



Solar Powered Irrigation System

Introduction of Product/Technology

1. An electric pump can be operated using renewable energy to pump water from wells and rivers to grow crops
2. Compact system which does not use batteries is easy to install and has almost no maintenance
3. Implementation of irrigation system combined with water storage tanks

Product/Technology Keywords

- PV system , Irrigation

Company Overview

- Capital: 10 million
- No. of Employees: 35
- Year of Establishment: 1988
- Overseas Expansion: SENEGAL , NIGER
- Awards & Recognition: NA



Proposal for expanding to Africa



1. Drought countermeasures are necessary for stable agriculture
2. Ensuring water for growing crops in areas which does not have a provision for irrigation
3. Systems using renewable energy protects the environment and promotes agricultural production simultaneously
4. Private business in Senegal and Niger have started.

For details : https://drive.google.com/drive/folders/1tJU18sOP_F4UOJOq49-l7mqJdyATCdhf?usp=sharing

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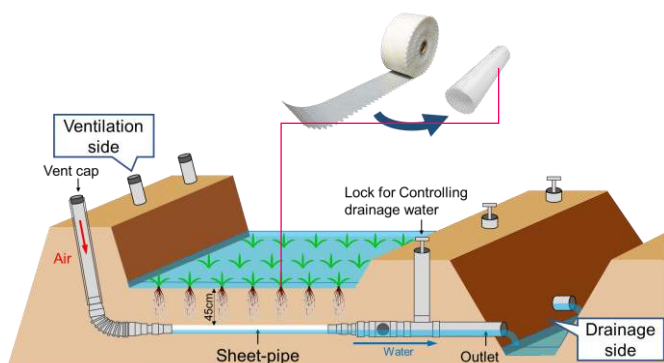


Kyouwa Corporation

System for improvement of drainage of agricultural land (Sheet-pipe System)

Introduction of Product/Technology

Improves drainage system of agricultural land by laying a special drainage pipe (Sheet-pipe) directly underground without excavating the soil, using a dedicated heavy machine (MOLE DRAINER). Compared to the conventional underground drainage method for agricultural land, it excels in functionality, workability, economy, as well as contributes to improving the yield of agricultural products.



Product/Technology Keywords

Agricultural land improvement,
Increased production

Company Overview

- Capital: 60 million JPY
- No. of Employees: 131
- Year of Establishment: 1949
- Overseas Expansion: Indonesia
- Awards & Recognitions: Yamaguchi Prefecture Industrial Technology Promotion Encouragement Awards the "Yamaguchi Prefecture Governor's Award"

[Effectiveness]

1. Agricultural land can be well-drained quickly
 - Implementation of planned agricultural mechanization
 - Improvement of wet field
 - Possibility of crop diversification
2. Improved quality of crops (15%-20% more yield)
3. Salt removal through leaching method (using natural rainfall)
4. Increased yield by multiple cropping
5. Synergies through componentization with other technologies

Proposal for expanding to Africa

1. Drainage improvement of agricultural land in hot and rainy areas
 2. Measures against salt damage on farmland in arid areas
 3. Countermeasures for the impact of climate change on cultivation planning
- In order to resolve these issues, we are proposing for cooperation with local partners to develop business for the governmental procurements.

For details: <http://www.kyouwagrp.jp>

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KOKEN BORING MACHINE CO., LTD.

System for groundwater
purification plant (remote
monitoring system)

Introduction of Product/ Technology

By using groundwater from the wells, it is possible to reduce water bills and purify water through plants to maintain a safe, secure, and stable water supply. In addition, 24 x 7 troubleshooting is possible through remote management system.

Product/Technology Keywords

- Water charges reduction, remote management

Company Overview

- Capital: 1,165,415,503JPY
- No. of employees: 230
- Year of Establishment: 1947
- Overseas Expansion: Water supply facilities through ODA
- Award & Recognitions: NA



Remote
Management



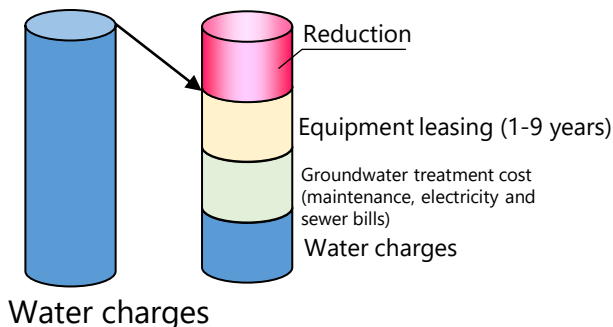
Groundwater purification
plant

Proposal for expanding to Africa

The installation of a groundwater plant system in factories, hospitals, hotels and other facilities, which are severely affected by interruptions in water supply, ensures stable water supply.

And the remote management system can detect a drop in water level and deterioration of groundwater quality beforehand.

Before installation After installation



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Matsuyama Co., Ltd.
(Matsuyama Plow Mfg.Co.,Ltd.)

