	

Track Record

- A set of hydraulic power generating system –Delivered
- S set of solar power generating system – Delivered
- Incoming and transforming system for wind power generation system – Delivered
- Intermediate transformer for hydraulic power generating system – Delivered
- Development of thyristor voltage regulators (TVR) (reverse-power flow corresponding type)
- Development and delivering of canola oil-immersed transformers



[Industry-Academia-Government Collaborations]

- Promoting for commercialization of "Fukunokaze", a compact wind power generator (with Fukushima University, Consortium)
- Development of advanced heat exchange technology for effective hydrogen energy storage (with National Institute of Advanced Industrial Science and Technology)

Suggestions & Proposals

- Joint research for energy-monitoring system, visualization and simulations for optimization of power consumption in factories.
- Simulations for optimization of demand contract electricity by power storage system using storage batteries.