



## 2017 Award-Winning Companies



TOKYO  
METROPOLITAN  
GOVERNMENT



SME Global Promotion  
PROJECT  
**2020**



■ What is the Going-Global Innovations Competition?

The “Going-Global Innovations Competition” aims to promote development of new products and services leading to the opening up of sales channels, by publicly recognizing innovative products, technologies and services developed by SMEs to target medium- to long-term business chances expected in the future.

■ Awards

In 2017, there were 98 applications in the product and technology (technology ventures) category and 52 in the service category, among which 32 excellent products and services received awards. The awards ceremony was held at the Tokyo Big Site Atrium on Wednesday, November 15, 2017. Award-winning enterprises were presented with a certificate from the Tokyo Metropolitan Government, and supplementary prizes of incentive payments for development and marketing, etc.

Products and Technologies		Services
Certificate, trophy, incentive payment for development and marketing of 3 million Yen (1 company)	Gold Prize	Certificate, trophy, incentive payment for development and marketing of 3 million Yen (1 company)
Certificate, trophy, incentive payment for development and marketing of 1.5 million Yen (2 companies)	Silver Prize	Certificate, trophy, incentive payment for development and marketing of 1.5 million Yen (2 companies)
Certificate, trophy, incentive payment for development and marketing of 1 million Yen (2 companies)	Bronze Prize	Certificate, trophy, incentive payment for development and marketing of 1 million Yen (2 companies)
Certificate, incentive payment for development and marketing of 500 thousand Yen (12 companies)	Special Prize	Certificate, incentive payment for development and marketing of 500 thousand Yen (10 companies)

The Governor’s Special Award to Promote Women’s Activities

Certificates and commemorative gifts were presented to 3 enterprises among the award-winning enterprises at which women were responsible for management or development of products and technology or services.

■ Application Summary

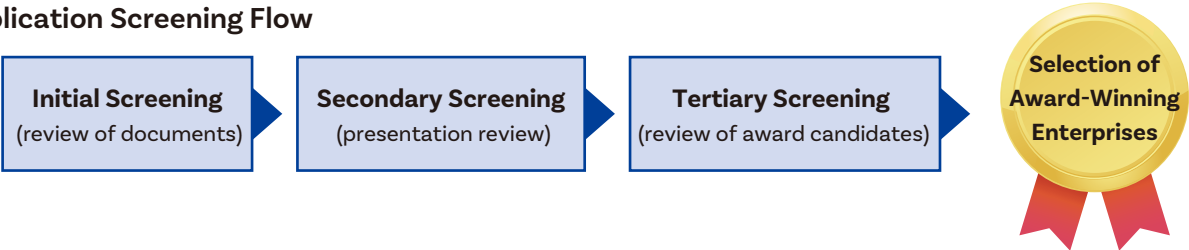
Main Entry Qualifications

- SMEs or SME organizations operating businesses with a main business office in Tokyo, or SME groups or individual business owners with a representative enterprise with a main business office in Tokyo.
- Enterprises that can take technological or manufacturing responsibility for the products and technology or services in the application.

Applicable Products and Technologies or Services

- Products and technologies or services that were commercialized after July 1, 2012 (less than 5 years), and that have been sold or offered in the name of the company in Japan by July 1, 2017.

Application Screening Flow



## Gold Prize

**AIOI・SYSTEMS CO., LTD.**

WIRA Omori Building. 9F, 1-6-8, Omorikita, Ota-ku, Tokyo, 143-0016, Japan  
https://www.hello-aioi.com/en/

05

“Projection Picking System®”, Picking Support Equipment

## Silver Prize

**Evixar Inc.**

1-17-22, Shinkawa, Chuo-ku, Tokyo, 104-0033, Japan  
http://www.evixar.com/

07

“Another Track(R)”, Devices Control Solution through Acoustic Communication

**Venture Material Co., Ltd. (“Ecofix” development consortium)**

“Ecofix PRO”, Light diffusing / thermally insulated fabric 3F, Takaishi Bldg. 1-2-5, Irifune, Chuo-ku, Tokyo, 104-0042, Japan  
http://syonetu.com/

## Bronze Prize

**Qoncept, Inc.**

Qoncept 4D Tracker

12F, Chiyoda First Bldg. East Wing, 3-8-1, Nishikanda, Chiyoda-ku, Tokyo, 101-0065, Japan  
http://qoncept.co.jp/

09

**Japan Analytical Industry Co., Ltd.**

208, Musashi, Mizuho-machi Nishitama-gun, Tokyo, 190-1213, Japan  
http://www.jai.co.jp/

“Curie Point Injector JCI-55”, Equipment that can be used to inject solid and gas samples into a GC with the feel of a syringe

## Special Prize

**Inter Reha Co., Ltd.**

“Cogni Bike”- A new way of Cognitive Training

1-37-15, Kaminakazato, Kita-ku, Tokyo, 114-0016, Japan  
http://www.irc-web.co.jp/

11

**Kansai Electronics Co., Ltd.**

Nanofiber Melt Spinning Mass Production Manufacturing Equipment

#509, Techno Front Morikesaki, 4-6-15, Omori-minami, Ota-ku, Tokyo, 143-0013, Japan  
http://www.kansaidenshi.co.jp

**KITII Corporation.**

“Ume Soft no Megumi”, a fruit seasoning that softens meat and seafood

Yotsuya Araki-cho Square, 5 Araki-cho, Shinjuku-ku, Tokyo, 160-0007, Japan  
http://www.kitii.co.jp

**SoundFun Inc.**

MIRAI SPEAKER

4F, Cosmos Asakusabashi Sakai Bldg. 1-32-6 Asakusabashi, Taito-ku, Tokyo, 111-0053, Japan  
https://soundfun.co.jp/

12

**Tanaka Electric Laboratory**

“DDM-TMA1” - Non-Sampling Instant Vaporization Light Scattering Dust Density Meter for Cloudy Exhaust Gas

3-30-10, Kyodo, Setagaya-ku, Tokyo, 156-0052, Japan  
http://www.tanaka-e-lab.com

**TOSEI ELECTROBEAM COMPANY LIMITED.**

“ELASER®” - Laser Cleaning Device

651-6, Takane, Mizuho-machi Nishitama-gun, Tokyo, 190-1203, Japan  
http://www.tosei.co.jp/

