

# Reborn Challenge

## Journal

### Vol.03

A Glimpse into the Future.

We are heading to  
the Expo 2025 Osaka, Kansai, Japan.  
And to the future.

In 2025, over 400 small and medium-sized enterprises and startups  
will show the future at Yumeshima.  
What we envision beyond our efforts is “future society.”

Not only solving social issues,  
but creating a better society with our technology.

With such feelings, Osaka companies are rising up.  
Come, let's take our first step together toward the next era.



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Expo 2025 Osaka, Kansai, Japan Osaka Healthcare Pavilion “Reborn Challenge” PR Magazine

## Reborn Challenge Journal vol.03

Small/Medium Enterprise & Startup Exhibition Planning Committee  
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公益社団法人  
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大阪パビリオン



# A Glimpse into the Future.

The “Reborn Challenge” housed within the Osaka Healthcare Pavilion at Expo 2025 Osaka, Kansai, Japan, sees over 400 small and medium-sized enterprises (SMEs) and startups from Osaka showcase new technologies and products weekly for 26 weeks in line with themes set by the “Reborn Challenge Implementation Body,” sending a message of their innovative technological prowess to the world.

The theme of the Osaka Healthcare Pavilion is “REBORN.” This word carries the message that “people can be reborn” and “take new steps forward.” Through the “Reborn Challenge,” which pursues health and happiness for all people and envisions the near future, we aim to create exhibitions that will help visitors discover new aspects of themselves and trigger actions toward the future.

The PR magazine Reborn Challenge Journal introduces in detail the exhibits and participating companies for each week’s theme. Please come to the venue to see the crystallization of each company’s wisdom and technology.

Healthcare

Lifestyle

Femtech

Energy

Well-being

SDGs

Carbon neutral

Reborn

Technology

Environment

Design

Digital

Art

Smart city

## 2025 Schedule

**Exhibition Schedule** The theme overviews and introductions of exhibiting companies are here ▼

4.13(Sun)~4.20(Sun)	Resona Mirai Color ~Spring~ Future Healthcare	
4.21(Mon)~4.28(Mon)	Resona Mirai Color ~Summer~ Metropolis of the Future	
4.29(Tue)~5.5(Mon)	Innovations Embedded in the Space for a Wellness Lifestyle : The Office Committed to Physical Health and Beauty	
5.6(Tue)~5.12(Mon)	Innovations Embedded in the Space for a Wellness Lifestyle : The Office Aimed at Mental and Cognitive Health	
5.13(Tue)~5.19(Mon)	Rethink Decarbonization Initiatives starting in Towns : Towns and Society, Lifestyles of the Future	
5.20(Tue)~5.26(Mon)	Originating in Osaka! Futuristic Living : Be the Most Excited and Interested Metropolis in the World	
5.27(Tue)~6.2(Mon)	Let’s Create the Future of Humans, Things and Digital Together : Transform Manufacturing of Osaka into Digital Based	
6.3(Tue)~6.9(Mon)	Let’s Envision the Society Everybody Lives Comfortable : The Lifestyle and Workstyle in the Future	
6.10(Tue)~6.16(Mon)	Future Lifestyle ~ Smart Room ~	
6.17(Tue)~6.23(Mon)	Future City Project for Everyone	
6.24(Tue)~6.30(Mon)	“Smart Healthcare Town” Project, a Town Making Fun Tomorrow.	
7.1(Tue)~7.7(Mon)	Carbon Neutral Treasure Hunt ~Technologies Supporting a Comfortable future~	
7.8(Tue)~7.14(Mon)	MOBIO Osaka Pavilion Exhibition: No/BORDER -A Technology Exhibition that Transcends Borders, Barriers, Times, and Limits-	
7.15(Tue)~7.21(Mon)	Power Spots in OSAKA: Small and Medium-sized Enterprises	
7.22(Tue)~7.28(Mon)	A Testing Ground for New Tourism Ventures : Revitalizing Kansai through the Tourism Industry	
7.29(Tue)~8.4(Mon)	Building Together on Our Diverse Foundation for the Future Society	
8.5(Tue)~8.11(Mon)	Academia × REBORN -Harmony between Academia & Society, between Theory & Practice-	
8.12(Tue)~8.18(Mon)	Series A; Selection ~10 Innovators who will Build a Bright Future Society~	
8.19(Tue)~8.25(Mon)	Reborn with Bioplastics	
8.26(Tue)~9.1(Mon)	The Manufacturing SMEs “E, N, NO, SHI, TA” (unsung heroes) that Support Our Lives in the Near Future	
9.2(Tue)~9.8(Mon)	Resona Mirai Color ~Autumn~ Harmony between Japanese Tradition and the Future	P.04
9.9(Tue)~9.15(Mon)	Resona Mirai Color ~Winter~ Future Technology	P.06
9.16(Tue)~9.22(Mon)	Local Factory Entertainment! ~MISERUBAYAO Model~	P.08
9.23(Tue)~9.29(Mon)	Co-creation Project for Future Fashion based on Sustainability	P.10
9.30(Tue)~10.6(Mon)	Aiming to Realize a Wellbeing Lifespan	P.12
10.7(Tue)~10.13(Mon)	Real Solutions for Global Problems: Osaka, the Big Hub of Small Manufacturers	P.14

Exhibits from April 13 to June 16 are introduced in “Reborn Challenge Journal” Vol. 1, and exhibits from June 17 to September 1 are introduced in “Reborn Challenge Journal” Vol. 2.

# Resona Mirai Color ~Autumn~ Harmony between Japanese Tradition and the Future

Reborn Challenge  
Implementation Body

Resona Bank, Limited  
Kansai Mirai Bank, Limited  
The Minato Bank, Ltd  
Saitama Resona Bank, Limited

There are four exhibits from the Resona Group. The third exhibit is “~Autumn~  
Harmony between Japanese Tradition and the Future.” Autumn is known as  
“the season of arts.” This exhibition allows visitors to feel the importance of  
traditional Japanese industries. Furthermore, we hope that the “new  
discoveries” made by combining ancient traditions with future technologies will  
create a fruitful autumn for all visitors. Please visit “Harmony between  
Japanese Tradition and the Future” at the Expo venue.

[Contact]

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Special Website



## A future “key management system” to transform vacant houses into smart rentals

### Experience of Fusion Mixing Tradition & Innovative Technology

We are developing a new key management system called “Smart Lock” that connects with lodging management systems and various web services. It has features such as automatically issuing a QR code key at the time of booking, and being able to monitor the state of entry management and locking/unlocking. At the exhibition, we will introduce a new platform that uses this Smart Lock to rent out vacant houses. This contributes to revitalizing vacant house redevelopment by reducing rental management costs.



## Connecting to the Heart of Japan through the “Hinoki Ring”

### KURIHARA-WOOD-WORK.CO.,LTD

We will display an installation featuring a “Chinowa Ring,” which is traditionally set up in the approach to a shrine in early summer, and a “Hinoki Ring,” which express a Chinowa Ring using wood, allowing people to pass through the rings. The “Hinoki Ring” is created using the latest woodworking machinery, including a 5-axis machining center, through a method of carving rather than bending to produce smooth curves. This installation provides an opportunity to connect with the culture and heart of Japan through the experience of “walking through” and “praying” while raising awareness about the benefits of utilizing thinned lumber effectively to enrich forests.



## A Future Where Agriculture Can Be Practiced Anywhere in the World

### spicecube.inc

We are developing a compact agricultural device called “AGROT” that can be installed with just one power outlet and the space equivalent to one tatami mat. It has a structure that allows anyone to easily farm with simple tasks and no maintenance, and combining it with DAC can contribute to reducing CO2 in the atmosphere. At the venue, we will display this agricultural device and allow visitors to see the vegetables growing firsthand. In the future, we aim to develop and promote a system that absorbs CO2 emitted from offices and living environments into indoor vegetables as the technology of indoor agriculture progresses.



## Uniforms with Both Functional Beauty and Sustainability



### TAMAYURA.CO.,LTD

We will introduce initiatives for sustainable product development, including uniforms made from waste materials, uniform designs that allow for repairs and size adjustments, and a system for reusing uniforms through rentals and maintenance. In terms of design, the uniforms adopt refined designs that enhance worker motivation and universal designs that cater to a wide range of ages and body types. Through the exhibition, we propose the possibilities of future uniforms that combine functionality and design while considering the environment.

## A New Form of Art Combining Traditional Japanese Techniques With Digital Technology

### SEIKADOU CO.,Ltd

We are developing a business that uses “Hyogu,” the technique of pasting cloth or paper to create hanging scrolls and rolled paintings, along with a digital archive for preserving artworks. At the venue, we will offer new experiences through “omikuji” art experiences, displays of artwork panels made with Japanese paper, and introduction videos about “Hyogu” techniques, fusing digital media and art. We will introduce traditional Japanese techniques and rich values such as “replacing” and “repairing,” showcasing the importance of cherishing objects.