Agricultural machinery for
rice and upland crops
cultivation (Rotary tiller, tiller
implement, levee plastering
machine)

Introduction of Product/Technology

As a leading manufacturer of agricultural machinery, we have been engaged in the development and commercialization of new agricultural machinery since our establishment and have contributed greatly to the modernization and labor saving in Japanese agriculture. We will continue to work with farmers for the future of agriculture.

Product/Technology Keywords

■ Agricultural Machinery

Company Overview

- Capital: 100 million JPY
- No. of Employees: 315
- Year of Establishment: 1902
- Overseas Expansion: NA
- Awards & Recognition: NA



Proposals for expanding to Africa

- Reversible plow enables round trip tillage.
- Huge tractive force is not required and deep plowing can be done even with less horsepower
- The differential motion of the blades leads to good soil inversion. With the plow adjustment feature, the plow reach places which are difficult to reach and soil can be perfectly plowed.



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Tottori Resource Recycling, Inc.

Water-saving agricultural technology by foaming used glass "Porous Alpha"



Introduction of Product/Technology

By mixing Porous Alpha with dry soil, the yield can be increased while reducing the amount of irrigation by 50%. The numerous pores in Porous Alpha retain water and liquid fertilizer in the soil, thus improving water retention the capacity of the soil. Just mix 5-10% of it into the soil and no special machinery or maintenance is required. The effect lasts for more than 10 years and can easily improve agricultural productivity.

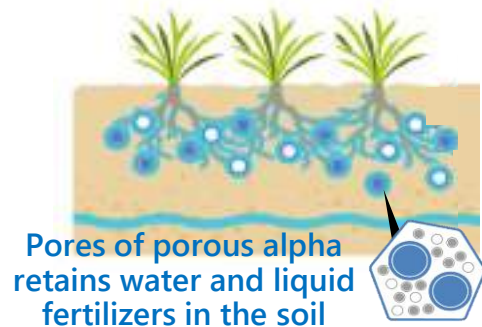
Product/Technology Keywords

- Water saving in agriculture, glass recycling

Company Overview

- Capital: 40 million JPY
- No. of Employees: 6
- Year of Establishment: 2001
- Overseas Expansion: 14 countries including Morocco and South Africa
- Recognitions & Awards: Excellence award in 8th Monozukuri Nippon Grand Award

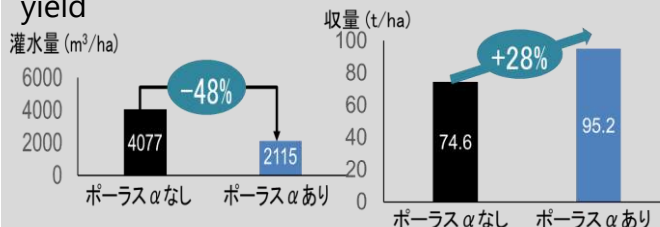
Mechanism



Proposal for expanding to Africa

Tomatoes in Morocco

50% reduction in irrigation, 28% increase in yield



[Used as a water-saving technology in agriculture]

Water can be saved and yield can be increased in the following crops

Vegetables (tomato, asparagus, spinach)

Fruits (dates, grapes, oranges, peaches)

Lawn (golf course, hotel landscape, etc.)

[Establishment of glass recycling plant]

Porous Alpha can be manufactured worldwide using used glass

For details: <https://www.t-rrl.jp/>

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SUGANO

LISTEN TO THE SOILS

System to improve soil environment

Introduction of Product/Technology

As the roots grow, healthier crops grow, allowing for increased and stable yields. When the organic matter is plowed deeply using a plough together with solar heat and air, it humidifies the soil, thereby increasing the space for microbial activity. Subsoiler and plowsoiler crush and soften the soil even more deeply to increase oxygen content and promote drainage. More organic matter is returned to the soil than the harvested fruit. This cyclical farming method and the expansion of the root area are the basis for sustainable agriculture.



Subsoiler



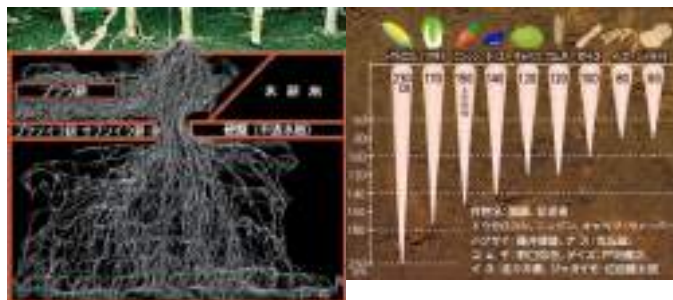
Reversible plough

Product/Technology Keywords

- Increased crop yield

Company Overview

- Capital: 156 million JPY
- No. of employees: 177
- Year of Establishment: 21st February 1917
- Overseas expansion: Mongolia, Malaysia, Brazil, Thailand, etc.
- Awards & Recognitions: Awarded the Minister of Education, Culture, Sports, Science and Technology Award for the development of the plow



Proposal for expanding to Africa

Subsoiler: Promotes root growth and avoids drought. Capillary action allows water to rise and avoid water shortage, which helps in maintaining a good soil environment.