**TRUNK SOLUTION CORPORATION**

TRUNK SOLUTION

The University of Tokyo Entrepreneurs, 7-3-1, Hongo, Bunkyo-ku, Tokyo, 113-0033, Japan  
https://trunk-sol.co.jp/

13

**Triple W Japan K.K.**

“DFree” - Wearable Device for Toilet Timing Prediction

Daiichi Kasuya Building. 2-9, Sakuragaokacho, Shibuya-ku, Tokyo, 150-0031, Japan  
http://dfree.biz/

**Nano Frontier Technology Co., Ltd.**

Solar receivers with the world’s highest light absorption and highest durability

3-10-6-105, Osaki, Shinagawa-ku, Tokyo, 141-0032, Japan  
http://www.nano-frontier.com

**HAKKO CORPORATION**

Flexible Fluorine (ETFE) Resin Hose Series (Dissipative Type)

5F, Unity Forum, 1-42-18, Itabashi, Itabashi-ku, Tokyo, 173-0004, Japan  
https://eightron.co.jp/

14

**RKC INSTRUMENT INC.**

“IOPD”, Intelligent Output Power Distributor

16-6, Kugahara 5-chome, Ota-ku, Tokyo, 146-8515, Japan  
https://www.rkcinst.co.jp

**Robit Inc.**

“mornin’”, A Device that Automatically Draws Curtains

1-5-11, Shingashi, Itabashi-ku, Tokyo, 175-0081, Japan  
https://robit.co.jp/

## Gold Prize

**Seabird Inc.**

“CYCLOG”, A New Sense of Bicycle Orienteering

4F, Akore Todoroki Bldg. 3-6-13, Todoroki, Setagaya-ku, Tokyo, 158-0082, Japan  
https://4969.jp/

06

## Silver Prize

**SuRaLa Net Co., Ltd.**

“Surala-Elementary School Early Grades Edition”, Independent Learning Support Program

5F, Otemachi Sano Bldg. 1-7-8, Uchikanda, Chiyoda-ku, Tokyo, 101-0047, Japan  
https://surala.jp

08

**MILLIMETER, INC.**

“Shoes Cafe”, a service for easily ordering made-to-order pumps with the feel of a cafe

Lowp, 5 Ichigayasanacho, Shinjuku-ku, Tokyo, 162-0846, Japan  
http://www.millimeter.jp

## Bronze Prize

**arcadia-ex Co., Ltd.**

Performance Plus

#407, 1-4-16, Igusa, Suginami-ku, Tokyo, 167-0021, Japan  
http://www.performance-plus.jp

10

**Curio School Inc.**

Mono-Coto Innovation

3F, Miyazawa Bldg. 3-3-16, Takaban, Meguro-ku, Tokyo, 152-0004, Japan  
http://www.mono-coto-innovation.com

## Special Prize

**Activatelab co.,ltd.**

“OpenGate”, Social Networking Service specialized for Physical Challenger.

2-41-17 TCIC, Yayoicho, Nakano-ku, Tokyo, 164-0013, Japan  
http://open-gate.jp/

15

**QLCLE Inc.**

QLQL

3-7-2, Sotokanda, Chiyoda-ku, Tokyo, 101-0021, Japan  
http://www.qlcle.com

**CICO CORPORATION**

“Net Mil”, Online Monitoring Service

5-7-12, Nishiogu, Arakawa-ku, Tokyo, 116-0011, Japan  
http://www.netmil.jp/

**CITATION JAPAN CO., LTD.**

Luna Fleuge Flower Clothes ~hanagoromo~(A service for taking photographs of customers wearing Ikebana flower arrangements that gives foreigners visiting Japan the chance to buy experiences rather than things)

8F, Ginza 1-Chome East Bldg. 1-19-7, Ginza, Chuo-ku, Tokyo, 104-0061, Japan  
http://luna-fleuge.jp/

16

**Sports Sitter Japan, Inc.**

“Sports Sitter”, Sports Teacher Babysitting Service

#942 Win Aoyama, 2-2-15, Minamiaoyama, Minato-ku, Tokyo, 107-0062, Japan  
http://www.sportsitter.jp

**TANREN, Inc.**

Knowledge-Sharing App, TANREN

5F, Risona Kudan Bldg. 1-5-6, Kudanminami, Chiyoda-ku, Tokyo, 102-0074, Japan  
https://tanren.jp/

**Diground Inc.**

Map Collection App, Diground

ICTCO #9, 4-10-1, Nakano, Nakano-ku, Tokyo, 164-0001, Japan  
https://diground.com/company/

17

**YAMAGUCHI SANGYOU Co., Ltd.**

“Leather Circus”, connecting rural areas and cities and creating a recycling-oriented ethical brand

3-11-10, Higashisumida, Sumida-ku, Tokyo, 131-0042, Japan  
http://yamaguchi-sangyou.co.jp

**Yuber Programming School site**

“Yuber Programming School Scratch Course”, Programming learning service for all children and families

5F, Risona Kudan Bldg. 1-5-6, Kudanminami, Chiyoda-ku, Tokyo, 102-0074, Japan  
http://www.yuber.jp

**Lil World Limited Liability Company**

“TABERUKOTO”, This is all you need! A service to help restaurants prepare for inbound tourists

2-5-10, Nanyodai, Hachioji-shi, Tokyo, 192-0371, Japan  
https://www.taberukoto.jp/pr/

18



## “Projection Picking System”<sup>®</sup>, Picking Support Equipment

### AIOI · SYSTEMS CO., LTD.

#### Product Summary

A support system that enables anyone to easily and quickly perform picking work of parts and goods being carried out on a factory assembly line without major remodeling of storage facilities, etc.

#### Features

- Projects a task instruction image onto a shelf, etc., using projection mapping
- There is no need for major remodeling of storage facilities or for wiring work, as was required previously.
- Supports a variety of picking instructions such as item name, quantity, product image, video and voice.

#### Results

- The product can be used with racks for small articles with which the existing picking support systems cannot be used as they require installment of a display unit.
- Achieve lower prices than with existing products.

#### Principles

- The task information is projected using characters, etc., from an ultra-short throw projector installed on the upper part of the shelf.
- The system recognizes picking tasks by identifying markers affixed to drawers using a high-resolution camera.
- If a drawer different to that instructed is opened, the image analysis feature determines this to be a mistake in the task and outputs a warning signal.