## Next-generation Mobility is Set to Revolutionize Transportation!

### AKIBO Corporation

We will be exhibiting “Next-Generation Mobility” featuring technology that allows for safe and comfortable travel anywhere, regardless of road conditions. While the state of road infrastructure varies depending on the country, region, and development level of its infrastructure, we propose future mobility that allows for safe travel in any environment and acts as a communication tool connecting people and places.



## A New Type of Alcohol Made From Wood

### The Ethical Spirits

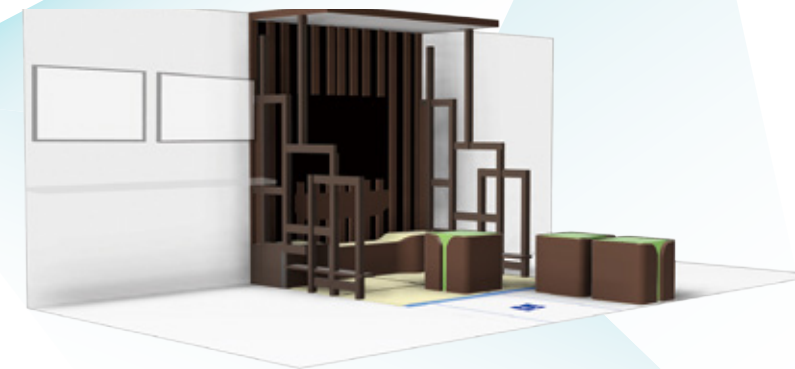
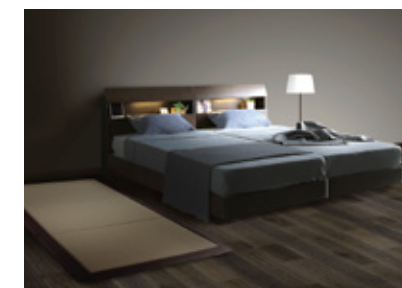
We are developing “Ki no Sake” (wooden sake) by grinding wood and fermenting and distilling it as a whole. While humans have lived and utilized wood since ancient times, eating wood was not possible. However, “Ki no Sake” has created a new culinary culture and added value. We will introduce the background of “Ki no Sake” production, its manufacturing process, and the circular economy system at the venue, and allow visitors to experience its aroma firsthand.



## A Future “Japanese Space” that is Kind to Both Mind and Body

### WeDO Style SEKISUI SEIKEI ~Creating a Healthful Life through Style of Japanese~

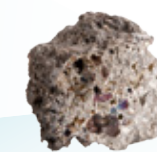
Visitors can experience a new Japanese space by combining the relaxing effects of wood fragrance, safe and secure flooring made with high-impact-absorbing tatami mats, and health management using vital sensors. The exhibition proposes a rich lifestyle provided by a future Japanese space where traditional Japanese materials and beauty converge with technology.



## The Future of Iron Created by Traditional Techniques

### TANABE TATARANOSATO・NCL

“Tatara Iron Making” has evolved uniquely in Japan for centuries. The steel produced by this traditional method, called “Tamahagane,” is also known as a material for sword blades and is now a rare commodity. At the venue, we will introduce the unique charms of the manual techniques “Tatara Iron Making” and “Sakai Uchi-Hamono” through exhibits of actual “Tamahagane” steel, blades, manufacturing process videos, and iron products tailored to modern needs.



## New Form of Learning Realized Through the Metaverse

### Learn More Co., Ltd.

We operate a “Virtual Classroom” where children can learn in a 2D metaverse space. At the exhibition, we will conduct interactive experiences connecting schools across Japan and around the world to the venue and online events utilizing the virtual classroom. We propose a new form of education for the next generation that provides all children with opportunities to learn and connect with society.



# Resona Mirai Color ~Winter~ Future Technology

Reborn Challenge  
Implementation Body

Resona Bank, Limited  
Kansai Mirai Bank, Limited  
The Minato Bank, Ltd  
Saitama Resona Bank, Limited

The finale of the four exhibits by the Resona Group is “~Winter~ Future Technology.” The birth of life in spring requires strength and a stock of food that can withstand the winter. This exhibit will showcase to the world the remarkable technology accumulated by participating companies, like the arrival of spring. We invite you to visit the Resona Group’s “~Winter~ Future Technology” exhibit and feel the breath of the future from cutting-edge technology.

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Special Website



## Connect to the Future of Communication with “FuAra”

iPresence co.,LTD.

We jointly developed “FuAra,” a soft avatar robot that realizes new forms of remote physical communication with Osaka Institute of Technology and others. By adopting a design that evokes a sense of healing and soft materials, and using air pressure to freely move the arms, it is possible to perform actions like remote handshakes and hugs. At the venue, we will provide a new experience of real-time communication with people in remote locations by utilizing motion capture technology, digital twin technology, and a self-driving AI-equipped tele-robot called “temi.”



## Real and Virtual: Window to the World

Atmoph Inc.

We will exhibit “Atmoph Window Yo,” a virtual window that allows you to enjoy scenery from various countries around the world, including 3D virtual cities, which we have captured ourselves. At the venue, you can enjoy the impressive scenery projected in coordination, as well as an interactive experience of peering into the landscape with a telescope-type controller.

## Travel Through Time to 2040 Where Flying Cars Are Commonplace!

General Incorporated Association  
Dream On Management

Experience a future world where flying cars are commonplace through a VR simulator. This organization, which has achieved manned flight with Japan’s first flying car, has created a futuristic cityscape in VR together with junior and senior high school students and companies. At the venue, through this experience, you will travel through time to 2040, a year where flying cars are commonplace, and feel the excitement of the future.



## Visualizing and Analyzing the Vibrations and Sounds of Life Activities

ONKYO CORPORATION

We will exhibit a “Low-Noise Bioacoustic Device” that uses high-sensitivity, low-noise technology to capture the sounds of all life activities and analyze them with the latest AI technology. At the venue, we will introduce future technology that captures real-time changes in health status and the global environment by visualizing and analyzing invisible sounds and vibrations.

## A New Form For Chocolate



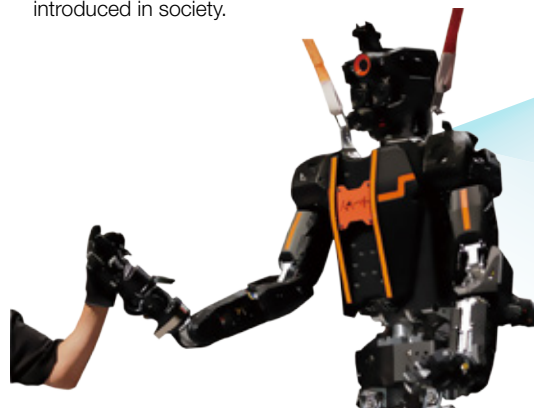
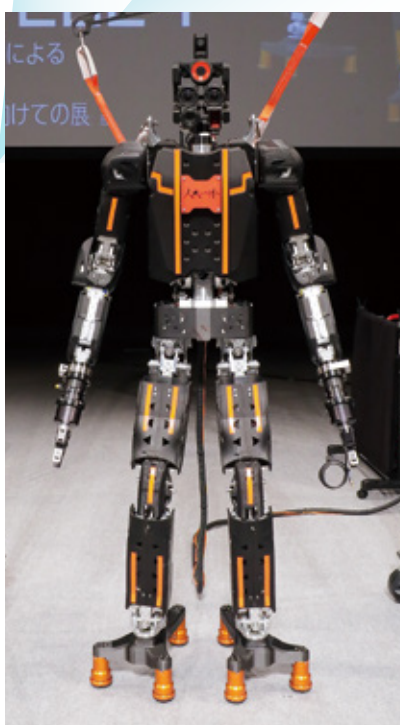
Taniguchi Co., Ltd.

We will exhibit edible “chocolate straws” and chocolate decorations that enhance desserts and drinks, developed utilizing our knowledge of chocolate processing technology and product development. We will also introduce the process of making chocolate from cacao beans and our initiatives based on the SDGs.

## Aiming to Introduce Bipedal Humanoid Robots to Society

Man-Machine Synergy Effectors, Inc.

We are developing a general-purpose bipedal humanoid robot that utilizes technologies such as “Force-Feed Bilateral Control,” which allows the operator to intuitively control it as an extension of their own body, and “Hybrid Autobalance Control,” which balances human judgment and computer control capabilities. We aim to use it in dangerous heavy work and harsh environments. At the venue, we will exhibit the actual product and present a future where this robot is introduced in society.