Plough: Promotes soil preparation by inversion plowing of organic matter and deep tillage. Deep tillage expands the growing range of roots. Inversion and ploughing increase the fertility of exhausted soil by providing organic matter and compost. It allows the soil to rest and preserve in lower layer.

For details: <https://www.sugano-net.co.jp/>

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Nippon Biodiesel Fuel

Electronic agricultural cooperative infrastructure applications (Agroponto)

Materializing TICAD 7 Africa Innovation Platform



Introduction of Product/Technology

We develop smartphone apps for organizing small-scale farmers, improving market access, and the livelihoods in Ribaué, Nampula, Mozambique. We focus on expanding same model to Senegal, South Africa, and rural areas of other countries.

We aim to bring behavioral change in farmers by visualizing their efforts. We build a reliable agricultural value chain with good partners, that will visualize the issues in the food value chain and enables government and international organizations to implement evidence-based agricultural development policies and to measure the effectiveness of the policies.



Product/Technology Keywords

- Android Application

Company Profile

- Capital: 50 million JPY
- No. of Employees: 25
- Year of Establishment: 2000
- Overseas expansion: Mozambique
- Awards & Recognitions: WIRED Audi INNOVATION AWARD 2017/50
- Japanese who moved the world (Nikkei Business, Feb 4, 2019 issue)



Proposal for expanding to Africa

Companies dealing in agricultural equipment and seeds: They can get material to consider expansion to Africa.

Distribution companies: Information on distribution and demand can be obtained through the trading of agricultural products and agricultural material.

Food related companies and wholesalers: They can purchase crops for which producer information is available.

Government and international organizations: Information that contributes to policy formulation, decision making, action, and evaluation can be obtained.

Small scale farmers: Easy management of partner information, aggregation of farm products shipment and the material purchase will enable sales and purchase with high bargaining power.

For details: <http://www.nbf-web.com>

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**Kanryu Industries
Co. Ltd.**

Rice huller and miller, stone
picking machine

Introduction of Product/Technology

Model: VSRH1562E

It is a product of Kanryu Industries Co. Ltd. and is the best-selling machine which has a history of over 90 years in Japan. The use of an impeller removal system leads to a high yield (more than 90%). It is possible to do step-less adjustment of the rice milling ratio through the dial. Efficient sorting of rice husk and bran enables effective utilization. It is small in size and therefore ideal for use in villages in regions where rice is grown and for individual farmers.



Product/Technology Keywords

- Rice huller and miller, stone picking machine, rice lifter

Company Overview

- Capital: 90 million JPY
- No. of Employees: 40
- Year of Establishment: 1925
- Overseas Expansion: Thailand, Bhutan, Ghana, Afghanistan
- Rewards & Recognitions: NA



Proposal for expanding to Africa

Model: Skelton A-1 & ST-102S

A model that has been used in Japan for many years has been substantially improved for emerging markets at a lower price. It has a simpler structure and is specifically designed for long grain rice. A small stone remover machine has also been developed to remove stones and other foreign substance, contributing to the high added value of milled rice.

For details: <http://kanryu.com/en/>

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Nasa Corporation Japan

Quality improvement of specialty tea

- **Cylindrical type withering machine**
- **Composite Tea Dryer**
(Parching , drying and roasting)

Product/Technology Keywords

- Tea Processing Machine

Company Overview

- Capital: 17 Million JPY
- No. of Employees: 42
- Year of Establishment: 1980
- Overseas Expansion:
- Nasa Corporation (Taiwan)
- Nasa Corporation (China)
- Nasa Deutschland(Germany)
- Awards: African Fine Coffees Association Award

Introduction of Product/ Technology

Cylindrical type withering machine,
Brings out the flowery and fruity scent and therefore adds value to the product (tea).
Composite Tea dryer machine can be used for making high quality green teas, oolong tea, and black teas with parching, drying, and roasting is done by one unit. Each machine has built-in sensors to control the product. By installing this machine, the operation can be automated as well.



Proposal for expanding to Africa

The cylindrical withering machine was used in the innovative technology demonstration project of the Ministry of Agriculture, Forestry and Fisheries of Japan.
This machine had won a prize at the Japanese Tea Award and other events.
Our technologies will help in the prosperity of specialty teas industry in Africa.



For details: <https://fuso-int.com/>

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Shinmei Co. Ltd.

"Food Value Chain Traceability Technology with QR code, RFID (IC) Tags, Readers and Printers" Traceability Printing System

Introduction of Product and Technology

We provide a comprehensive solution to build traceability in safe and secure food value chain with our Independently developed direct thermal printers and "traceability printing system" utilizing RFID (IC) tags, QR codes, and the cloud.

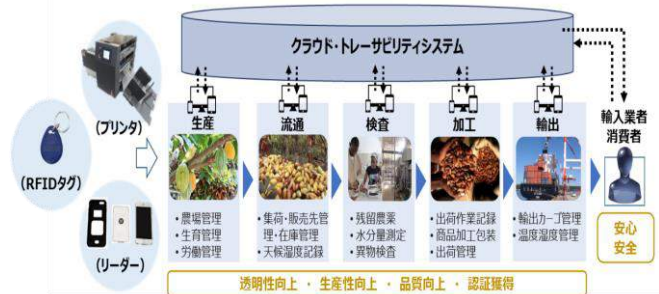
. We aim to contribute to the development and strengthening of safe and secure food value chain for exporting and importing countries around the world.