#### Delivery Results

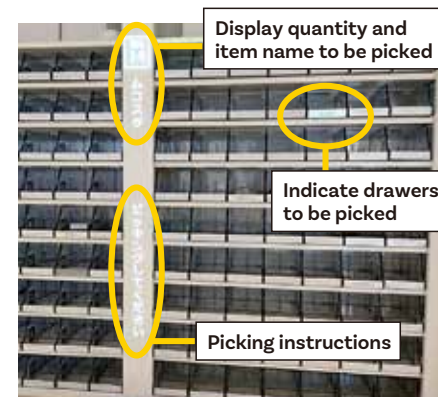
- Factories, distribution centers, dispensing pharmacies.



▲ Picking Error Warnings



▲ Product Usage Examples

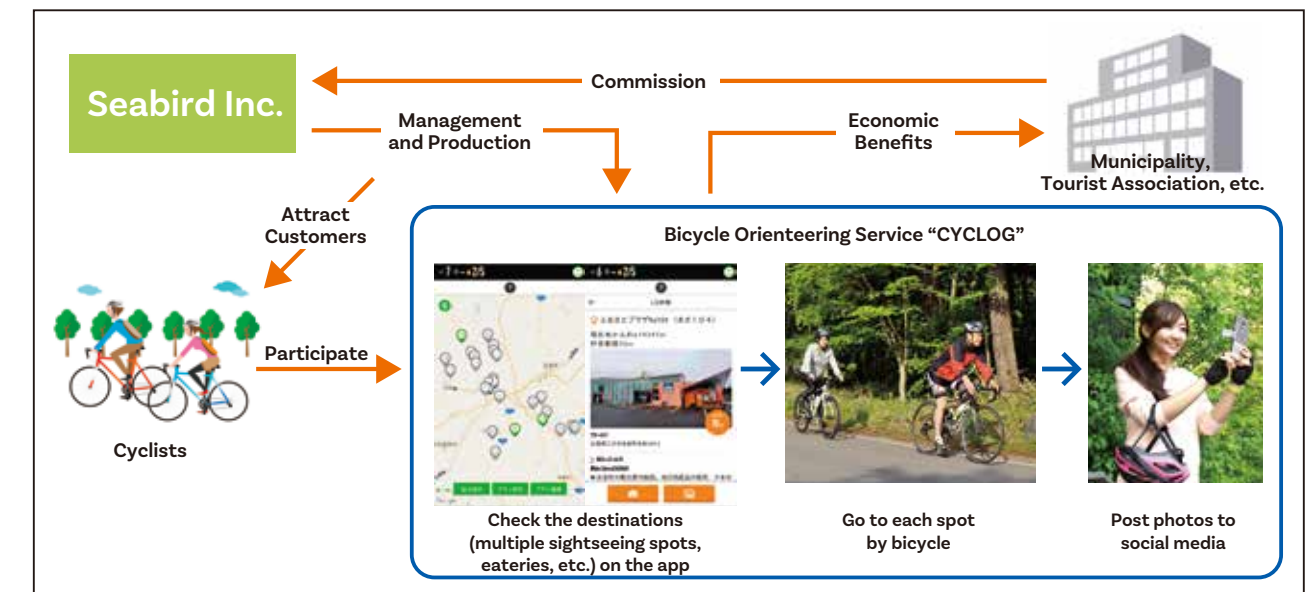


## “CYCLOG”, A New Sense of Bicycle Orienteering

### Seabird Inc.

#### Service Summary

- New bicycle orienteering service using a smartphone app.
- Compete to see how many sightseeing spots within an area you can visit by bicycle within the time limit.
- Earn points by posting photos of sightseeing spots to social media and by eating or drinking out in the area.



#### Selling Points

- Experience holding competitions with several municipalities, etc. (6 competitions in FY2016, and plans for 7 competitions in FY2017)
- Events can be organized by a small number of people at low cost through the use of IT
- The appeal of the area can be communicated and spread through social media posts
- Direct economic benefits can be expected due to consumption locally (e.g. eating and drinking out)
- Over 90% of respondents to a questionnaire for participants stated the event was “very enjoyable”.

#### Envisioned Future Applications

We have started translation into multiple languages, and plan to expand our customer base in the following ways:

- (1) Acquisition of participants from among visitors from overseas
- (2) Hold events overseas as an overseas expansion measure
- (3) Sale of overseas rights





## “Another Track(R)”, Devices Control Solution through Acoustic Communication

### Evixar Inc.

#### Product Summary

An acoustic communication technology that controls devices such as smartphones using audio-watermarks containing embedded information

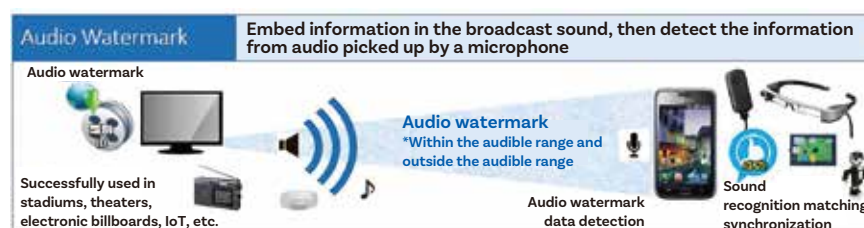
#### Features

- Recognize the sound on the supported device within 0.1 seconds after sending audio-watermarked sound
- As the communication is by sound, data can be transmitted even in environments without radio waves and with a device in airplane mode
- Broadcast communication can be achieved in places where many users gather at one time
- The system is low cost and easy to introduce as there is no need for new capital investment



#### Results

- Multilingual subtitles displayed in real time on smartphones during movies or plays, and in art galleries and museums
- Accessible screening of movies is possible when used for audio guidance and subtitles.