## Future Healthcare Experience: Diagnosing the Throat with an AI Camera

Aillis, Inc.

We have developed “nodoca,” an influenza test device that uses an AI-equipped camera to photograph the throat, allowing for quick and painless diagnosis. “nodoca” digitalizes throat examinations and comprehensively assists in diagnosing infections based on the condition of the throat and other physical findings. At the venue, we will introduce the future of healthcare where the burden on patients is reduced through actual testing devices and videos.



## Detect Without Destroying! Future Inspections on the Lunar Surface

PONY INDUSTRY CO.,LTD.

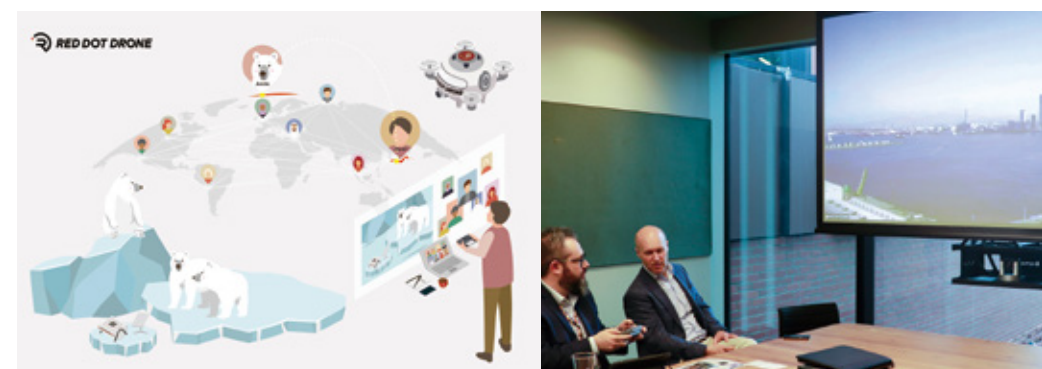
We are developing inspection and measurement equipment using non-destructive inspection technologies, including CT scans. At the exhibition, we will provide an opportunity to experience simulated non-destructive inspections through a VR game that simulates performing an inspection on the lunar surface using CT scans, and introduce the potential of non-destructive inspection in various fields.



## Let’s Fly Around the World with Drones

Red Dot Drorn Japan Co.,Ltd.

We are developing control technology for safely maneuvering drones remotely and software that analyzes captured images with AI to display real-time tourism information. At the venue, we will provide an experience of piloting a drone remotely. We aim for a future where this remote control technology is used in various fields – not only tourism and entertainment but also disaster rescue, inspections, and security.



# Local Factory Entertainment!

## ~MISERUBAYAO Model~

### Let's Play with Press Process Technology!



#### MINAMIDA CO.,LTD.

We are developing products by applying cold forging technology, which shapes metal with pressure at room temperature, to natural materials such as palm tree bark that normally goes to waste. At the venue, we will exhibit a sandbox with toys made with press-processed products and workshops where participants can create their own masks. We will convey the enjoyment of manufacturing and the excitement of technology to children through play.

### “Fun-to-Touch Picture Book” that Lets You Experience Manufacturing Companies’ Technology

#### ABEL Co.,Ltd Uyeda Bisyodo Co., Ltd YAO KANAAMI CO.,LTD

We will exhibit a world-unique “Fun-to-Touch Picture Book” created by renowned illustrator Tomonori Taniguchi, using materials like “Abel Black,” which is an electrolytic coloring method that produces a deep black finish on stainless steel, “Artificial Hair” that reproduces the feel of natural hair through a special cuticle treatment, and “Woven Wire Mesh,” an industrial material used in factory equipment. At the venue, visitors can experience the appeal of the materials that realize each company’s technology firsthand by turning the pages of the picture book and touching them.



### “Lantern Construction Kit” that Teaches Programming

#### Artec Co., Ltd.

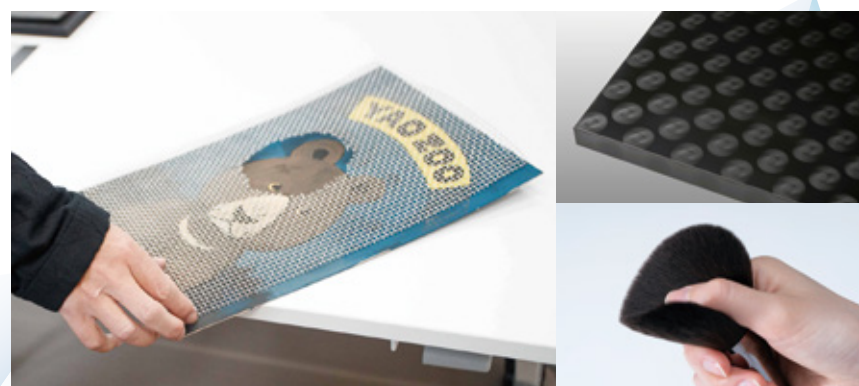
We have developed a programming construction kit in collaboration with local children, students, and companies, on the theme of “disaster preparedness.” Sensors, buzzers, and LEDs can be attached and detached to create a disaster preparedness lantern with various functions. At the venue, through exhibits of these disaster preparedness lanterns and hands-on workshops, we will contribute to nurturing future creators.



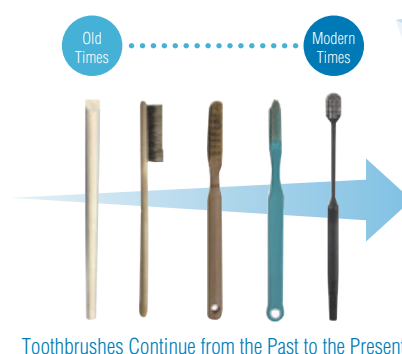
### Experience the Future Created by “Yao Manufacturing”

#### Tomoyasu Works Co., Ltd.

We are in charge of the overall exhibition booth space design for the Yao City Reborn Challenge. We aim to create a booth design that brings together various industries such as chemistry, metal, and plastics, combining art made from scrap and waste materials from factories to create an exhibition space that embodies the technological prowess of Yao, a city known worldwide.



### The History and Future of Toothbrushes that Support Oral Health



Toothbrushes Continue from the Past to the Present

#### YAMATO-ESULON Co., Ltd.

An area where you can learn about the history of toothbrushes for people by touching replicas of those from the past and a display of a giant toothbrush measuring 1 meter long and a miniature toothbrush measuring 1 centimeter, all based on the concept of “a future where all living creatures brush their teeth.” Through this exhibition, we hope that you will feel the importance of toothbrushes, which are essential for a healthy life.



Reborn Challenge  
Implementation Body

Yao City

Yao City, a small manufacturing town in Osaka, Japan, will utilize its collective of local factories known as MISERUBAYAO to promote interest both domestically and internationally, in the products, the process, and our unique community of manufacturers. Under the banner of “Yao City Open Factory,” visitors will be able to experience a behind-the-scenes look at the high level of technology and traditions that are fostered in Japan’s manufacturing industry. By experiencing ideas, perspectives, and materials that stimulate creativity, we aim to have a hands-on exhibition that will be exciting to visitors and hopefully inspire future generations of creative minds.

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Special Website



### Bringing New Value to Iron Cookware!



#### FUJITA METAL MFG CO., LTD

We have developed “Femtech Tumblers” that supplement iron and help address the common problem of iron deficiency among women, as well as frying pans with handles made from various scrap materials. By exhibiting these products, we aim to inspire visitors to feel the new possibilities of iron cookware that will enrich their future lives.

### Discover the future of hand washing with our innovative, plastic-free hand soaps



#### Kimurasoap industries Co., Ltd.

We’re showcasing two unique concepts: a “container-you-can-use” hand soap, where both the container and the soap inside are made entirely of soap, and a semi-solid cube soap that combines the benefits of both solid and powdered soaps.

Both eliminate the need for plastic containers, offering a more sustainable choice.

Come experience these next-generation hand soaps, thoughtfully created under the theme of “Earth-friendly choices,” at the Expo.

### Future Cosmetics that Do Not Require Plastic Containers



#### Max Co., Ltd.

We are developing various solid cosmetics by applying the “solidification technology” cultivated through soap manufacturing. At the Expo, we will display solidified shampoo, lotion, and peel-off masks made with natural ingredients. We propose future skincare products that contribute to plastic reduction by eliminating bottles.

### Expanding the Possibilities of Silicone Rubber



#### Kinjo Rubber Co., Ltd.

We will introduce “Wa-Silicone,” which integrates washi paper and silicone rubber, and “Silicone Diamond,” a high-transparency silicone rubber processed and molded to resemble glass. Through the exhibition of these products that don’t appear to be rubber at first glance, we will depict a future where rubber materials are utilized in various everyday items.

