

As an epoch-making think tank, we focus to develop the state-of-the art technology in the field of renewable energy. We are currently operating the following businesses:

- ▶ Consulting to introduce energy saving and generate solar power, wind power, small hydro-power, and biomass power
- ▶ Designing communities and architectural structures by effectively utilizing natural energy
- ▶ Design, develop, and market products with applications of solar power and LED, and provide advice according to objectives

1. Contents of the Business

Natural energy related performances

Example 1



Location: Hamanaka-cho, Akkeshi-gun in Hokkaido
Introduction of the first large-scale solar power generating facility for agriculture in Japan - completed in 2011

- **First solar power facility** in agricultural field in Japan
- Set up the solar power system capable of distributing a total of 1.05 MW to dairy farmers

The system was taken up by:

Hokkaido Newspaper in Feb. 5th morning edition in 2011
Kushiro Newspaper in Feb. 5th morning edition in 2011
Nikkei Industry Newspaper on May 16, 2011



Hokkaido Newspaper morning edition
on Feb. 5, 2011



Example 2



Large-scale solar powered passenger boat, "Sora", in Toyama City, Toyama Pref. Launched its service in 2009

- Designed a solar boat for 42 passengers for the first time in Japan
- Power generated by solar panels and stored in a battery on the boat.
- Currently operating in Fugan Canal Water Park
- Currently operating in Lion Island, Malaysia (2002)

Information on "Sora" is available on the website of Fugan Waterline



Solar Boat in Lion Island, Malaysia

2. Contents of the Business

Revitalizing Community related Businesses

Widespread promotion of Super Eco House (company's concept)
Create the business of Super Eco House

Results in Architecture

- Ota City of Gunma Prefecture
- Hokuto City of Yamanashi Pref.
- Sarujima of Yokosuka City
- Kirishima City of Kagoshima Pref. (completed in 2012)
- Other projects



Super Eco House in Ota City, Gunma Pref. completed in 2010



Super Eco House in Ota City, Gunma Pref. completed in 2006



Image of Super Eco House in Kirishima City, Kagoshima Pref. completed in 2012

3. Contents of the Business

Promoting Business by Conserving Energy

Seminars

Production and editing of training manuals



The photograph of a seminar



Training textbook (not for sale) for creating next generation models for new energy and conserving energy.

- We hold seminars and produce publications as well as receiving a grant from the government for the promotion of our long term project "Energy Saving House Utilizing Natural Energy".
- Training manuals we have developed are adopted this year by 9 cities designated by the ordinance as their school textbooks

4. Contents of the Business

Production and Promotion to Widespread Vegetable Factory

- Vegetable factory in Aokimura, Chiisagata -gun, Nagano Pref. is now in operation.
- The grown "sanche" is sold by the market in Tokyo, local Roadside Station, etc.



outside appearance of vegetable factory



inside of vegetable factory



product

In order to effectively utilize the solar generator and to be prepared for blackouts, we are currently developing a system of "solar + new type of battery + controller".