## “Ecofix PRO”, Light diffusing / thermally insulated fabric

### Venture Material Co., Ltd. (“Ecofix” development consortium)

#### Product Summary

- We applied techniques for weaving yarn that has a similar structure to the fibers used for making ancient Japanese paper to develop the product
- The product possesses high energy saving qualities with excellent illumination, thermal insulation and adiabaticity

#### Results

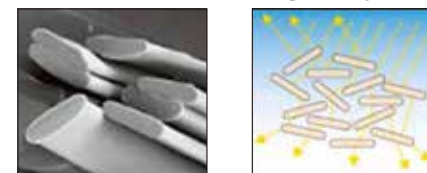
- It lets sunlight enter the room and diffuses a soft light to brighten the room (it blocks 90% or more of UV rays)
- It moderates the sun's rays with 7 degrees of thermal insulation
- It thermally insulates against cold air with 4.2 degrees of heat retention
- It reduces the need for air conditioning throughout the year
- It is lower cost and easier to install than double glazing and LOW-E glass

#### Principles

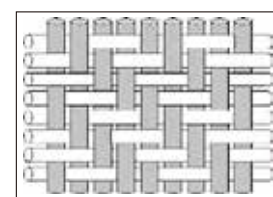
- It provides diffuse reflection of sunlight and provides a uniformly diffused light using yarn with a flat cross-section and with a similar structure to the raw materials for Japanese paper, “Kozo” and “Mitsumata”
- Using a modified twill weave technique in which the yarn is woven diagonally, by creating a high density weave using polyester, the fabric is strengthened and the transmission of heat is suppressed



▲ Product Usage Examples



▲ Flat Cross-Section ▲ Diffuse reflection of light rays



▲ General Twill Weave Structure

## “Surala~Elementary School Early Grades Edition”, Independent Learning Support Program

The Governor's  
Special Award  
to Promote  
Women's Activities

### SuRaLa Net Co., Ltd.

#### Service Summary

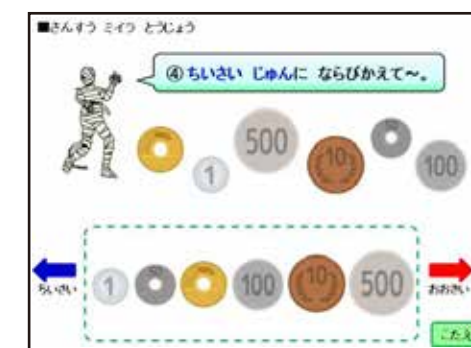
- E-learning business that improves academic ability in a fun way even for children with developmental disabilities
- Our business model consists of providing the system to private-tutoring schools and private schools, etc., and earning usage fee income in return

#### Selling Points

- Achieves curriculum composition tailored to the characteristics of children with developmental disabilities, easy viewing of the screen, and ease of understanding
- Individually optimized learning is offered through features that identify difficulties and encourage review according to the degree of comprehension
- The system has been introduced successfully in about 200 private-tutoring schools and private schools and 8 after-school for developmental disabilities

#### Envisioned Future Applications

- Contribute to the learning of children who need special assistance where there is a shortage of human resources and tools, and expand their future possibilities



Move coins, compare sizes, and sort them

## “Shoes Cafe”, a service for easily ordering made-to-order pumps with the feel of a cafe

### MILLIMETER, INC.

#### Service Summary

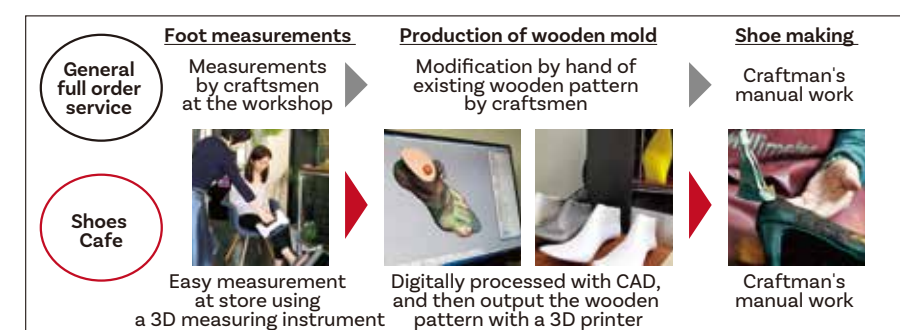
- A service for easily making made-to-order pumps that fit the individual's feet
- Drastic improvement of the shoe manufacturing process using 3D measuring instruments and 3D printers

#### Selling Points

- The manufacturing period is one-fifth (2 weeks) that of previous methods
- We have achieved a price that is half of previous prices (50,000 - 60,000 Yen)
- Measurements can be done with the heel in a raised position, which improves the measurement accuracy.
- Over a period of 8 months, we have sold 190 pairs of shoes, and over 40% of our customers are repeat customers.

#### Envisioned Future Applications

- We utilize our new 3D measuring instruments (patented), which make measuring easier, and are discussing partnerships with department stores, etc.
- Our goal is to provide services to women around the world who have trouble with shoes, and promote “3D made-to-order” footwear.



▲ Product examples



## Qoncept 4D Tracker

### Qoncept, Inc.

#### Technology Summary

- Real-time 3D position measurement technology for sports via image recognition using AI
- Instantaneously calculate the 3D position and speed of a ball or player using only camera

#### Features

- Does not affect the measurement target (can be used for actual games & imposes no burden on players)
- Real-time data processing (can be used for live TV broadcasts)
- Overwhelming cost benefits
  - Technology developed by overseas competitors makes measurements using almost 10 high-speed cameras
  - The personnel and costs required are also more than 10 times greater. However, our technology can achieve similar measurements with only one operator using just two cameras and a laptop computer that can be purchased from a retail store.



#### Principles

- The detection and tracking of the measurement target are achieved using AI (machine learning)
- Learning data is constructed by sampling a large number of images of the measurement target beforehand for each sport
- After tracking the object, the 3D position is estimated by stereo measurement using the two cameras.

## “Curie Point Injector JCI-55”, Equipment that can be used to inject solid and gas samples into a GC with the feel of a syringe

### Japan Analytical Industry Co., Ltd.

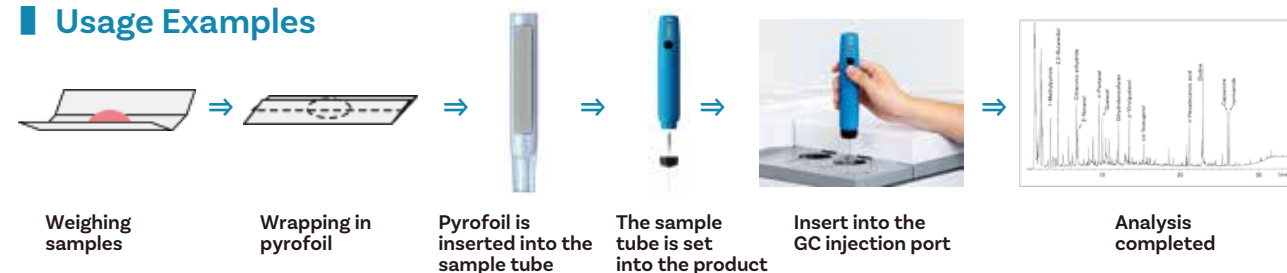
#### Product Summary

- Equipment that can be used to inject solid and gas samples into a gas chromatograph (GC) with the feel of a syringe
- More accurate quantitative analysis possible than with existing products