Product/Technology Keywords

- Traceability Printing System QR Code RFID (IC Tag)

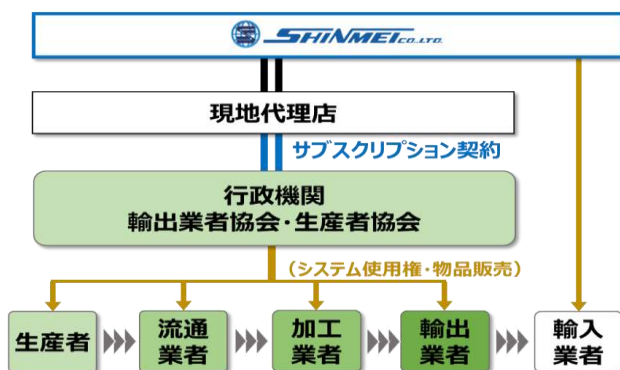
Company Overview

- Capital: 42 million JPY
- No. of Employees: 67
- Year of Establishment: 1964
- Overseas Expansion: 18 business locations
- Awards & Recognitions: Japan Pack Awards at Japan International Packaging Machinery Exhibition (2011), Executive Chairman Award at Japan International Packaging Machinery Exhibition (2009)



Proposal for expanding to Africa

SDGs, safety, security, and trust are key factors for continuously improving the value of a country, industry, and company. One way to achieve these in the food industry, which is one of the most important industries in Africa, is to promote the dissemination of information through traceability. We aim to contribute to the continuous improvement of value to the people of African countries through the establishment of a safe and secure food value chain.



For details: <https://www.co-shinmei.com/traceability/>

Contact us: Mr. Manabu Kayama, Traceability Division, Shinmei Co. Ltd

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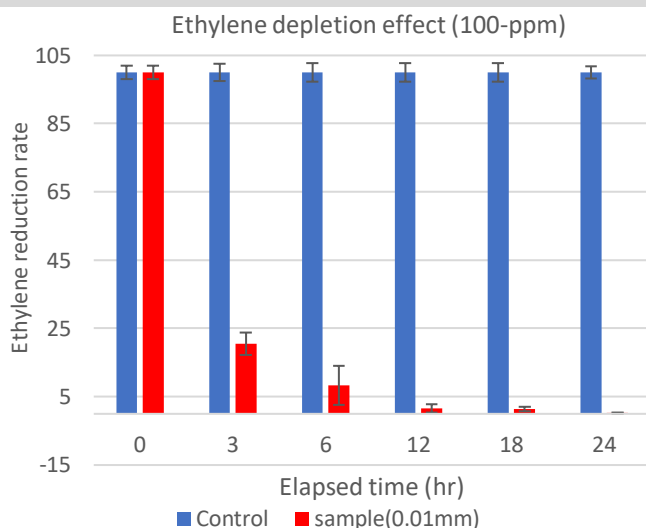


Nissan Steel Industry

Fruits and vegetables freshness retention sheets (Freshmama)

Introduction of Product/Technology

- Adsorption, decomposition and emission of ethylene gas from fruits and vegetables.
- Nano water inhibits the germination and growth of mold on the surface of the fruit.
- Maintains optimal carbon dioxide and oxygen concentrations inside the refrigerator and maintains optimal conditions.
- Continuous decomposing of ethylene gas for long term



Product/Technology Keywords

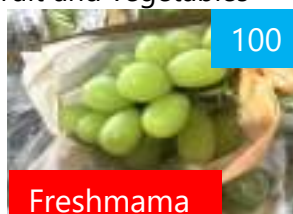
Freshness retention, food loss, ethylene

Company Overview

- Capital: 10 million JPY
- No. of Employees: 20
- Year of Establishment: 1989
- Overseas Expansion: India, ASEAN, Middle-East
- Awards & Recognitions: Kyoto SME Technology Award, Shiga Bank Nonohana Award SDGs Award, Kyoto Prefectural Federation of Commerce and Industry Innovative Technology Award



Freshness retention sheet for
fruit and vegetables



Other company MA Packaging

Proposal for expanding to Africa

[Solutions for challenges in African Countries]

1. Education of farmers (fruit production methods, handling methods, etc.)
2. Infrastructure improvement
3. Cold chain
4. Pesticide issues
5. Steam heat treatment
6. Sterilization cleaning process
7. Freshness maintenance technology (Freshmama)

We propose to maximize the export of African fruits and to raise the GDP by solving the above problems.

For details: <http://freshmama.jp/en/>

Contact us: Mr. Saori Watanabe, BESA Corporation, (International Agency)

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Kett**KETT Electric Laboratory**

Development and sales of grain moisture testers

Introduction of Product/Technology

We have developed measuring instruments such as moisture meter, NIR composition analyzer, grain discriminator, coating thickness tester, etc. Our instruments are used for quality maintenance and control, fair trade etc. Also, many of our products are used as Japan's standard measuring instruments. Riceter fg-512(as shown on the right) is a portable grain moisture tester that makes it easy for anyone to measure the moisture content of long and short grain rice, brown rice, and polished rice.

