



Where vision meets reality.

Next Energy & Resources is determined to bring the distant vision of a sustainable society to the near future.

Top Message



Since our founding, we have continually taken on new efforts in the solar power generation field with a business focus of simply “popularizing renewable energy”. Right now, the world is at the crossroads where energy starts to be converted from fossil fuels to renewable energy. Starting with the Paris Agreement on climate change, concrete efforts to prevent global warming are accelerating all over the world. Backed by these efforts, the Japanese government is also making major policy changes to popularize renewable energy, and we expect the market to change in shape as it rapidly expands in the future.

The knowledge and technology that we have gained up to now is a solid base to take on the huge market that will be built in the future. This includes not only efforts involving new solar power generation facilities, but also efforts to improve the value of existing solar power generation facilities (by maximizing the amount of power generated) and secondary markets (such as the buying and selling of existing solar power generation facilities). We are confident that this will be a driving force to realize the popularization of renewable energy. The principle of “profit in duty” is a part of our management philosophy. “Duty” means morality, meaning, and a moral way of life, and “Profit” means benefits and losses and gains. Our “duty” is to popularize renewable energy and realize a sustainable society.

Our “profits” are the gains made from our business, which naturally result when the significance of our renewable energy business and the meaning of our existence are recognized by society. In other words, “Profit in duty”.

By first doing our “duty” and “profiting” from it, and growing as a company, we intend to move society in a better direction through our business activities.

We only do work that leads to the “popularization of renewable energy”.

We will earn reasonable profits from this work. This is the “Profit in duty” that we aim for. As we achieve this, we will overcome any problems, stick to our goals, and continue to push forward to “evolve and improve society”, which is our original business mission.

Thank you for your continued support and guidance.

Atsushi Ito, President and Representative director

Outlook of Next Energy

To realize a sustainable society, we are always focused on the future. We are not satisfied with the present and are always thinking about what to do next and what is necessary.

Realizing a distributed-energy society centered on solar power generation

The environment that surrounds our current energy society is showing substantial changes. For example, there is an increase in demand for home-use facilities because of facilities for which feed-in tariffs (FIT) have ended and rising renewable energy charges.

Looking at this societal context, it is inevitable that there will be a demand to transition from the current large-scale centralized model to a distributed-energy society in which renewable energy, particularly solar power generation, will become commonplace.