#### Features

- Injection of solid and gas samples possible with the feel of a syringe
- Portable
- No difficult preparation required for analysis
- It is possible to quickly and conveniently carry out the task of heating the sample to a constant temperature and decomposing.
- Results can be analyzed immediately since the product can be connected directly to a GC

#### Usage Examples



## Performance Plus

### arcadia-ex Co., Ltd.

#### Service Summary

- A tool that enables a part-time employee to review work performance each day in about one minute on a smart-phone, etc., and send comments directly to the supervisor
- The supervisor checks the status of the employee, and replies with evaluations and comments

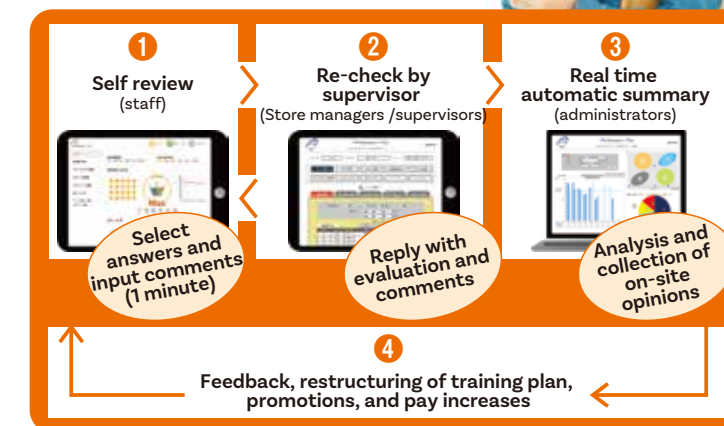
#### Selling Points

- Input results are instantly quantified and analyzed so that supervisors and managers can quickly grasp actual conditions on-site and provide feedback
- Several examples demonstrate improved job turnover rate
- E-learning and messages can also be delivered

#### Envisioned Future Applications

- Make a tool that helps deepen mutual understanding between on-site workers and administrators, and promotes employee retention among part-time employees, and contributes to their success

#### Main corporate users



## Mono-Coto Innovation

### Curio School Inc.

#### Service Summary

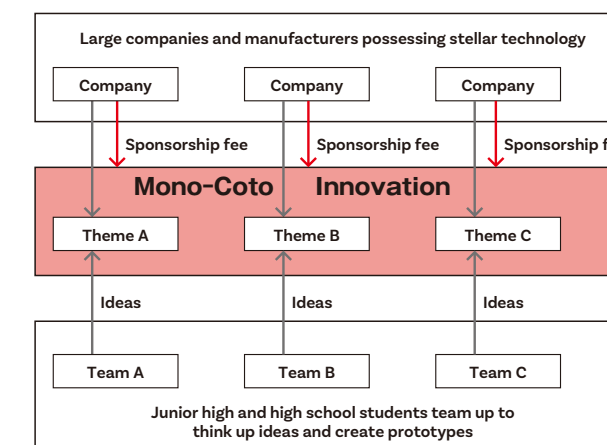
- Programs for junior high and high school students to think up ideas in teams and produce prototypes related to themes issued by businesses such as “things you want in club activities.”
- Operated via corporate sponsorship fees
- Junior high and high school students gathered through public advertisement participate free of charge

#### Selling Points

- By experiencing actually making things, not just ideas, junior high and high school students get a chance to further their career education
- Based on the ideas of junior high and high school students, businesses can obtain hints about new products.
- Several prototypes are scheduled to be commercialized.

#### Envisioned Future Applications

- We aim to create ideas and prototypes from junior high and high school students in Japan that change the world and to nurture innovative talent



“Handy Jug” Cross Tech Sports Co., Ltd.



▲ Prototype



▲ Final Tournament

## “Cogni Bike” - Cogni-cise + riding bicycle = A new way of Cognitive Training

### Inter Reha Co., Ltd.

#### Product Summary

- You can enjoy training with dual tasks, riding ergometer and answering questions at the same time. Video viewing with bicycle exercise is also possible.
- Simple calculations, matching proper illustrations and memory quiz = Cogni-cise  
Aerobic exercise like riding bicycle = Bike ⇒ Cogni-Bike

#### Features

- Software gives you more difficult & personalized exercise, more riding load and difficult cogni-cise, as cogni-cise level increases.
- Simple voice guidance leads you how to exercise and how to use the device.



▲ Product Appearance

## Nanofiber Melt Spinning Mass Production Manufacturing Equipment

### Kansai Electronics Co., Ltd.

#### Product Summary

Mass production manufacturing equipment for nanofibers made from thermoplastic polymers

#### Features

- Dissolves the polymer resin and ejects it using high pressure air from a fine nozzle to mass-produce ultra-thin long fibers
- Industry-leading mass production performance (8 kg per hour)

#### Results

- With its excellent characteristics, the manufactured nanofiber is used as sound absorbing material, heat insulating / heat retention material, agri-material, air filters, oil absorbing sheets, etc.



▲ Product Appearance



▲ Manufactured Nanofiber

## “Ume Soft no Megumi”, a fruit seasoning that softens meat and seafood

### KITII Corporation.

#### Product Summary

Fruit seasoning that makes meat and fish softer and more delicious while enhancing its flavor using Japanese plum vinegar and fermented barley extract etc. produced in Japan.

#### Features

- Unused local Japanese resources such as plum vinegar and shochu lees are the main raw materials. This product is safe and reassuring.
- Use this product to recreate the texture of freshly cooked food even after reheating the food in a microwave oven.

#### Results

- Increases the water holding capacity of meat and achieve a juicy and moderate softness through the organic acids such as citric acid and salt contained in plum vinegar.
- Masks the meat odor originating from the ingredients through the effect of barley fermentation extract
- Increases the original flavor of the ingredients through the effect of the fish sauce



▲ Usage Comparison (fried chicken)

## MIRAI SPEAKER

### SoundFun Inc.

#### Product Summary

A speaker that delivers information clearly through sound from afar for all people including the hard of hearing and the elderly, using a “curved surface sound” which generates sound from the curved surface of a diaphragm.

