Japan’s first locally produced energy for local consumption

Aiming to create a self-sustainable city on solar energy
Introduction of Miyama, Fukuoka Prefecture

Miyama Overview (31. August, 2016)

- Population: 38,678 people
- Number of households: 14,213 units
- Population aging rate: 34.4%
- Land area: 105.12㎢
- Hours of sunshine per year: 2,066 hours (average value of the past 10 years)
- Percentage of households with solar systems: 8.9% (Nationwide 5.6%)
From local production for local consumption to city development

2 July 2013
The local government and private companies joined together for the development of the solar power plant (5MW)

Effective utilization of unused land

March 2014
Members meet up and start preparations for the establishment of the company

As part of regional revitalization, citizens and private companies are asked by the local government to create a city where people take responsibility, and use strategies that take into consideration the preservation of the environment. Miyama city is trying to build a city using their local natural resources, while improving the life of its citizens.
Redesign of integrated industry, government, schools and finance

Redesign of infrastructure

- Big data utilization
  - Network of distributing stored energy
  - Flexibility of renewable energy

Prior technological developments

Saving the environment

Electricity power + ICT

How to develop the city

There are some reusable energy spreading and environmental friendly activities held by private companies and groups of citizens in several places in Japan. However, this is the first activity in which a whole city participates. It is because of this high level of involvement, that the activity is highly admired by the regional government, companies and media.
Plans for regional problem solving

Structural problem (decline of the population) → Regional Issues → One solution → Start of energy based efforts

Ageing population
Poor financial resources
Outflow youth
No tourist resources
Unable to attract other companies

The establishment of Miyama Smart Energy Co., Ltd.

Notice:
In order to create involvement within the region it is important to provide citizens with a forum.

With the help of citizens it is possible to solve the social problems.

Enjoyable, rewarding and challenging
Designed for people to hold meetings, a place where new opportunities are born.

The opening of the information centre "Sakura Terrace" is the starting point of the 6th stage, which is the sharing of information
From local development in Miyama city to nationwide development all over Japan

From all over Japan around 150 governmental communities come to see what we are doing. (We can learn from the German government by interacting and sharing ideas) From this moment onwards we will cooperate with other governmental units and will try to solve common problems.

Cooperating with other governments within Kyushu

Sharing reusable energy with Tokyo
Suggestions from educational activities

Each junior high school from the city were asked to teach a class about Miyama city’s latest urban development. Furthermore, theses classes will continue to be taught at elementary schools and junior high schools.

(Questions from students)
The smart community in Miyama city is aiming to continue each effort and development.
Please come to Miyama, Fukuoka Prefecture (Kiten to Miyama♪)

Thank you for your attention

Miyama Homepage http://www.city.miyama.lg.jp/