Product/Technology Keywords

■ Agriculture, Grain, Moisture, Quality

Company Overview

- Capital: 72 million JPY
- No. of Employees: 98
- Year of Establishment: 1946
- Overseas Expansion: Asia, Europe, America etc.
- Awards & Recognitions: Among list of 300 small and medium-sized promising enterprises released by Japan Society for Rice Quality and Palatability



Proposal for expanding to Africa



PM-650(ver6512) (as shown on the left) is a portable grain and seed moisture tester that can measure the moisture content of a sample in a non-destructive manner.

Multiple grains can be tested and are loaded with calibrations for various grains and seeds such as rice, soybean, corn, sesame, and teff. It has built-in thermometer and mass meter which automatically makes corrections for accurate measures. It is also possible to measure volume weight, which is an indicator of the fullness of the nut or seed. It is used in various areas, including grain handling facilities.

For details: <https://www.kett.co.jp/english/>

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Hyokan Co., Ltd.,

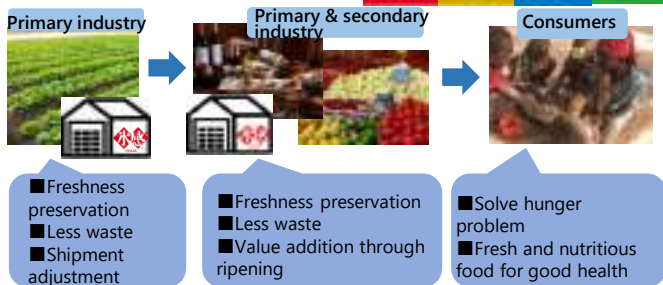
System for maintaining freshness and ripening of food (Ice storage)

Introduction of Product/technology

Hyokan technology is a technology that safely and stably adds 1) high voltage, 2) low current, 3) constant frequency electrical energy to conventional refrigeration technology, making it possible to maintain the freshness of vegetables, fruits, meat, fish and flowers by preventing freezing even at temperatures near the freezing point as well as by preventing oxidization and bacteriostatis.

Also, by storing it in a low temperature environment, proteins changes to amino acids, which makes it easier to retain flavors. (low-temperature ripening)

Hyokan (Ice storage) Cold Chain



Product/technology Keywords

Ice storage, freshness preservation, ripening

Company Overview

- Capital: 5 million JPY
- No. of Employees: 3
- Year of Establishment: June 2014
- Overseas Expansion: Taiwan, China
- Awards & Recognitions: Won grand prize in the business contest organized by BPC Kyoto National Convention



Proposal for expanding to Africa

Primary industry: Freezing the harvested agricultural products allows shipping adjustments and food loss reduction through long-term freshness preservation.

Secondary and Tertiary industry: Preserving agricultural products using hyokan technology (ice storage) leads to reduction of food loss and development of value-added products through low temperature ripening.

By establishing hyokan (ice storage) cold chains, all harvested agricultural products can be used as food, and at the same time, waste can be reduced, thus solving the food problems.

For details: <https://www.hyokan-supply.com/>

Contact us: Mr. Hirotaka Sakakibara, CEO

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Nippon Express

Product/Technology Keywords

- Logistics services

Global Logistics Services

About us

Company Overview

- Capital: 70.1 billion JPY
- No. of Employees: 34,449
- Year of Establishment: October 1, 1937
- Overseas Expansion: Presence in 48 countries
- Awards & Recognitions: N/A

Our global network comprises of 737 locations in 319 cities in 48 countries around the world. As a logistics company, we provide one-step solution which connects people and companies across national and regional boundaries by integrating different modes of transport, land, sea and air. We operate in five major regions including Japan, America, Europe, East Asia (further development is expected), South Asia and Oceania. We support global businesses with world's largest network.

Introduction of services in Africa

In August 2017, we opened our first branch office in Kenya, Africa. Subsequently, in December 2017, we opened a branch office in Morocco. We are building a network of partner companies in countries where we do not have branches, to accelerate business development in the African continent. The Kenya Branch focuses on the transportation of fresh flowers (roses) to Japan and the international transportation of infrastructure-related products to and from India. In Morocco, we provide international transportation of automotive parts to and from Europe and Asia, as well as warehousing services in bonded areas.

For details: [https://www.nittsu.co.jp/\(Japanese\)](https://www.nittsu.co.jp/(Japanese))

<https://www.nipponexpress.com/?link=top> (English)

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Sucrecube Japon Inc.

TUMIQUI Smart Kit

Introduction of Product/Technology

We are promoting TUMIQUI Project which will provide electricity and telecommunication to un-electrified villages in Africa.

In January 2020, TUMIQUI Japon SASU was established in Senegal. Under the slogan "Made in Africa with Japan", the company will develop TUMIQUI Smart Kit, a small solar power storage device, and install the Kits in clinics to ensure safe medical care. The manufacturing, sales, and maintenance are scheduled to start from 2021.