#### Features

- Unlike traditional speakers that emit sound from a single sound source, words and music of curved sound, similar to the sound of a violin, reach the ear from afar.
- An acoustic environment can be easily created simply by adding this device to acoustic equipment in all types of situations.



▲ Product Appearance

## “DDM-TMA1”

- Non-Sampling Instant Vaporization Light Scattering Dust Density Meter for Cloudy Exhaust Gas

### Tanaka Electric Laboratory

#### Product Summary

A small, lightweight dust density meter capable of continuously measuring only dust that is hidden behind water vapor in gas ducts where smoke is discharged.

#### Features

- Non-sampling type capable of continuously measuring dust density without being affected by changes in flow velocity of the exhaust gas
- Compared to the sampling type dust meter, device configuration is straightforward, we have achieved a weight saving (weighs 30 kg and installation is straightforward)

#### Results

- Continuous monitoring of the dust density at the flue gas desulfurizer outlet of a coal-fired power plant that is the source of PM 2.5 particles
- Contributes to a reduction in CO2 emissions by reducing the amount of fuel used, since it makes the smoke transparent and it is not necessary to install a GGH reheater



▲ Product installation example

## “ELASER®” - Laser Cleaning Device

### TOSEI ELECTROBEAM COMPANY LIMITED.

#### Product Summary

A device that removes stains such as resin, paint, rust, etc., from a metal surface with a laser

#### Features

- Dry (non-contact) cleaning that applies a laser only
- The device is compact with excellent portability, so large objects can be cleaned in place.
- Supports a household supply of 100V, and the running cost consists of the electricity charge only (less than 10 Yen / hour)

#### Results

- Does not damage the base metal
- Achieves a reduction in total man-hours
- Environmentally friendly with no issues with waste liquid disposal or noise pollution



▲ Product Appearance

◀ Cleaning example (before cleaning / after cleaning)



## TRUNK SOLUTION

### TRUNK SOLUTION CORPORATION

#### Product Summary

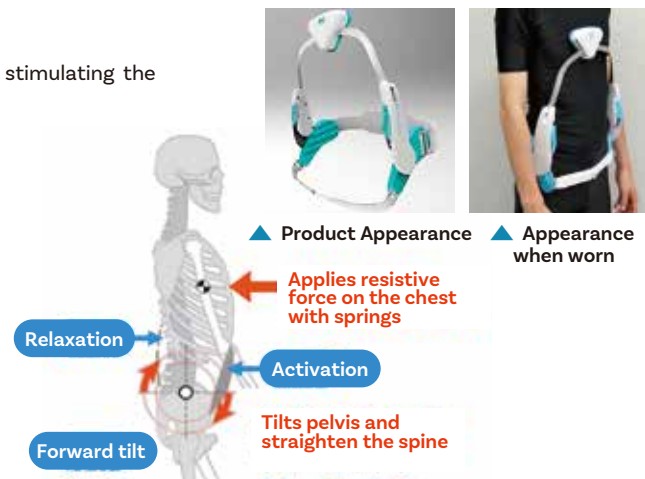
This device improves the user's gait and physical capacity by stimulating the trunk functions.

#### Features

- Achieve a good posture
- Applies a moment tilting the pelvis forward
- Can be utilized by various users, from the elderly to athletes
- Simple and safe structure requiring no power source

#### Effects

- Improves a slumped standing posture which is a risk of fall
- Decreases the low back load by modifying body alignment
- Tilts the pelvis forward and facilitate swinging the lower limbs
- Activates inner muscles serving an important function for maintaining posture and level walking.



## “DFree” – Wearable Device for Toilet Timing Prediction

### Triple W Japan K.K.

#### Product Summary

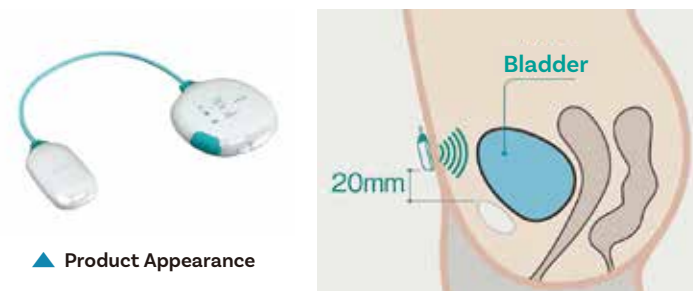
Notifies timing of urination by capturing changes in the bladder with an ultrasonic sensor that does not affect the user's body

#### Features

- The obtained data is uploaded to the cloud server and analyzed with original algorithm.
- Notification is sent to apps before and after the urination, enables the caretakers to prepare for the toilet.

#### Results

- Achieves efficiency in the nursing business by optimizing the timing of toilet assistance
- Greatly improves the user's QOL by supporting independent toilet use



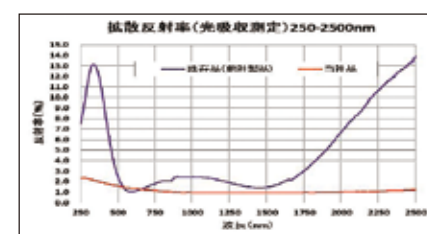
## Solar receivers with the world's highest light absorption and highest durability

The Governor's Special Award to Promote Women's Activities

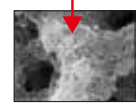
### Nano Frontier Technology Co., Ltd.

#### Product Summary

(1)Carbon nanotube-containing solar receiver with the world's highest light absorption level of 99%

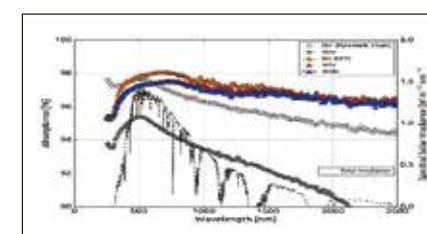


Developed coatings: no reflection

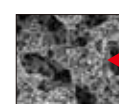


Enlarged view

(2)Metal oxide-containing solar receiver with the world's highest light absorption and highest durability

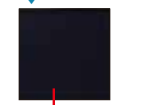


Conventional coatings: delamination



Enlarged view

Developed coatings: no delamination



Enlarged view

#### Features & Principles

The coating is formed with pores. These pores greatly improve the level of light absorption.