### Bringing the Traditions of the Edo Period to Future Lifestyles



#### Daiichisougei. Co., Ltd.

We are utilizing the techniques we have cultivated in the production of fukusa, a traditional Japanese culture, revivetheoncefamous “Kawachi cotton” of the Kawachi region as an industry. At the venue, we will introduce cotton grown in Yao City, traditional methods and weaving processes, conveying the importance of creating products that utilize nature’s blessings and aiming to provide hints for a sustainable future.



### The World of Buttons Where Delicate Technologies Shine

#### KANE-M INDUSTRY CO.,LTD.

We will introduce a technique called engraving that etches fine designs onto buttons and grommets which are used on our clothes, shoes and other items, along with a new style rivet head newly developed this year. At the venue, through experiences making good-luck key rings with “Omikuji Buttons” using this engraving technique, visitors can explore the world of everyday buttons and rivets.

# Co-creation Project for Future Fashion based on Sustainability

Reborn Challenge  
Implementation Body

The Osaka Chamber of  
Commerce and Industry

Kansai Fashion  
Association. co-op

This project aims to carry forward the spirit of collaboration that defines Osaka's textile and fashion industries while fostering interaction across various sectors. This synergy will lead to the rebirth of new values, inspiring the creation of innovative ideas and products. These achievements will be widely showcased to society through the Osaka-Kansai EXPO as sustainable initiatives that bridge the past with the future.

Special Website



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TEL: 06-6944-6493 E-mail: occi6493@osaka.cci.or.jp

## Shoes that Float in Mid-Air

Regeta Co., Ltd. /  
YAMAMOTO CORPORATION

We will exhibit "Shoes that Float in Mid-Air," which utilize magnetic repulsion to float and are crafted from special rubber materials. Surely everyone has dreamt at least once of floating in the air. With these shoes that bring a thrilling future to life, we aim to provide walking enjoyment while also considering their application in the caregiving field for individuals with weakened legs and feet in the future.



## Rainbow-colored Clothes for the Future Diverse Society

bluorange / Care Fashion Co., Ltd. /  
YAMAMOTO CORPORATION

We will exhibit "Space Dresses" designed based on the fashion imagined for people living in space. By utilizing optical illusions, we have incorporated a form that naturally complements the male skeletal structure and materials that change color with the viewing angle, resulting in "seven transformations" of color. By incorporating the rainbow, a symbol of diversity, we aim for a future where everyone can enjoy fashion freely, transcending boundaries of age and gender.



## Car Airbags Transform into Clothing

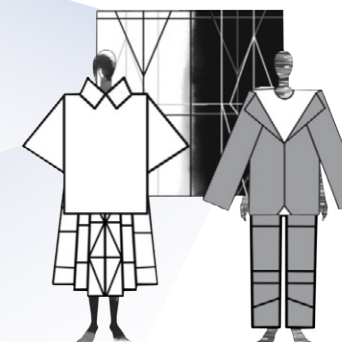
OSAKA INSTITUTE OF FASHION /  
Yoshimura Industry co.ltd,

We will exhibit a suit made by repurposing car airbags. Inspired by origami, Osaka Institute of Fashion students designed a concept where changing the folding method of a single piece of cloth transforms it into either a shirt or a jacket. At the venue, through this exhibition, we present sustainable fashion for the future, including material reuse and reducing clothing waste.

## Suit that Transforms Through Jet-Black Dyeing

OSAKA INSTITUTE OF FASHION /  
Kyoto Montsuki Inc.

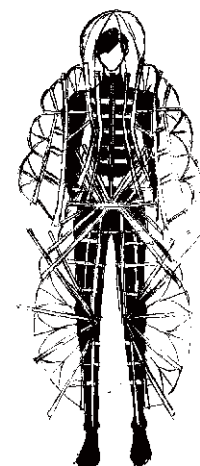
We will exhibit a suit that undergoes transformation through "Kyo kuromontsuki zome Dyeing," a traditional Japanese craft technique, where it is dyed black. By dyeing the suit, it takes on a different appearance before and after, allowing you to continue enjoying it without discarding it. Along with showcasing the enjoyment of sustainable fashion, we will also pass on traditional Japanese techniques to the next generation.



## Clothes that Envelop Air

Care Fashion Co., Ltd. /  
YAMAMOTO CORPORATION

We will present "Clothes that Envelop Air," designed to enclose the body within an air dome, ensuring air circulation and incorporating functionality for temperature regulation and oxygen supply. The suit inside is designed to be easy for anyone to put on or take off, and also offers blood circulation promoting features. As global warming and air pollution progress, how will "air" change and how will our lives be affected? Through this exhibition, we aim to provide an opportunity to reflect on the importance of "air," which is essential to everyone.



## WakuWaku Zone

YOSHIDA., LTD. /  
YAMAMOTO CORPORATION

We present "Hats that Envelop Air," created by imagining a future spent in the air. These hats have a unique double-layered structure, where a rubber hat shaped to perfectly fit the head is wrapped with soft fabric. We aim for a future where hats serve as a catalyst for conversation and smiles, regardless of changes in the times and the environment.



## Hats that Envelop Air

## Solar-powered Loom



OSAKA INSTITUTE OF FASHION /  
Sankei Meriyasu co.,ltd.

We will introduce the loom used to create the clothes exhibited in the "KuruKuru" Zone. This vintage loom, which is currently only used in parts of Japan, consumes little electricity and can be powered by solar energy. Through this exhibition, we aim to provide an opportunity to think about the future of eco-friendly clothing manufacturing.

## KuruKuru Zone

## Bodysuit Created by Unraveling Fabric Back Into Yarn

OSAKA INSTITUTE OF FASHION /  
Kyoto Montsuki Inc. /  
Sankei Meriyasu co.,ltd.

We will exhibit a bodysuit created using a challenging craftsman's skill: unraveling fabric made on a loom back into yarn and weaving it again. This reborn fabric possesses its own unique charm. By introducing this technology, we propose a new way of making clothes that keeps clothing from ending up in landfills and promotes circularity.



## Kimono Made From Air

OSAKA INSTITUTE OF FASHION / Marujiyu

We will exhibit a kimono made from fabric woven with "POM fibers," which are eco-friendly synthetic resins created from air components. The surface features a Billiken pattern designed by students at Osaka Institute of Fashion. Through the creation of this kimono, where tradition and innovation converge, we strive to pass on the baton of craftsmanship to the next generation.



## Synthetic Leather Made From Inedible Rice

OSAKA INSTITUTE OF FASHION /  
TAIYO SYOUTEN CO.,LTD /  
HOKKOH CO LTD

We will exhibit clothes made from synthetic leather produced from rice. The raw materials include discarded old rice and rice grown in fields left fallow due to the effects of the Great East Japan Earthquake. Furthermore, waterless printing is used for the synthetic leather flowers blooming on the clothes, and through this exhibition, we present a future of sustainable fashion that is gentle on the Earth.



## Photosynthetic Clothing: Kind to Your Skin and the Earth

TOKI SEN-I CO.,LTD. /  
Omikenshi Co.,Ltd. /  
Matsuo International Corporation /  
Momotanijuntankan Ltd.

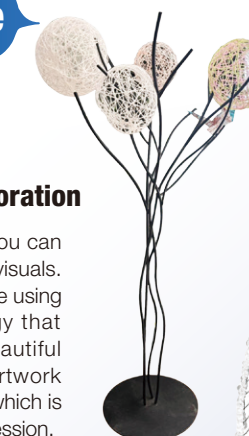
We produce "Photosynthetic Clothing" where plants are embedded in the fabric, expressing symbiosis with nature. The fabric used incorporates a moisturizer with moisturizing effects, and at the venue, visitors can experience the effects of this fiber on their skin through a mini-game that eliminates harmful bacteria that cause skin problems.



## Future "Scent" Experience

Momotanjuntankan Ltd. /  
Omikenshi Co.,Ltd. /  
TOKI SEN-I CO.,LTD. /  
Matsuo International Corporation

A future living experience where you can feel "scent" along with sound and visuals. We will exhibit a "fruit" artwork made using yarn and fitted with a technology that releases a scent in sync with beautiful Japanese scenery videos. The artwork offers a new way to enjoy "scent," which is one element of fashion for self-expression.



## "Clothing of Hope": Connecting the Next Generation with Peace

Omikenshi Co.,Ltd. /  
TOKI SEN-I CO.,LTD. /  
Matsuo International Corporation /  
Momotanijuntankan Ltd.

