

Super energy-saving vegetable factory with hydroponics technology



Recycle One,inc.
Director Daisaku Honda



www.recycle1.com

About Recycle One.inc.



Company Name : Recycle One, inc.

Address : 3-10-13 Shibuya Shibuya-ku, Tokyo 150-0002

Date of establishment : 5/30/2000

The capital : US\$11,375,000

Number of employees : approx. 89

Turnover : approx. US\$ \$38,750,000

Business domain :

Environmental Consulting Service

Soil Treatment Service

Carbon Offset Service

Plastic Recycling Service

SASSO super energy-saving system for hydroponics



Heat pump



Cold water

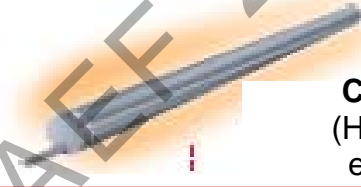
15°C

Hot water

60°C

Thermal conversion facility

Only the root zone of the plants is supplied with heat and cold energy, the consumption energy can be cut.



Conduction tube
(High effective heat exchange device)

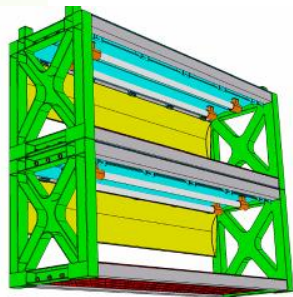
Heat energy

Cold energy

Solar Power
[solar panel]



Electricity



Rack from recycled plastic



Hydroponic culture system



Vacant warehouse including facility of greenhouse horticulture

SASSO super energy-saving system for hydroponics

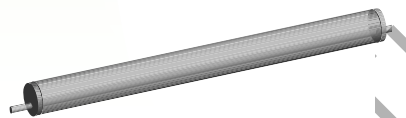


SALES PRICE ABOUT US\$860,000 with 1,000m²

Overview of element technology

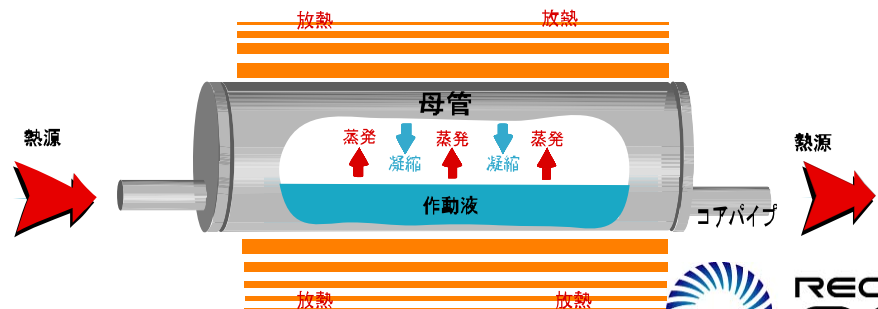


- The Conduction tube has a special liquid and, having good thermal conductivity, can maintain constant heat temperature from end to end.
- Hydroponics, with maintaining root zone temperature at 22 , enable plants to grow faster and increase the amount of production.
- Energy can be **saved 40%** compared to heating the entire greenhouse.
- Using modularized rack by recycled plastic instead of aluminum frame in the vegetable factory keeps **cost low to 1/6**.



Conduction tube
(High effective heat exchange device)

Cross section



RECYCLE
ONE

Connex vegetable factory for raising seedling(SASSO)



SALES PRICE ABOUT US\$620,000 with 40feet size

Demonstrational cultivation in UAE



Achieve self-sufficiency of food in desert areas



Construction Area

View of construction of the cultivation house



Completed cultivation plant



Cultivation plant by local manufacture



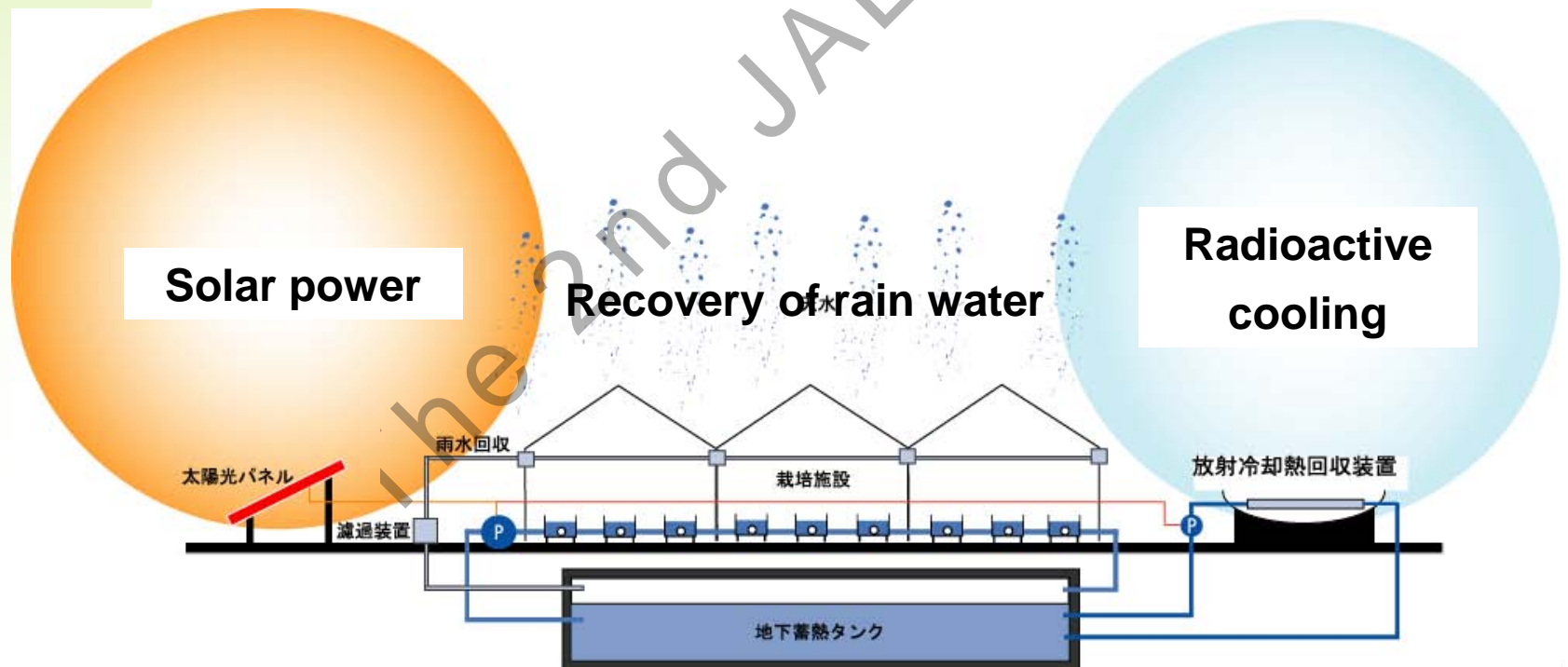
2010/2/7

Concept of New energy-independent vegetable factory



SALES POINT

- Consuming less water by recovery water system
- Electricity supplied by solar power
- Heat supplied by radioactive cooling





Thank You !

< Please Contact me! >

3-10-13 Shibuya Shibuya-ku, Tokyo 150-0002 Japan

Recycle One, inc.

Director Daisaku Honda

+81-3-5774-0600

honda@recycle1.com



RECYCLE
ONE