#### Results & Applications

Developed coatings are used in the solar receiver of concentrated solar power generation (CSP). This improves the CSP efficiency through high light absorption and high durability.

## Flexible Fluorine (ETFE) Resin Hose Series (Dissipative Type)

### HAKKO CORPORATION

#### Product Summary

Hose for combustible fluids including various solvents and chemicals

#### Features

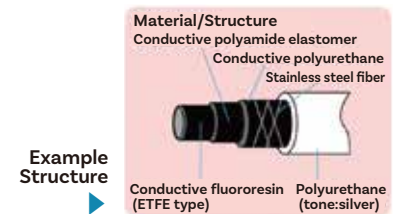
- By eliminating static electricity generated inside the hose with conductive resin and internal metal wire, this product prevents electrostatic discharge which causes ignition of combustible materials
- Conductive fluorocarbon resin formed on the inner surface prevents electrostatic charging of the whole hose

#### Example Applications

- Transportation of combustible fluids at petrochemical plants and pharmaceutical plants
- Transportation of volatile fluids such as cosmetics, alcohols, and perfumes
- Transportation of various solvents at paint and ink factories



Product Appearance



Example Structure

## “IOPD”, Intelligent output Power Distributor

### RKC INSTRUMENT INC.

#### Product Summary

Intelligent output power distributor that inhibits maximum power in the control of the heater electrical power of multiple channels

#### Results

- Allows miniaturization of power supply equipment through inhibition of the total on-power value for each power cycle, and suppresses power supply voltage flicker through on-power leveling
- The maximum power consumption is reduced by limiting the output power of each channel to an appropriate value, and the power cost is reduced by suppressing the demand power.
- Using zero cross solid state relays (low-cost power control equipment), low noise and low harmonic (compared to phase control) high-speed power control is achieved and equipment costs are reduced



Product Appearance

## “mornin’”, A Device that Automatically Draws Curtains

### Robit Inc.

#### Product Summary

A device for opening and closing curtains automatically that utilizes IoT and can be attached to curtain rails easily.

#### Features

- The curtains automatically open or close at the set time
- The curtains can be opened and closed easily from a smartphone, used like a remote control.
- Up to 4 devices can be connected to 1 smartphone

#### Results

Exposure to the sunlight suppresses secretion of the sleep hormone, and you wake up refreshed.



Product Appearance



## “OpenGate”, Social Networking Service specialized for Physical Challenger.

### Activatelab co.,ltd.

※A physically handicapped person who overcomes his handicap and enjoys life is called a "physical challenger".

#### Service Summary

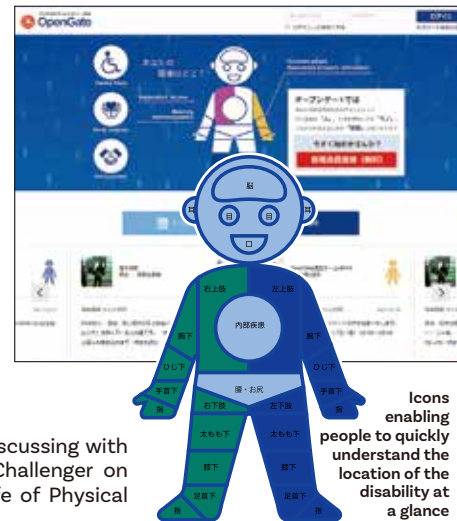
- Social networking service specialized for Physical Challenger.
- Target users are Physical Challenger, their family, caregivers, medical staff, and corporations, etc.
- Operated through advertising fees from businesses providing services related to People with disabilities

#### Selling Points

- Create a community of people experiencing the same troubles due to disability
- A system that provides information on products and services suited to a disability based on registered information about disabilities (information on attributes specialized for disabilities (patented))

#### Envisioned Future Applications

We are also considering starting an e-commerce business which we are currently discussing with home electronics retailers, and a system for posting job postings for Physical Challenger on OpenGate. We are aiming to create a platform that will enhance the quality of life of Physical Challenger.



## QLQL

### QLCLE Inc.

#### Service Summary

- 360° image photography and supply service
- (1)Place the subject on the rotating table and turn it once while photographing it
- (2)Create a 360° image on the server
- (3)Read the automatically generated QR code receipt using a smartphone, etc.
- (4)Image content that can be rotated by touch is delivered

#### Selling Points

- Approximately one minute from shooting to sending using photography equipment developed originally
- High portability, allowing users to hold photography events anywhere
- Can also be posted on social media
- The service is also suitable for products listed on e-commerce sites



#### Envisioned Future Applications

Develop packaging and miniaturize the product so that it can be delivered via parcel delivery service. Consider expanding product target to overseas events.



## “Net Mil”, Online Monitoring Service

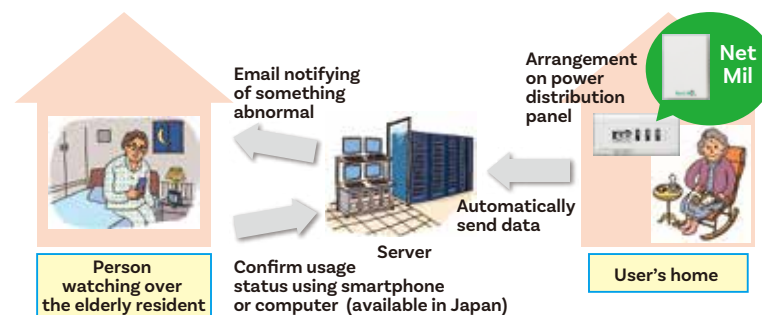
### CICO CORPORATION

#### Service Summary

- A system that monitors changes in the amount of electricity used in a home and confirms the safety of elderly people living alone
- In addition to sending notifications whenever there is anything abnormal, the system also makes it possible for the person watching over the elderly resident to confirm the usage status of electricity at anytime from anywhere using a computer or smartphone

#### Selling Points

- Easy installation to the power distribution panel. (Installation works are not required. Anybody can install it.)
- The system can eliminate the sense of anxiety experienced by people in charge of watching over elderly residents that stems from passively waiting for something abnormal to occur.



#### Envisioned Future Applications

- Cooperation envisaged with local governments as part of regional care services
- We plan to partner with overseas communication carriers so that we can provide monitoring services to overseas residents and travelers as well as residents in Japan.