We created children's clothing from fabric made from recycled origami cranes sent to Hiroshima and Nagasaki from around the world, expressing hopes for peace. Along with the display of this "Clothing of Hope," the exhibition conveys a message of connecting generations toward peace through the scent of roses and visuals.



## "Billiken" that Protects Everyone's Happiness

OSAKA INSTITUTE OF FASHION /  
TAIYO SYOUTEN CO.,LTD /  
HOKKOH CO LTD / Marujiyu /  
ROICE ENTERTAINMENT INC.

"Billiken," a symbol of Osaka, crafted using 3D modeling technology. During the exhibition, he transforms into Cupid and wears clothes made from "kimono fabric created from air" and "synthetic leather made from rice." Come visit this "God of Happiness" adorned in clothes crafted with the latest technologies from Osaka's textile industry.



## Explore the Background of Fashion with AR Technology

OSAKA INSTITUTE OF FASHION /  
ROICE ENTERTAINMENT INC.

Within the "BillyBilly" zone, by pointing your smartphone at exhibits, you can see the back of the clothes and the details of the fabric in 3D. Through this cutting-edge AR technology, we aim to provide an opportunity to learn about the background of sustainable fashion and think about future fashion trends.



## BillyBilly Zone

## "Transparent" Clothes?!

Matsuo International Corporation /  
Momotanijuntankan Ltd. /  
Omikenshi Co.,Ltd. /  
TOKI SEN-I CO.,LTD.

We will exhibit a garment that utilizes an optical camouflage technology employing fabric with light-reflecting properties and projectors to project images onto it, making it appear as if it merges with the surrounding scenery like a chameleon. This creates a mystical experience of becoming one with nature.



## KiraKira Zone

## Protecting the Beautiful Ocean with Biodegradable Plastic

Omikenshi Co.,Ltd. / TOKI SEN-I CO.,LTD. /  
Matsuo International Corporation /  
Momotanijuntankan Ltd.

We created a "Sea Turtle" artwork made from biodegradable plastic material that decomposes in the ocean. The exhibition aims to promote the idea that replacing conventional plastics with biodegradable ones protects marine ecosystems including sea turtles and combats ocean pollution.



# Aiming to Realize a Wellbeing Lifespan



## A Future Without Lymphedema

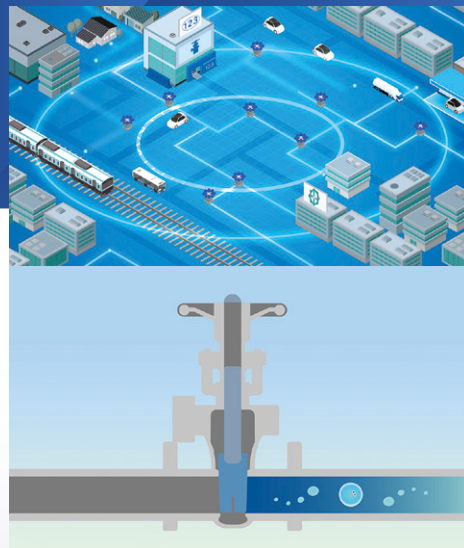
### TECHNO TAKATSUKI CO.,LTD.

We are developing a device capable of performing sensitive treatments comparable to manipulative therapy for "Lymphedema," a condition caused by cancer treatment. By sharing treatment history and other information through a dedicated app, patients can receive tailored treatment that not only prevents a decline in quality of life (QOL) but also promotes lymphedema prevention, offering the prospect of a future where lymphedema is eliminated.

## Supporting the Future Hydrogen Society with Valve Technology

### Hisakado Co.,Ltd.

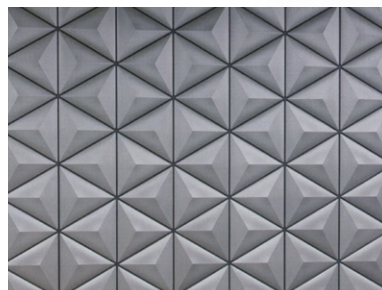
This exhibition highlights the crucial role valves play in realizing a hydrogen society, essential for decarbonization. A video demonstration presents how realizing the hydrogen society could result in hydrogen being used in many aspects of life and industry, and how replacing petroleum and natural gas with hydrogen could reduce environmental impact.



## Aluminum Building Materials and Advanced Technologies Converge

### YASUDA Co.,Ltd

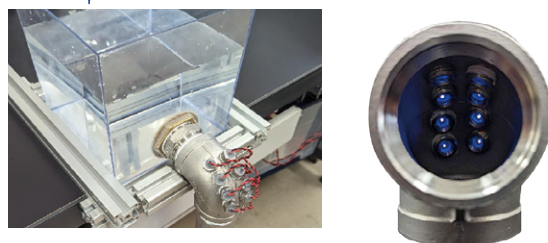
We will exhibit an aluminum exterior cladding material called "Asa no Ha Panel" inspired by the traditional Japanese pattern "Asa no Ha." This new eco-building material, made from recyclable materials, boasts high insulation thanks to its double-skin structure and is VOC and PFAS-free, offering a safe and comfortable living environment for people worldwide.



## Sterilization Purification System with Next-Generation LEDs

### Fujikin Incorporated

This water purification system uses a filter unit and next-generation LED technology to fully sterilize raw water from the tap, producing safe drinking water. Through this exhibition, we will propose a future at the venue where this LED technology, which deactivates bacteria, could potentially be used for not only water but also air purification.



## "Maintain an Unchanged Lifestyle Forever" with Future Artificial Hip Joint Components

### Kida Valve Ball Co.,Ltd.

We will introduce a video about future artificial hip joint components tailored to individual patient anatomy utilizing detailed image diagnosis supported by AI systems. The video emphasizes the importance of maintaining an unchanged lifestyle and showcases the manufacturing technology used.



## IoT Technology for More Accessible Aquariums

### GEX Corporation

We will introduce a "Future Aquarium" featuring remotely controllable IoT, water recycling, and a projection system that simplify maintenance and offer new ways to enjoy the aquarium experience. At the venue, visitors can enjoy a real fish tank filled with water, fish, and aquatic plants, allowing them to experience the calming and rejuvenating effects of aquariums firsthand.



## Future Chairs that Support Independent Living

### KOMURA CORPORATION

We will show a video and actual model of a "mobile elevating chair" equipped with a spatial recognition function to assist movement within homes and AI functions that learn living rhythms and detect abnormalities. We envision a future where individuals with disabilities can live more independently and fulfill their desired lifestyles.

Reborn Challenge Implementation Body

Association for Rational Administration (Osaka)Inc.

Everyone desires a wellbeing life, but various changes inevitably occur. In this project, we will harness ICT technology alongside the specialized cutting-edge expertise of Osaka's small and medium-sized enterprises to overcome these hurdles. Our goal is to create a life where you can go wherever you want without hesitation, stay connected with others, enjoy fun, healing, learning, laughter, and experience a life filled with care and support. Additionally, we will address various social issues as part of this initiative.

[Contact]

Contact Window: Expo staff TEL:06-6944-6493 E-mail:occi6493@osaka.cci.or.jp

Special Website



## The Future of Electric Mobility - Wheels That Expand Possibilities



### FUJI SEISAKUSHO CO.,LTD.

We will present a panel display on the topic of future new mobility, introducing the concept of "Omniwheels," wheels capable of 360° rotation, integrated with advanced technologies like vertical movement, AI functionality, and environmental protection features. This innovation promises to increase freedom of mobility and create a more comfortable future for everyone.



## "Connecting" On-the-Go Support AI App

### Kawamura Gishi Co.,Ltd.

At the venue, we will introduce a video showcasing an "On-the-Go Support AI App" equipped with AI technology that searches for appropriate routes based on the user's physical condition, such as using a wheelchair, and a function that allows users to request assistance from others in case of emergencies during travel. This app aims to create a society where everyone can move safely and smoothly.



## Bringing Stars Together Across Time and Space

### Shinko Shuppansha KEIRINKAN Co., Ltd.

We will provide an opportunity for visitors to learn about diverse peoples and cultures by experiencing the varied appeal of constellations through a "Diverse Universe Star Chart" that allows visitors to observe constellations from various eras and cultures simply by changing them and a VR video that allows visitors to learn about constellations.

## Ballpoint Pen Showcasing Traditional Japanese Craftsmanship to the World

### Sekisei Co., Ltd.

We have developed a ballpoint pen that features Wajima-nuri, a traditional Japanese lacquerware technique. At our exhibition booth, visitors can appreciate the deep jet-black lacquer and the intricate maki-e designs unique to Wajima-nuri. We also highlight the features of our eco-friendly, sustainable black ink, and share the joy and emotional value that the simple act of writing can bring.