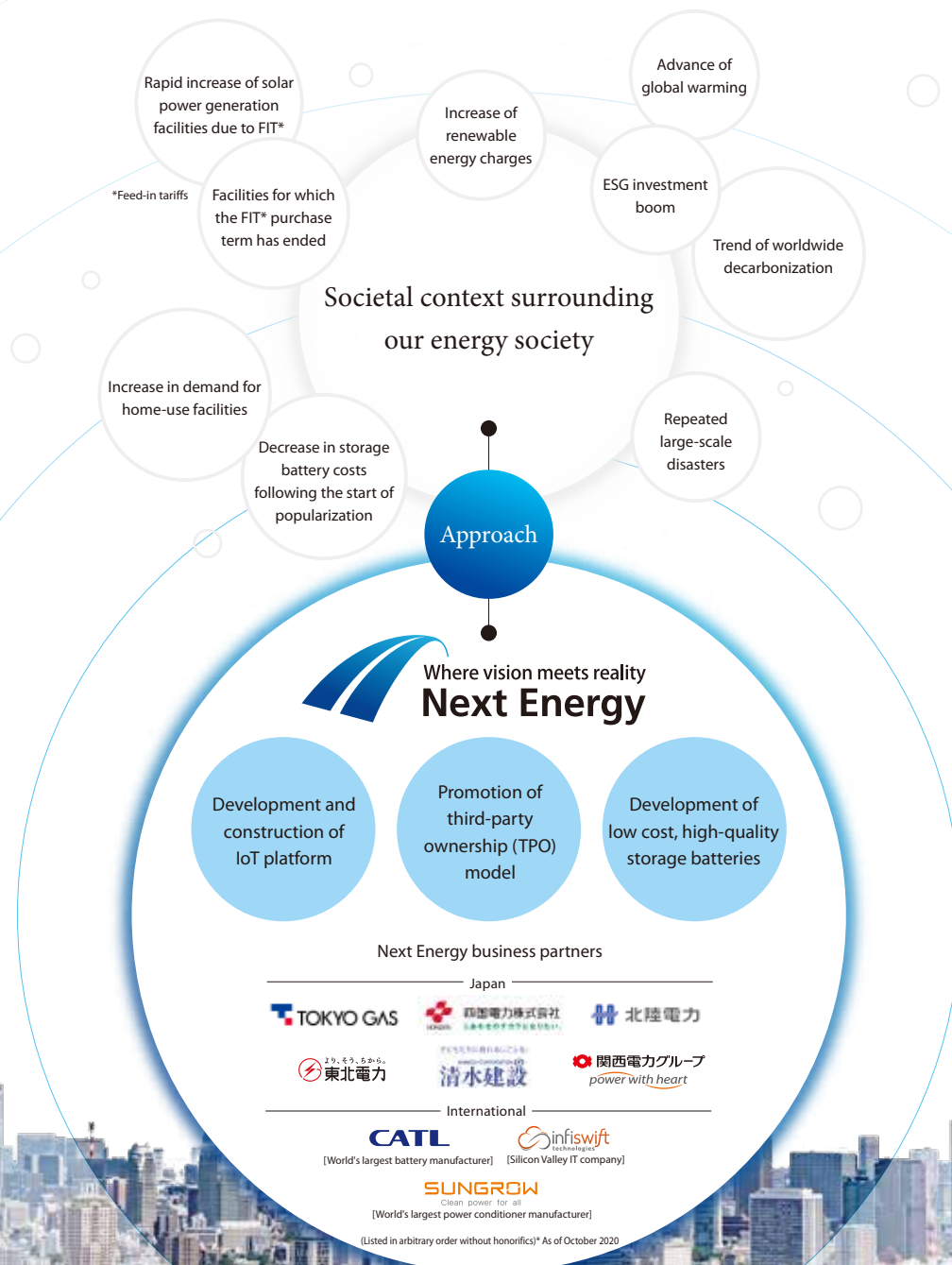
Towards a utility-pole free world

An issue with renewable energy is the instability of supply due to weather and other factors. To supplement this, there is an advancing shift to a shared “distributed-energy society” that links generation facilities and storage batteries scattered in various places with advanced supply and demand estimations and high-speed control.

By developing and constructing IoT platforms, developing lower cost and highly reliable storage batteries, and promoting a third-party ownership (TPO) model that enables the introduction of solar power generation systems for home use with zero initial investment, we are maximizing the value of distributed energy resources and accelerating its effective application.

To further support these activities, we are cooperating with many utility businesses.

By multiplying the networks and strengths of each company with the knowledge we have gained, we contribute to the realization of a distributed energy society.



Development and manufacturing of solar power generation system components

From essential components such as solar cell modules, module installation stands, and power conditioners, to O&M related equipment and electricity storage systems, we have been involved in solar power generation for over 15 years and use the unique data and abilities we have gained to guarantee quality while carrying out OEM/ODM production as a fabless manufacturer.

Solar cell module reuse

Based on our abundant data and knowledge, we are also engaged in the reuse business to find and sell only reliable used modules using our benchmark "REBORN technology".



Off-grid (independent electricity storage) solar power generation system

We design, develop, and sell off-grid (independent electrical power) solar power generation systems as independent power supplies, such as power supplies for low-power use in homes and businesses, emergency power supplies, onboard power for RVs, and solar streetlights.



GREENa*

Issuing renewable energy certificates

We issue renewable energy certificates that certify the portion of the environmental value that has electrical power generated from reusable energy. By distributing renewable energy certificates for used electrical energy, it can be considered as the use of electric power from renewable energy.



Supply of CO₂-zero electric power

We offer the electric power retail service "GREENa Electricity", which has two plans: the "GREENa standard" CO₂-zero electric power plan and the "GREENaRE100" plan to supply electric power from 100% renewable energy for individuals and corporations.

GREENa
自然エネルギーと生きていく。

オフグリッドソーラー
ff-grid

REBORN
TECHNOLOGY

Businesses related to industrial solar power generation

Construction of large-scale electricity selling solar powered generation locations

We meet all needs related to the introduction of large-scale, aboveground industrial solar power systems, such as "Mega Solar", which aims to sell electricity by the feed-in tariff (FIT) system. From design to construction, we supply complete support, including the drafting of business plans and the selection and procurement of system components. We also do construction on land with difficult conditions through use of our uniquely developed pile-driving attachment "Next Piler" and our aboveground installation stand "Musashi" for rough slopes.



Introduction of solar power generation systems for home use

From design to construction, we supply total support for the introduction of home-use solar power generation systems focusing on the third-party owner (TPO) model, which has no initial investment costs. We supply energy management solutions that help improve business value through the reduction of electric power procurement costs and CO₂.



O&M service

We support the management of power generation facilities through periodic inspections and emergency responses. In addition, we supply panel cleaning and other services for power generation and O&M service operators to maximize the amount of power generated, reduce maintenance and management costs, and improve property values.