## Luna Fleuge Flower Clothes ~hanagoromo~

(A service for taking photographs of customers wearing Ikebana flower arrangements that gives foreigners visiting Japan the chance to buy experiences rather than things)

### CITATION JAPAN CO., LTD.

#### Service Summary

- The service allows customers to participate in photo shoots, parties, etc., while wearing Ikebana flower arrangements in their hair or on their body
- Flower artists make use of Ikebana flower arrangements which match the individual customer

#### Selling Points

- Experience wearing fresh flowers, rather than artificial flowers
- Customers can move normally after putting on the flower arrangement
- Photography is handled by a professional photographer

#### Envisioned Future Applications

- We want to provide commemorative photographs (a chance to buy experiences rather than things) for foreigners visiting Japan
- We hope to expand our ~ hanagoromo ~ flower clothes service globally and promote a fusion of Ikebana Japanese flower arrangement and modern fashion



## “Sports Sitter”, Sports Teacher Babysitting Service

### Sports Sitter Japan, Inc.

#### Service Summary

- An outdoor child care service combining a sports instructor with a babysitter
- The instructor picks up the children from school or cram school and provides sports instruction while playing in the park

#### Selling Points

- Also available if there is a sudden illness in the family or overtime at work
- Addresses the decrease in the amount of time children spend playing outside, which is one of the causes of the decline in physical fitness among children
- It is also possible to consult with experienced childcare staff regarding any concerns related to raising children

#### Envisioned Future Applications

- Support parents raising children as a new option for dual-income households
- We would like to provide opportunities for foreign tourists to experience Japanese sports culture.



## Knowledge-Sharing App, TANREN

### TANREN, Inc.

#### Service Summary

- An app for recording and sharing short videos of customer service practice scenes
- The supervisor evaluates and provides instruction by watching the shared video
- The app enables visualization of successful scenarios, etc., and aims to improve customer service skills

#### Selling Points

- By accumulating knowledge and evaluations of that knowledge, the app helps to reveal what type of customer service is achieving results
- By enabling videos to be shared within the company and the group, the app improves training systems without taking too much time

#### Envisioned Future Applications

We would like to make an educational service to train workers in customer service and reception skills in preparation for the Olympic Games and promote "Omotenashi", the Japanese spirit of hospitality.





## Map Collection App, Diground

### Diground Inc.

#### Service Summary

- An app that can embed photos and comments as time capsules in a map and create and share original maps
- Corporate users can use the app to operate stamp rally events (events in which participants collect stamps at events)

#### Envisioned Future Applications

- We will compile guide videos by interpreters, whom there is a lack of nationwide, and create and distribute maps linked with location information
- Visitors to Japan can receive tours from high quality guides at low prices, and interpreter tour guides can acquire new revenue sources

#### Selling Points

- The platform enables users to freely acquire maps created by other users and obtain niche local information
- The platform creates a motivation for users to visit a location and contributes to regional economic activity



## “Leather Circus” connecting rural areas and cities and creating a recycling-oriented ethical brand

### YAMAGUCHI SANGYOU Co., Ltd.

#### Service Summary

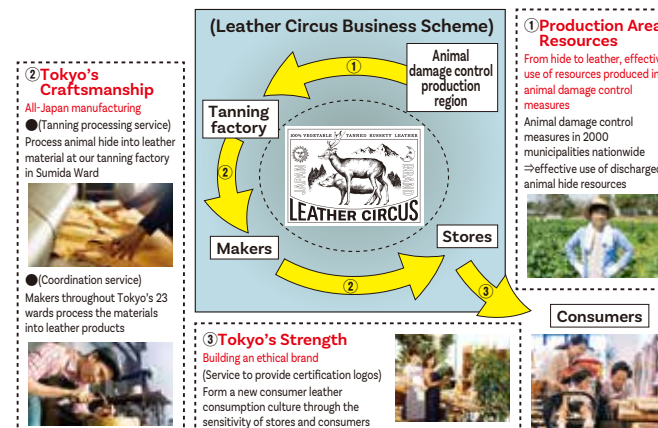
Provides a mechanism to connect regions producing animal skins from animals captured as part of animal damage control measures with leather goods manufacturers, stores, and consumers

#### Selling Points

- Skins from wild boar and deer that were captured as part of animal damage control measures are put to use without waste
- The business builds a win-win relationship between regions producing animal skins, manufacturers, and stores, and utilizes animal hide resources and manufacturing skills

#### Envisioned Future Applications

- Promote an all-Japan ethical brand product through the advanced craftsmanship of Tokyo's local leather production industry
- We would like to formulate a new leather consumption culture by utilizing the benefits of our locale in Tokyo and increasing our ability to convey our message at participatory events for domestic and foreign tourists



## “Yuber Programming School Scratch Course”, Programming learning service for all children and families

### Yuber Programming School

#### Service Summary

- A programming learning service for children using original teaching materials designed with a focus on ease of learning and ease of teaching

#### Selling Points

- Our service offers a low price at less than 50% of major schools, a selection of different learning styles (attending school / homework), and high-quality teaching materials filled with experience-based knowledge. The service gives all children an equal opportunity for learning, regardless of their environment.

#### Envisioned Future Applications

- Our service prepares children for the changing employment landscape, which requires students to learn programming skills and acquire thinking-like ability
- Our service also provides mothers who have retired from the IT industry an opportunity to put their skills to use by selling teaching materials.



## “TABERUKOTO”, This is all you need! A service to help restaurants prepare for inbound tourists

### Lil World Limited Liability Company

#### Service Summary

- The service allows restaurant owners to create multilingual websites and English menus simply by registering their information in Japanese. The service enables restaurant owners to promote their businesses overseas.
- The service enables restaurant owners to easily publish information via professional translations with low usage fees.



#### Selling Points

- Provides restaurant owners a one-stop service to prepare for inbound tourists.
- IT technology enables services to be provided at a low cost
- Restaurant owners can send welcome messages and provide a friendly welcome to customers

#### Envisioned Future Applications

- The number of eating and drinking establishments that can receive visitors to Japan in a friendly manner will be increased and we would like to increase visitors' overall satisfaction with their trip to Japan by increasing the number of restaurants who are prepared to serve foreign tourists and provide them with pleasant dining experiences
- We would like to promote Japanese food around the world
- We would like to provide a system which makes it easy for restaurants to prepare for foreign tourists as a community.