## Handmade Crafts for Happy Times

### CLOVER MFG.CO.,LTD.

Through video footage showcasing individuals engaged in collaborative crafting activities and their beaming smiles upon completing their creations, together with actual handcrafted works, this exhibit highlights how handmade crafts foster connection with people and society, and how the mental stimulation contributes to achieving a fulfilling life.



## A Future Where Showers Are Available Even in Water-Scarce Environments

### SIRIUS Co.,Ltd.

We introduce a video about a "Portable Body Washer" equipped with a water-recycling and purification function and a function that detects skin condition to adjust the water temperature accordingly. This innovation enables showering with a minimal amount of water in a limited space, contributing to maintenance of hygiene in environments with scarce water resources such as droughts or disasters.

## Eradicating Loneliness in Childrearing



### MEDICUS SHUPPAN,Publishers Co., Ltd.

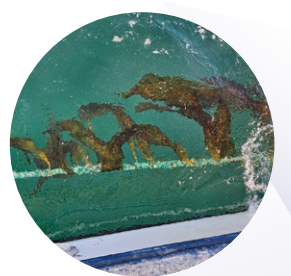
At the venue, we will screen a film depicting the future where medical institutions and administrative bodies capture, in a timely manner, struggles and concerns of expectant and nursing mothers during childbearing and childrearing and provide support to them, which enables those mothers connect with their community and raise children with peace of mind and happiness.

## Family is the Best!



### GEN Co., Ltd

We will introduce a video about the evolved style of business travel, business hotels, and care facilities that Super Hotel Group envisions 20 years from now. We will provide an opportunity for visitors to sense the enduring bonds of family despite the ever-changing times.



## A Future Material from Kelp

### MAIKON NO KOUHARA Co., Ltd.

We have developed an edible film created by transforming water-soluble dietary fiber "algininate" found in kelp into sheets. At the venue, we will exhibit face masks made using this technology that melt into your skin and disappear and information about our new challenge: cultivating kelp in Osaka Bay. We will introduce initiatives to reduce environmental impact through the use of kelp.

# Real Solutions for Global Problems : Osaka, the Big Hub of Small Manufacturers

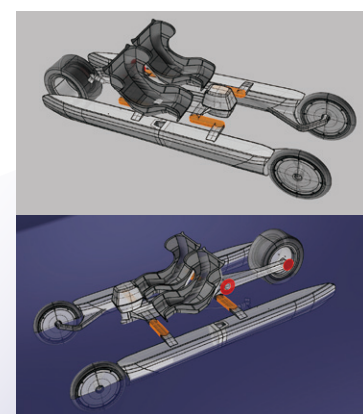


## Flying Truck "Zipang"

### Zipang Airship Project: Challenging by 13 Samurai Manufacturers

Seiko Seimitsu Co., Ltd./Kasatani Co., Ltd./  
Nojima CO.,LTD./Crosstech Co.,Ltd./  
Nakahashi Factory/Koyo Shokai Co., Ltd./  
HIRAGITANI WELDING/Doi Shoten Co., Ltd./  
Nishimura Ironworks/KDP Co., Ltd./Minami Gearworks Co., Ltd./  
TOA SEIKEI CO., LTD./Ikeda Ironworks Co., Ltd.

Thirteen small local factories, along with technicians passionate about aeronautics, have come together to develop an airship equipped with an innovative "variable buoyancy function." This "flying truck" can transport goods to remote locations and mountaintops by adjusting its buoyancy. We will introduce the revolution in logistics that this new airship will bring to future societies.



## Future Amphibious Mobility

### Lightweight amphibious mobility

INDEX Inc./Fuji Koushuha Industry Co., Ltd./  
Toyosato Metal Industry Co., Ltd.

We will exhibit a two-seater amphibious vehicle that offers compact mobility for easily navigating islands. The vehicle (3 meters long, 1.8 meters wide, 1.5 meters high) features a variable width body that allows it to expand on the water and narrow on land, improving stability and maneuverability. Equipped with a 2-horsepower general-purpose engine, it uses a chain and propeller to operate on land and water respectively, creating a compact specialty vehicle.

## Innovation in Machining!

### Manufacturing Integrator 5

Yamamoto Metal Technos CO.,LTD./Yamamoto Metal Industry Co.,Ltd./  
Yamamoto Precision Co.,Ltd./Yamamoto Seiki Co., Ltd.

We are developing a system that automatically assembles production lines based on different product requirements, and another system that allows real-time management of all information from various production sites. At the venue, we will propose the sustainable future of factory floors through an exhibit of an "autonomous remote unmanned production line" using this technology.



## A Wheelchair that Makes Travel Enjoyable

### Road to 2050, the First Step to Comfortable Life

NISHITO SPRING MFG. & CO.,LTD./Sanwa Electric Industry Co.,Ltd./  
SANKYO MFG.CO.,LTD./Asahi Electro Chemical Co.,Ltd.

We are developing a "next-generation wheelchair" equipped with a mechanism that maintains a level seating surface even on sloped terrain. By exhibiting this wheelchair that enables safe and smooth movement even on inclines, we aim to realize a society where everyone can enjoy mobility.



## Living a Healthy Life Until 120 Years Old



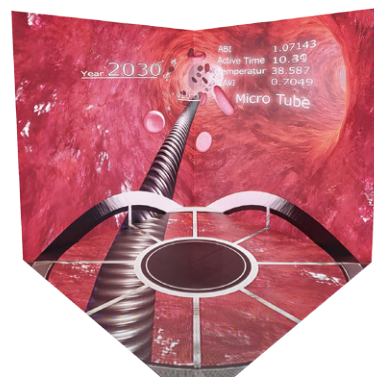
### BE 120 MUSCLE CORPORATION/ NUMATA CORPORATION

Recent advancements in DNA-level preventive medicine and treatment using iPS cell technology have garnered significant attention. This exhibit highlights the potential for humans to live up to 120 years if healthy, showing that understanding one's own body at the DNA level and implementing appropriate measures is the first step toward a future society where people can thrive.

## Future Experience of Flexible Hose & Bellows

### OSAKA RASENKAN KOGYO CO.,LTD.

We will exhibit ultra-fine "flexible hose" and foldable "metal bellows" using spatial VR. With potential applications in the medical and space industries, we will provide new value for future society.



## Blood Glucose Measurement Without Injections

### A-yanai-ka(isn't it great?)

Light Touch Technology Inc.

We have developed a "Blood Glucose Measurement Sensor" using state-of-the-art laser technology that can measure blood glucose levels by simply shining light on the hand for just five seconds. We will display the actual model of this safe and convenient non-invasive device along with a video.



## Co-Creation Leads to Manufacturing Innovation

### Living Lab: Osaka & Kansai

KOBATA GAUGE MFG. CO.,LTD./HIKARI MACHINE INDUSTRY CO.,LTD./  
OZK Co.,Ltd./Nippon Denki Kenkyusho Co.,Ltd./Nishimura Ironworks/  
Doi Shoten Co., Ltd./Minami Gearworks Co., Ltd./  
Yagura Ironworks Co., Ltd./Ikeda Ironworks Co., Ltd./  
BellChild Co.,Ltd./Yamada Seisakusyo/  
TOA MUSENDEKIKI CO.,LTD./Kitahama Chemistry Co.,Ltd

Through panels and videos, we will introduce the process up to developing a product (prototype) whereby companies from diverse fields work together to address familiar healthcare challenges, focusing on the user perspective to create services and products based on the "living lab format."



Reborn Challenge  
Implementation Body

The Osaka Chamber of  
Commerce and Industry

The Osaka Shinkin Bank

Innovative, practical, lifestyle-friendly, and SDG-oriented: Osaka's famed local manufacturers have combined their ingenuity and craftsmanship to develop products that not only present real solutions to actual problems, but that are also highly marketable. The Osaka Healthcare Pavilion is not just a showcase, but a springboard to post-expo product and market development; these items and more will be available to see, touch, and try during the expo, so come and find out why Osaka's manufacturing SMEs have earned a widespread reputation for excellence.

[Contact]

Contact Window: The Osaka Chamber of Commerce and Industry, Small Business Promotion Division  
TEL:06-6944-6461 E-mail:monokakou@osaka.cci.or.jp

Special Website



## IC Tags for Disaster Victim Search and Rescue



Wristwatch-type IC Tag

Disaster Victim Search Device

### Disaster Survivor Detection System Development Group

Matrix Inc./MIMAMORUME CO.,LTD./  
Asahi Electro Chemical Co.,Ltd.

We will introduce a device that uses an IC tag worn on the wrist to detect biosignals, allowing rescuers to quickly locate victims trapped under debris during disasters. This detection system dramatically increases the speed of locating victims, contributing to rescue efforts.