Product/Technology Keywords

- Solar power, telecommunication, light, portable

Company Overview

- Capital: 36 million JPY
- No. of Employees: 10
- Year of Establishment : 2018
- Overseas Expansion: Partnering with the Republic of Senegal Ministry of Health and Social Action to introduce the system to ten un-electrified village clinics
- Awards & Recognitions: Award of excellence in the third Nikkei Social Business Contest



Proposal for expanding to Africa

To deal with the challenges of electricity and telecommunication in un-electrified areas, TUMIQUI, which is portable and requires no installation work, is already available at clinics to help in delivering babies at night and use medical equipment. The kit can also be used in rural areas for early morning and nighttime lighting, and communication can also be established. One set of kit can provide both electricity and internet connections.

For details: <https://www.tumiqui.com>

Contact us: Mr. Miho Sato, Public Relationship Department
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SARAYA Saraya Co. Ltd.

Using slightly acidic electrolyzed water in food processing (Saraya SANISTAR)

Introduction of Product/ Technology

Chlorinated disinfectant (slightly acidic electrolyzed water) is dispensed during electrolysis as required. As compared to common alkaline chlorine disinfectants, it exhibits high disinfecting power at low chlorine concentration, therefore there is no problem of foul chlorine odor or corrosiveness. It is also registered as a food additive in Japan, and can also be used to sanitize a wide variety of foods, cooking utensils, floors as well as drain pipes.

Product/Technology Keywords

- Slightly acidic electrolyzed water

Company Overview

- Capital: 45 million JPY
- No. of Employees: 1800
- Year of Establishment: 1952
- Overseas Expansion: 29 business locations
- Award: Japan SDG's Award 2018



Proposal for expanding to Africa

Common alkaline chlorine disinfectants are distributed as a concentrated agent, therefore proper dilution is required before using them. In addition, it has low stability after dilution and the effective chlorine concentration can decrease due to temperature, time, and organic matter. Sanitizers that produces on-demand chlorine-based disinfectants which are digitally concentrated, are particularly recommended for the safe and secure provision of food in developing countries.



For details: <https://saraya.world>
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 Email : nakamuramamaro@saraya.com Tel: +81-6-6703-6336



Creation Core Corporation



Ota Agri-Fishery Improvement Group

Support for developing a series of systems for data acquisition through sensors, cloud transmission and smartphone monitors

Introduction of Product/Technology

We are developing a series of systems for data acquisition through sensors installed in plants, cloud data transmission and cloud data PC monitor.



Product/Technology Keywords

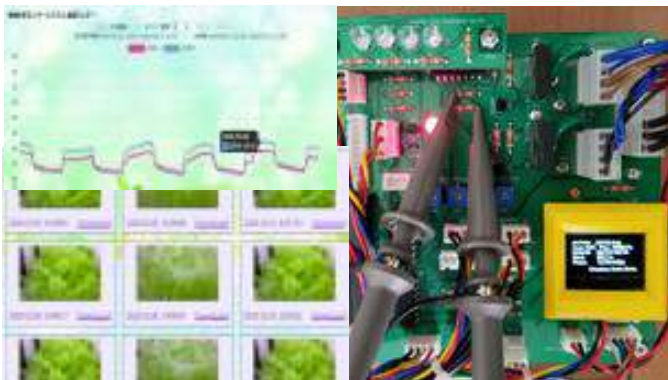
- Local production for local consumption, education support

Company Profile

- Capital: 1,000,000 JPY
- No. of Employees: 1
- Year of Establishment: 2013
- Overseas Expansion: None
- Awards & Recognitions: None

Proposal for expanding to Africa

In agriculture sector, we have been providing *local production for local consumption* support since 2020 to enable farming employees to develop a series of systems, including sensors, data cloud transmission and smartphone monitors.



For details: <https://www.creation-core.jp/>

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E-mail: yamawaki@creation-core.jp



Nouentai Co., Ltd.



Ota Agri-Fishery Improvement Group

IMEC System

Introduction of Product/Technology

IMEC system is a technique that uses IMEC film to grow quality tomatoes. IMEC film is a special film that prevents pathogenic bacteria and viruses. It is easy even for beginners to produce high quality tomatoes.

Product/Technology Keywords

■ IMEC System

Company Overview

- Capital: 1,050,000 JPY
- No. of Employees: 8
- Year of Establishment: 2009
- Overseas Expansion: Vietnam, Botswana
- Awards & Recognitions: Companies driving regional growth



Proposal for expanding to Africa

The system uses very less water, therefore it is the best to fit even for an environment with poor infrastructure. It is possible to adopt this system in Africa where water resources are scarce. Even the field is separated from land, the crops can be grown everywhere using the waterproof sheet.



For details: <http://nouentai.co.jp/>

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株式会社 共立理化学研究所
KYORITSU CHEMICAL-CHECK Lab., Corp.



Ota Agri-Fishery Improvement Group

PACKTEST

A water quality analysis tool that provides instant reading to anyone and does not require any technical skill in the field of water analysis. One can choose from more than 70 items to suit their need.