Businesses related to home solar power generation

Selling of system components (sales of goods)

We obtain and sell solar power generation system components and electricity storage systems, including our in-house manufactured goods. We support the introduction of solar power generation facilities through a full product lineup and complete warranty system.



Dulight

*Our electric power retail business (GREENa) was taken over by our wholly owned subsidiary GREENa from September 2020.

Our Company

We will popularize renewable energy and contribute to the construction of a sustainable society.

Next Energy & Resources will continue to progress while deepening relations with partner companies.

2023

2021

2020

2019

2018

2017

2015

2014

2013

2012

2010

2009

2008

2005

2003

- December Established as a total support business for using renewable energy.
- October Launched a recycle and reuse business for used PV system equipment (first in Japan).
- June Opened a sales website for Tradable Renewable Energy Certificates.
- June Opened a sales website for stand-alone PV system equipment.
- March Announced establishment of a recycling energy services network. Full-scale start-up for green energy supply services.
- February Opened a website for renting PV systems.
- November Launched Maintenance Services for efficient and effective maintenance for solar power businesses.
- July Reorganized to Next Holdings.
- June Acquired VEGLIA Laboratories Inc.
- Acquired ISO 9001:2008/JIS Q 9001:2008 certification.
- November Launched electricity retail business as a PPS with 100% renewable energy brand, GREENa.
- August Established Next Energy Technologies (Shanghai) Co., Ltd. in China.
- December Selected as a "Company Driving Regional Growth" in Nagano Prefecture by the Ministry of Economy, Trade, and Industry.
- December Entered a contract related to cooperative industry with the American company Infiswift Technologies and regularized the development of an IOT platform.
- June President and Representative director Atsushi Ito was selected and inaugurated as Director of the Japan Photovoltaic Energy Association (JPEA).
- Formed a capital alliance with Tokyo Gas and entered a joint development contract for IOT platform control systems.
- July Entered a business partnership related to the development and sales of storage batteries with the Chinese company Contemporary Amperex Technology (CATL).
- Entered a capital alliance with Shikoku Electric Power Company for the further popularization and expansion of distributed energy resources.
- November Entered a business partnership related to the development and sales of industrial storage batteries with the Chinese company Sungrow Power Supply Co., Ltd.
- Entered a capital alliance with Hokuriku Electric Power Company for the further popularization and expansion of distributed energy resources.
- January Received the first certification in Japan as a reusable energy provider and entered a partnership with CDP, an international NGO.
- July Entered a capital alliance with Tohoku Electric Power Company to promote the creation of new businesses using distributed energy resources.
- Entered a capital alliance with Shimizu Corporation to promote the popularization and expansion of reusable energy and environmental value businesses centered on non-FIT.
- September Formed a capital business partnership with the Kansai Electric PowerGroup.
- July Merge with Next Holdings Co., Ltd.
- November We have established Next Energy Vietnam Co., Ltd. in Ho Chi Minh City, Vietnam.
- December Toyota Tsusho Corporation and capital partnership.
- January Hayashiroku Co.,Ltd. and capital partnership.

Company overview

Name	Next Energy & Resources Co., Ltd.
Establishment	December 2003
Capital	100 million yen
Representative	Representative director Atsushi Ito
Permits, licenses, and registrations	Construction business permit, Minister of Land, Infrastructure, and Transport permit, Special-3, No. 27834 Secondhand dealer permit, Nagano Prefecture Public Safety commission permit No. 481252100019
Sales	20,543,600,000 yen (for June 2023 term)
Number of employees	247 (as of June 30, 2023)
Group companies	RenoBridge GREENa Next Energy Technologies (Shanghai) Co., Ltd.

CSR

Educational activities/environmental education

We hold short courses on fun, easy-to-introduce off-grid systems, and seminars related to CO₂ reduction by Eco-Action 21 of the Ministry of Environment for businesses in Nagano prefecture. In addition, we support lectures for the popularization and promotion of renewable energy and manage traveling courses about renewable energy and environmental issues for local elementary and middle schools at the request of the Komagane City Board of Education.



Management of powerplants serving the region

We built a reuse power plant that uses all old solar cell modules in Akaho, Komagane City, Nagano, where our head office is located. In addition to verifying the utility value of used modules, we manage the plant as a field-trip facility and use it for the environmental education of local students and others.

For safety, the living environment in the area, and regional crime prevention, we installed solar outdoor lights that turn on at night on the road in front of the powerplant. In addition, we also jointly built an off-grid system to prepare for disasters. During a power outage, the "Lively Exchange Center" (the district's designated evacuation site) next to the powerplant can cover some electricity use.