## Automatic Onigiri Cooking Machine

### Hearty ONIGIRI to Make You Smile

UNICS CO., LTD./  
MASSCOAL CO., LTD./  
Tamura Teco Co., Ltd./  
NICO-NICO NORI INC./  
KIMURA ALUMI-HAKU CO., LTD.

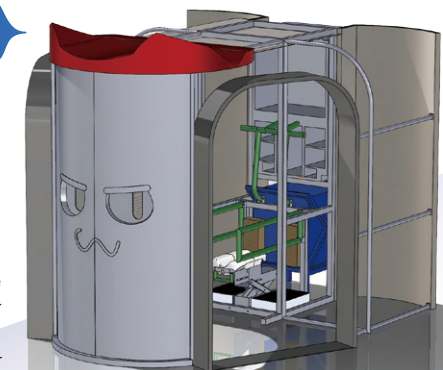
We are dedicated to developing an automated machine that provides fresh, ward Onigiri. (Japanese rice balls). At this event, we exhibit a new technology that makes it easy to prepare delicious Onigiri-a Japanese soul food-which is gaining popularity around the world.

## Transforming Lockers into Disaster Relief Facilities!

### Disaster Prevention Locker Project with J

Suzuki Printing Industries Co., Ltd./Osaka Jonan Women's Junior College/  
d;Frontia Co., Ltd./Yagi Industries/Smile Kids Co., Ltd./  
Sawada Manufacturing Co., Ltd./Yoshihara Construction Industry Co., Ltd./  
Kouei Chemical Co., Ltd./TOWA-KIKI, INC./Shizukuio

We will exhibit a "Disaster Prevention Locker with a Multipurpose Space Expansion Function" equipped with assembled tents, toilet kits, and other emergency supplies. These lockers, installed in parks, serve as multipurpose spaces and disaster relief stations, providing essential support in times of emergency.



## Visualizing Emotions through Facial Expressions

### The Future is Here: Emotion Sensing Technology

KOHINATA LLC

We have developed technology that analyzes facial expressions captured by a camera to estimate and visualize emotions. At the exhibition, we will introduce a future where this "emotion sensing technology" is used to enhance emotional understanding of others, leading to higher-quality support in fields like nursing care and education.



## Future Cosmetics: deoxidization method technology



### "Deoxy" Fresh Cosmetics

PRIMALL COSMETICS CO.,LTD./MASSCOAL Co.,Ltd.  
KOTOBUKI PERFUMERY CO.,LTD./

We are developing cosmetics utilizing a "deoxidization method," that prevents oxidation of ingredients, preserving the freshness of natural scents and colors. At the venue, visitors will experience firsthand the vibrancy of natural scents and colors achieved through this future cosmetic technology.

## Custom-made Cosmetics Tailored to You

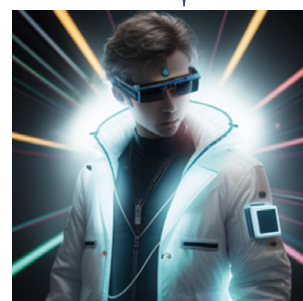


### Custom-made Cosmetics that Make Dreams Come True

KOTOBUKI PERFUMERY CO.,LTD./PRIMALL COSMETICS CO.,LTD.

We are researching and developing customized cosmetics by culturing individual stem cells and incorporating them into products. At the venue, we will exhibit the cell culture process, an AI-powered fragrance suggestion system based on your current mood, and an app that provides a simulated experience of Original container design. We hope you will join us to experience future custom-made Cosmetics.

## Automatic Temperature-Regulating Clothing



### Products that Bring HAPPY & WOW to the World (automatic temperature adjustment clothing)

TOHAN DENSHI KIKI CO.,LTD./AT CO.,LTD./  
NSW inc./MASSCOAL CO.,LTD./Earth Watch Institute, Inc./  
HAKATTE, Inc./Osaka Heat Cool Inc.

We will exhibit clothing equipped with a function that automatically adjusts to an individual's comfortable temperature by monitoring their biodata. Through this exhibit, we will introduce at the venue a future where people can work comfortably even in extreme environments like scorching heat or inside freezers by using this technology.

## Eliminating Wasted Fish



### Osaka's Small Factories Take on the Challenge of Utilizing Unused Fish!

TOYO SUISAN KIKAI CO.,LTD./  
Taiyo Corp./Tamax Co.,Ltd./  
Hatta Co.,Ltd./Nakahashi Factory/  
Soko Electronics Co.,Ltd.

We have developed a device that uses AI to automatically sort and process "unused fish," those currently discarded without being sent to market. Through this exhibit, we will introduce a future at the venue where this device contributes to addressing food scarcity by paving the way for unused fish to be utilized effectively.

## A Future Circular Food System

### Aim for Zero Hunger! Making the World Smile with Osaka Food

ACE SYSTEM Co.,Ltd./RIKUSUI Co.,Ltd/TERRA Co.,Ltd

By leveraging our expertise in food processing machinery manufacturing and aquaculture, we are developing a "circular food system." At the venue, under the theme "Starting a revolution in global food from Osaka! Making children around the world smile through food," we will propose solutions to global hunger issues through a 3D hologram video.



## The Automation of Agriculture: Introduction of AI Technology

### Healthy Smile Agriculture

ARIMITSU INDUSTRY CO., LTD./NT Giken Industries Co.,Ltd.

At our booth, technologies for efficiently spraying agrochemicals with minimal water, automating agrochemical spraying operations, and utilizing solar power will be exhibited. It will also introduce future sustainable agriculture that improves agricultural efficiency and reduces the burden on workers and the environment.



9.2(Tue) - 9.8(Mon)

Resona Mirai Color ~Autumn~  
Harmony between Japanese Tradition and the Future

> P.04

Implementation Body

Resona Bank, Limited [Kansai Mirai Bank, Limited, The Minato Bank, Ltd., Saitama Resona Bank, Limited]

Special Website ▶

Exhibiting Companies

AKIBO Corporation  
WeDO Style SEKISUI SEIKEI  
~Creating a Healthful Life through  
Style of Japanese~ (\*)  
Experience of Fusion Mixing  
Tradition & Innovative Technology (\*)

The Ethical Spirits  
KURIHARA-WOOD-WORK.CO.,LTD  
spicecube.inc

SEIKADOU CO.,ltd  
TANABE TATARANOSATO・NCL (\*)  
TAMAYURA.CO.,LTD

Learn More Co., Ltd.

9.9(Tue) - 9.15(Mon)

Resona Mirai Color ~Winter~    Future Technology

> P.06

Implementation Body

Resona Bank, Limited [Kansai Mirai Bank, Limited, The Minato Bank, Ltd., Saitama Resona Bank, Limited]

Special Website ▶

Exhibiting Companies

iPresence co.,LTD.  
Aillis,Inc.  
Atmoph Inc.

ONKYO CORPORATION  
Man-Machine Synergy Effectors, Inc.  
Taniguchi Co., Ltd.

General Incorporated Association Dream On Management  
PONY INDUSTRY CO.,LTD.  
Red Dot Drom Japan Co.,Ltd.

9.16(Tue) - 9.22(Mon)

Local Factory Entertainment! ~MISERUBAYAO Model~

> P.08

Implementation Body

Yao City

Special Website ▶

Exhibiting Companies

Artec Co., Ltd.  
ABEL Co.,Ltd  
Uyeda Bisyodo Co., Ltd.  
KANE-M INDUSTRY CO.,LTD.

Kimurasoap industries Co., Ltd.  
Kinjo Rubber Co., Ltd.  
Daiichisougei. Co., Ltd.  
Tomoyasu Works Co., Ltd.

FUJITA METAL MFG CO., LTD  
Max Co., Ltd.  
MINAMIDA CO.,LTD.  
YAO KANAAMI CO.,LTD

YAMATO-ESULON Co., Ltd.

9.23(Tue) - 9.29(Mon)

Co-creation Project for Future Fashion based on Sustainability

> P.10

Implementation Body

The Osaka Chamber of Commerce and Industry [Kansai Fashion Association. co-op]

Special Website ▶

Exhibiting Companies

Omikenshi Co.,Ltd.  
Kyoto Montsuki Inc.  
Care Fashion Co., Ltd.  
Sankei Meriyasu co.,ltd.  
TAIYO SYOUTEN    CO.,LTD

TOKI SEN-I CO., LTD.  
blurorange  
HOKKOH CO LTD  
Matsuo International Corporation  
Marujiyu

OSAKA INSTITUTE OF FASHION  
Momotanijuntenkan Ltd.  
YAMAMOTO CORPORATION  
YOSHIDA., LTD.  
Yoshimura Industry co.ltd,

Regeta Co., Ltd.  
ROICE ENTERTAINMENT INC.