Introduction of Product/Technology

The semi-transparent tube contains a colored reagent. Pull out the line and draw in the water sample to be tested, like a dropper. After the designated time, compare the color with the standard color sheet and the number with the closest color is the concentration (mg/L) of the target substance in the water. Visual inspection is the easiest, but there are digital water quality meters as well that can quantify the reading if required.



Product/Technology Keywords

- Water quality analysis product

Company Overview

- Capital: 40 million JPY
- No. of Employees: 53
- Year of Establishment: 1952
- Overseas Expansion: Sales to China and South-east Asia
- Rewards & recognitions: 8 times winner of Ota New Product and Technology Contest, Excellence award of the Japan Society of Analytical Chemistry etc.



Proposal for expanding to Africa

In production, for example in the agricultural sector, fertilizer and water management is essential, and in the fisheries sector, water quality management is essential. In particular, depending on the water quality used at the production and processing sites, long-term storage, and distribution are possible. Products require clean water, manufacturing facilities and machinery must be constantly disinfected, and quality control can only be maintained if the concentration of disinfectants are well controlled. We hope that simple analysis will be used more frequently for early detection of abnormalities and on-site hygiene control, so that the product can be distributed safely.

For details: <https://kyoritsu-lab.co.jp>

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Satsuki Denshi Co. Ltd.



Ota Agri-Fishery Improvement Group

Design and manufacture printed circuit boards with built-in CPU (including software), etc.

Introduction of Product/Technology

We plan, design, and manufacture printed circuit board circuits with built-in CPUs, single-chip CPUs (including software), various manufacturing interfaces, automatic controllers, and equipment for mass production.

Product/Technology Keywords

■ Control Technology

Company Overview

- Capital: 3 million JPY
- No. of Employees: NA
- Year of Establishment: September 1995
- Overseas Expansion: NA
- Awards & Recognitions: NA



Proposal for expanding to Africa

We have a proven track record in the development of control devices in a wide variety of fields such as train simulator (printed circuit board design and software development), sensor development to assess beer foam (patented, patent no. 2895466), motor phase shift monitoring device for parking lot (printed circuit board design and software development), development of microcomputer boards and software for game consoles, shutter controller (printed circuit board design and software development), limit switchless technology, digital control system (CPU control), PS2 version of mass controller printed circuit board design & software design for Keikyu Corporation.

For details: <https://dproject.co.jp/?author=61> (Japanese)

Contact us: Mayo Sueishi, Representative Director

e-mail: satsuki-e@yk2.so-net.ne.jp Tel : +81-03-3727-4445

Em E Metal, LLC



Ota Agri-Fishery Improvement Group

Metal processing and
design engineering

Introduction of Product/Technology

We process and designing of metal parts and prototypes. Our specialty is stainless steel but we can also provide machining of aluminum, copper, iron, titanium, brass, nylon etc. Although our plant is small, we can offer a wide range of services with our agility.



Product/Technology Keywords

- Moldless Machining

Company Overview

- Capital: 1,000,000 JPY
- No. of Employees: 4
- Year of Establishment: October, 2012
- Overseas Expansion: None
- Awards/Recognitions: None



Proposal for expanding to Africa

We would like to propose an environment where women can play an active role. We are currently developing a new type of pipe that is easier to use as tools for women that are usually used by men. We believe if more women can work, the environment will be better and society will be more comfortable.

For details: <http://www.facebook.com/e.metal.ota.japan>

Contact us: Mr. Reiko Midorikawa
e-mail: info@e-metal-ota.com



Hirosawa Electric Corporation



Ota Agri-Fishery Improvement Group

We design and manufacture automatic power control panels using power distribution and sequence control technologies

Introduction of product/technology

We propose and provide automation and labor-saving solutions using relay sequence and PLC technologies based on the design and manufacture of automatic power control panels using power distribution and sequence control technologies. We mainly design and manufacture various types of panels for social infrastructure and industrial fields such as telecommunications, electric power, and railroads in Japan.

Product/Technology Keywords

■ Control Technology

Company Overview

- Capital: 77 million JPY
- No. of Employees: 70
- Year of Establishment: January, 1957
- Overseas Expansion: NA
- Awards & Recognitions: NA



セキュリティ強化マイコン基板

Introduction of services in Africa



電力計測システム

Currently, we are working on electric circuit boards and programming with a aim to integrate them with conventional sequence control technology to develop inexpensive power measurement systems that contribute to energy conservation, and security solutions that combine image recognition, voice guidance, etc.

For details: <https://www.e-hirosawa.co.jp/> (Japanese)

Contact us: Mr. Haruo Takeno, Sales Manager

E-mail: takeno@e-hirosawa.co.jp Tel: +81-03-3742-0261

Seki Iron Co. Ltd



Ota Agri-Fishery Improvement Group

Machine manufacturing and precision processing technology for large parts

Introduction of product/technology

Our assembly department assembles and repairs parts of machinery and equipment. As a manufacturer of parts of machine, we specialize in processing large parts. And our network of manufacturing facilities for machine tools also allows us to arrange for even a small part like pin.



