

Power Spots in OSAKA: Small and Medium-sized Enterprises

**A new form of pest control
that separates the spaces occupied
by humans and insects**

BURRTEC Co.,Ltd.

By changing from the traditional belief that "it is natural to kill harmful insects with chemicals if they get indoors" and instead working to separate the spaces occupied by people from the living space of insects, we are advocating the sense of values where "we respect the lives of people, organisms and nature and we coexist." By using the insect repellent brushes, we aim to create a future where it is possible to perform pest control (the control of harmful organisms) while maintaining the balance of the ecosystem.



**Next-generation storage racks
that maximize the utilization of
warehouse space**

Shinkawa, Ltd.

In the logistics industry, increasing the efficiency of storage space and reducing the cost of transportation are major issues. In Japan in particular, there are strong demands for efficient storage and resource optimization to make effective use of the limited land area. In addition, as SDGs initiatives and the interest in sustainability increase, there has been rapid growth in the demand for products that will have a long service life and then be recyclable. The height adjustment function and environmentally friendly materials of this product will make a large contribution to the designing of the warehouses of the future and to the realization of a sustainable society.



**Small particles change the future!
The diverse possibilities of nanopowders**

YOUNGROP Co.,Ltd

Seasonings, detergents, pharmaceuticals, and cosmetics ... A variety of powders are used in our daily lives. It is known that when we further pulverize these powders into fine particles (nano-sized particles), their physical properties change. In the future, it may be that technology to create nano-sized powder will lead to the creation of new materials and functions that will make our lives even richer and more comfortable. At the Expo, we will use video and other media to show the visitors a future society brought about by the use of nano powders.



**Power electronics technologies supporting
future infrastructure**



TAKENAKA SEISAKUSHO CO.,LTD.

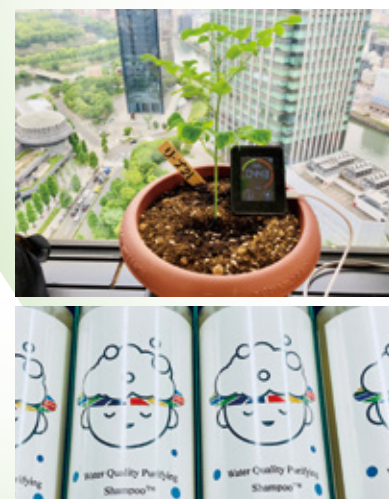
Power electronics are technology to efficiently convert and control electric power. They are used in sectors such as electric vehicles and renewable energy and are expected to contribute to improvements in energy efficiency. At the Expo, we will introduce our efforts to address various issues such as environmental problems, including with an introduction to ultra-low power consumption EV vehicles that utilize power electronics technology. We will propose the importance of power electronics technology in future society.



**For a sustainable future society where
we live with water and air purification**

Hair Clinic Reve-21 Co.,Ltd.

Our "Afforestation Carbon Neutral Project" is promoting the cultivation and planting of Moringa, which is a plant with a high CO₂ absorption rate, our "Loofah Project" aims to reduce the plastic waste outflow from household drains by cultivating and commercializing loofah scourers, and our "Water Quality Purifying Shampoo" utilizes the water purifying action of plants. At the Expo, we will use video and other methods to give the visitors an introduction to these SDG activities that can be implemented in everyday life.



Reborn Challenge
Implementation Body

Osaka Prefectural Federation of
Small Business Associations

We introduce the excellent products, technological capabilities, high-quality services, traditional crafts, culture, and the appeal of Osaka's food culture through exhibitions and experiences presented by Osaka's small and medium-sized enterprises, aimed at a future society. Additionally, by utilizing virtual technology alongside physical exhibits, visitors can experience and deeply understand various products and content without spatial constraints. We believe this approach can showcase the high potential of Osaka's small and medium-sized enterprises to a global audience.

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Special Website



A future society created by small toys from Osaka

OSAKA TOY INDUSTRY ASSOCIATION

Toys are something that everyone picked up and played with as a child. Simple, analog toys that we use our hands and head to play with are an important part of our culture and nurture the imagination and creativity of our children. The wisdom and ingenuity contained in their simple design fits closely with the growth of the children and gets passed down to the next generation. At the venue, images and animations will be projected inside a huge object to depict a future society created by toys.



**A new experience of paper craft and glasses-free 3D!
Enjoy the charm of handmade creations in 3D vision.**

Digital Printing & Solutions Co., Ltd.

You can enjoy the sensation of being at the Osaka Expo of 1970 through a meticulously recreated paper craft of the venue and a stereoscopic experience using a VR display that does not require goggles. Please experience the fusion of warmly crafted handmade models, created with care and time, and cutting-edge technology.

**Introducing the school bags of Japan
to the world!**

Katochu co., Ltd.

The "RANDOSERU" school bag is a unique part of Japanese culture. We believe it is a bag that we can be proud of in the world, including as it has the durability to last for six years, is comfortable to use, and has meticulous specifications. We want to spread the appeal of these school bags to people all over the world. Through our exhibition of the bags at the venue, we will present visitors with a variety of ways to use them in their daily lives and create new possibilities for the future of these school bags.



**3D video like a world peace relay, where we expand
the circle of participants from hand to hand**



Ace Co., Ltd.[The Signage co.ltd/futureDesign Co., Ltd.]

In addition to introducing the scenery and traditions of Osaka, we will present a video that gives a sense of how the Osaka SMEs that will contribute to future society will grow and develop in the future and create new connections. The themes of the videos are "Reborn" and "SDGs." In the exhibition, visitors will be able to experience "naked eye 3D," which uses the latest simulation technology and AI to realize advanced animation performance. We will also introduce a new approach to advertising that combines naked eye 3D images with marketing.

**Experience Japanese culture through
colorful dolls and moving armor**

The Consortium manufacturing industry of seasonal festival in Osaka Kansai EXPO

With an exhibition of items mainly from the Osaka hina doll manufacturer Matsuyoshi Ningyou Co., Ltd., we will exhibit hina dolls of various sizes and colors that are dressed in costumes that utilize advanced sewing techniques, and we will also introduce what materials they are made of. We also plan an appearance by a robot dressed in armor. With these exhibits of products made with delicate Japanese dressmaking techniques and traditional techniques that have remained unchanged from the past, we hope that the visitors will gain an interest in the traditional Japanese culture of seasonal festivals.