9.30(Tue) - 10.6(Mon)

Aiming to Realize a Wellbeing Lifespan

> P.12

Implementation Body

Association for Rational Administration (Osaka)Inc.

Special Website ▶

Exhibiting Companies

adore Co., Ltd  
Kawamura Gishi Co.,Ltd.  
Kida Valve Ball Co.,Ltd.  
CLOVER MFG.CO.,LTD.  
GEN Co., Ltd

KOMURA CORPORATION  
GEX Corporation  
SIRIUS Co.,Ltd.  
Shinko Shuppansha KEIRINKAN Co., Ltd.  
SUMIRON CO., LTD.

Sekisei Co., Ltd.  
TECHNO TAKATSUKI CO.,LTD.  
Hisakado Co.,Ltd.  
Fujikin Incorporated  
FUJI SEISAKUSHO CO., LTD.

MAIKON NO KOUHARA Co., Ltd.  
MEDICUS SHUPPAN,Publishers Co., Ltd.  
YASUDA Co.,Ltd

10.7(Tue) - 10.13(Mon)

Real Solutions for Global Problems :  
Osaka, the Big Hub of Small Manufacturers

> P.14

Implementation Body

The Osaka Chamber of Commerce and Industry [The Osaka Shinkin Bank]

Special Website ▶

Exhibiting Companies

A-yanai-ka(isn't it great?)  
Light Touch Technology Inc.

Disaster Survivor Detection System  
Development Group  
Matrix Inc.  
MIMAMORUME CO.,LTD.  
Asahi Electro Chemical Co.,Ltd.

Disaster Prevention Locker Project  
with J  
Suzuki Printing Industries Co., Ltd.  
Osaka Jonan Women's Junior College  
d;Frontia Co., Ltd.  
Yagi Industries  
Smile Kids Co., Ltd.,  
Sawada Manufacturing Co., Ltd.  
Yoshihara Construction Industry Co., Ltd.  
Kouei Chemical Co., Ltd.  
TOWA-KIKI, INC.  
Shizukuuro

Manufacturing Integrator 5  
Yamamoto Metal Technos CO.,LTD.  
Yamamoto Metal Industry Co.,Ltd.  
Yamamoto Precision Co.,Ltd.  
Yamamoto Seiki Co., Ltd.

Products that Bring HAPPY &  
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(automatic temperature adjustment clothing)  
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AT CO.,LTD.  
NSW inc.  
MASSCOAL CO.,LTD.  
Earth Watch Institute, Inc.  
HAKATTE, Inc.  
Osaka Heat Cool Inc.

Lightweight amphibious mobility  
INDEX Inc.  
Fuji Koushuha Industry Co., Ltd.  
Toyosato Metal Industry Co., Ltd.

Customized Artificial Bones  
Osaka Yakin Kogyo Co., Ltd.

“Deoxy” Fresh Cosmetics  
PRIMALL COSMETICS CO.,LTD.  
MASSCOAL Co.,Ltd.  
KOTOBUKI PERFUMERY CO.,LTD.

BE 120  
MUSCLE CORPORATION  
NUMATA CORPORATION

Future Experience of Flexible  
Hose & Bellows  
OSAKA RASENKAN KOGYO CO.,LTD.

Healthy Smile Agriculture  
ARIMITSU INDUSTRY CO., LTD.  
NT Giken Industries Co.,Ltd.

Hearty ONIGIRI to Make You Smile  
UNICS CO., LTD.  
MASSCOAL CO., LTD.  
Tamura Teco Co., Ltd.  
NICO-NICO NORI INC.  
KIMURA ALUMI-HAKU CO., LTD.

Zipang Airship Project:  
Challenging by 13  
Samurai Manufacturers  
Seiko Seimitsu Co., Ltd.  
Kasatani Co., Ltd.  
Nojima CO.,LTD  
Crosstech Co.,Ltd.  
Nakahashi Factory  
Koyo Shokai Co., Ltd.  
HIRAGITANI WELDING  
Doi Shoten Co., Ltd.  
Nishimura Ironworks  
KDP Co., Ltd.  
Minami Gearworks Co., Ltd.  
TOA SEIKEI CO., LTD.  
Ikeda Ironworks Co., Ltd.

Osaka's Small Factories Take on the  
Challenge of Utilizing Unused Fish!  
TOYO SUISAN KIKAI CO.,LTD.  
Taiyo Corp.  
Tamax Co.,Ltd.  
Hatta Co.,Ltd.  
Nakahashi Factory  
Soko Electronics Co., Ltd.

Aim for Zero Hunger!  
Making the World Smile with  
Osaka Food  
ACE SYSTEM Co.Ltd.,  
RIKUSUI Co.,Ltd  
TERRA Co.,Ltd

Custom-made Cosmetics that Make  
Dreams Come True  
KOTOBUKI PERFUMERY CO.,LTD.  
PRIMALL COSMETICS CO.,LTD

Living Lab: Osaka & Kansai  
KOBATA GAUGE MFG. CO.,LTD.  
HIKARI MACHINE INDUSTRY CO.,LTD.  
OZK Co.,Ltd.  
Nippon Denki Kenkyusho Co.,Ltd.  
Nishimura Ironworks  
Doi Shoten Co., Ltd.  
Minami Gearworks Co., Ltd.  
Yagura Ironworks Co., Ltd.  
Ikeda Ironworks Co., Ltd.  
BellChild Co.,Ltd.  
Yamada Seisakusyo  
TOA MUSENDENKI CO.,LTD.  
Kitahama Chemistry Co.,Ltd

Road to 2050,  
the First Step to Comfortable Life  
NISHITO SPRING MFG. & CO.,LTD.  
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# Osaka Healthcare Pavilion Nest for Reborn

2025.4.13 [SUN] – 2025.10.13 [MON]



## A Place Where You Can Feel the Possibilities of Future Osaka

A pavilion that upholds the theme "REBORN (people can be reborn, taking new steps forward)" and lets you feel a bright future with excitement by leveraging Osaka's strengths.



Reservation required

### Reborn Experience Route

Why not come and meet your future self? You can meet your avatar, a version of yourself 25 years from now that has been created based on your health data, and experience healthcare and urban life in the future. We look forward to seeing you in the future of 2050!

\*Advance reservations are required for use.  
\*Some exhibit experiences may end reception early due to closing time restrictions

Details here ▶



Reservation required

### Monster Hunter Bridge

The dream world and the real world will be connected through 360-degree video and sound, a vibrating floor, and a newly developed dedicated AR device. Enjoy the world of "Monster Hunter" inspired by the pavilion's theme "REBORN" in an immersive space.

\*Advance reservation (free) required separately from Expo tickets  
\*Before the experience, all personal belongings including smartphones must be deposited at reception

Details here ▶



### Reborn Challenge

More than 400 small and medium-sized enterprises and startups are working on developing new technologies for the Expo, and the technology and appeal of these will be widely disseminated both domestically and internationally through exhibits and experiences with 26 different themes each week. The exhibit content will change every week, so please check the "Reborn Challenge official website" for details.

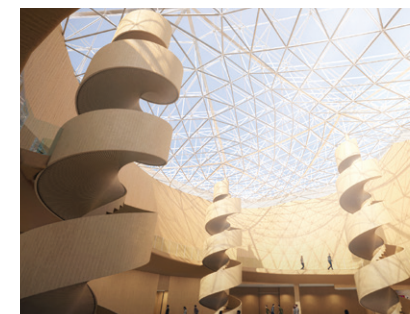
Details here ▶



### Food and Culture in the Future

The area will consist of an "Experience" food and merchandise area, where delicious and healthy food will be provided by stores of supporting companies, and a "Learn" demo kitchen area, where chefs, educational institutions, supporting companies, and others from Osaka and the Kansai region will hold cooking demonstrations and other events to promote "food and culture."

Details here ▶



### Atrium

A fantastical space where light pours down, with a roof supported by three wooden pillars inspired by the double helix structure of DNA. Exhibits include self-moving cardiac muscle sheets using iPS cells themed on regenerative medicine, and the "Future Human Washing Machine" that washes not only the body but also the mind and supports health management.

Details here ▶



### Outdoor Exhibits

Exhibits include "Cradle of Life," a 7-meter diameter globe-shaped aquaponics system for sustainable next-generation circular food production contributing to the realization of an SDGs society, and artworks using unique wolves as a motif that can be seen, touched, and sat on.

Details here ▶



### Virtual Osaka Healthcare Pavilion

This is the official virtual pavilion of the Osaka Healthcare Pavilion. In a space imagined as the future, you can enjoy exhibits and attractions from participating companies. The screen on the main floor also delivers live music by popular virtual singers and events held on the Reborn Stage.

Details here ▶