Product/Technology Keywords

- Assembly & repair of machinery and equipment

Company Overview

- Capital: 3 million JPY
- No. of employees: 18
- Year of Establishment: 1951
- Overseas Expansion: Yes
- Awards & Recognitions: Companies driving regional growth, Ota new product development contest



Proposal for expanding to Africa

We have been in business for 69 years and started with just one person processing and manufacturing small parts for machinery. Today we specialize in the assembly and manufacturing machinery and equipment. We also have expertise in processing and manufacturing large parts for machinery.

For details: <https://sekiiron.com/>

Contact us: Eiichi Seki

E-mail: e.seki@gol.com

Mr. Toshifumi Shishido



Ota Agri-Fishery Improvement Group

Support for AI application
Support for business development
Support for organizing exhibitions

Introduction of Product/Technology

- Freelance general management consulting
- We provide advice, guidance, and implementation support for AI application, business development and exhibition
- We are engaged in research and development of robots for inspecting fast breeder reactor
- We are engaged in research and development of image recognition system
- Part-time former university lecturers and many corporate trainers
- Doctoral degree in Artificial Intelligence

Product/Technology Keywords

- AI, business development, exhibition

Company Overview

- Capital: None
- No. of Employees: 1
- Year of Establishment: 1993
- Overseas Expansion: None
- Awards & recognitions: None

Proposal for expanding to Africa

- "AI Application" We use statistical methods, machine learning, deep learning and various other methods to provide a right solution to your problem.
- "Business Development" We use a combination of lean, agile and empirical methods as appropriate to increase the probability of success.
- "Exhibition" We make the most of our presentation methods and realize more effective exhibition at low cost.

For details: <http://business-supporter.click>

Contact us: Toshifumi Shishido

E-mail: bsnss.ssd@gmail.com Tel: +81-3-5711-6325



**Tech-Taiyo Kogyo
Co., Ltd.**



Ota Agri-Fishery Improvement Group

Cereal Puffing machine for Africa

Introduction of Product/Technology

A machine that can easily make puffed cereals by heating and pressurizing rice or other grains. They are heated using fire, and power is applied manually. Gas heating or electrical power can be applied if desired. In about ten minutes after adding the grains, there is a "popping sound" and a lot of tasty puffed cereals are produced.

Operating Procedure:

1. Machine warm-up
2. Add rice or other grains
3. Heat and turn the handle for 10 minutes
4. It makes a popping sound and a lot of puffed cereals are produced



Product/Technology Keywords

- Rice and grain processing, destoning

Company Overview

- Capital: 50 million JPY
- No. of employees: 46
- Year of Establishment: 1958
- Overseas Expansion: Nigeria etc.
- Awards and Recognitions: Prize for excellence in Ota SME New Product and Technology Contest



Proposal for expanding to Africa

The resulting puffed cereals are crunchy and light, and can be eaten with liquid sugar or sprinkled with spices. Stones and other waste in the ingredients do not mix with the processed product, therefore they can be sorted out. In Japan, sweet cereals have always been popular among children.

For details: <http://www.ttkk.co.jp>

Contact us: Mr. Torigata, Tech-Taiyo Kogyo Co. Ltd

E-mail: torigata-u@ttkk.co.jp



Kaseda Co., Ltd.

Ota Agri-Fishery Improvement Group

Labor saving technique in agriculture (Rice Destoning Machine, industrial argan nuts shelling processing unit)

Introduction of Product/Technology

1. Design and manufacturing of instrument which measures the inner and outer diameter
2. Design and manufacturing of OA equipment
3. Design and manufacturing of automatic machines
4. Labor saving in agricultural machinery



Industrial Argan Nuts Shelling Processing Unit

Product/Technology Keywords

- Product and automatic machine design, manufacturing and measuring equipment

Company Overview

- Capital: 10 million JPY
- No. of employees: 5
- Year of Establishment: November 1990
- Overseas expansion: Madagascar, Morocco
- Awards & Recognitions: N/A



Caliper gauge



Stone removal equipment from rice

Proposal for expanding to Africa

1. Design and manufacturing of jigs and other equipment to reduce the workload of workers
2. Design and manufacturing of agricultural machinery
3. Design and manufacturing of items requiring automation

For details: <http://www.kaseda.co.jp>

Contact us: Mitsuyoshi Kaseda, Technology

E-mail: Info@kaseda.co.jp



AGL inc.



Ota Agri-Fishery Improvement Group

PR, sales promotion, product development
System development

Introduction of Product/Technology

We are mainly involved in planning, producing, managing and organizing various events both in and outside Japan.

We are also engaged in the development of a wide range of projects, including consulting services on outsourcing of "utilization of nationally designated tangible cultural properties." We also design and manufacture packaging for a company in Dusseldorf, Germany.



Product/Technology Keywords

- PR, sales promotion, product development

Company Overview

- Capital: 3 million JPY
- No. of Employees: 5
- Year of Establishment: 1999
- Overseas Expansion: Yes
- Awards & Recognitions: None

Proposal for expanding to Africa

We offer various services ranging from service development, packaging design, distribution, sales management to complete systems for plant factories. We also have staff who can speak in Japanese, English and Chinese.



For details: <https://www.agl-inc.jp>

Contact us: Mr. Hideki Yamada

E-mail: yamada@agl-inc.jp