

Resona Mirai Color ~Summer~ Metropolis of the Future

Reborn Challenge
Implementation Body

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

The second of Resona Group's four exhibitions is "Summer~ Metropolis of the Future." Summer brings to mind blue seas, green mountains, and strong sunlight. Protecting these natural environments is important from an SDGs perspective. Therefore, the summer theme is SDGs/Environment. Please come to the venue with excitement about "This might be what it's like!" for the metropolis of the future coexisting with the natural environment.

[Contact]

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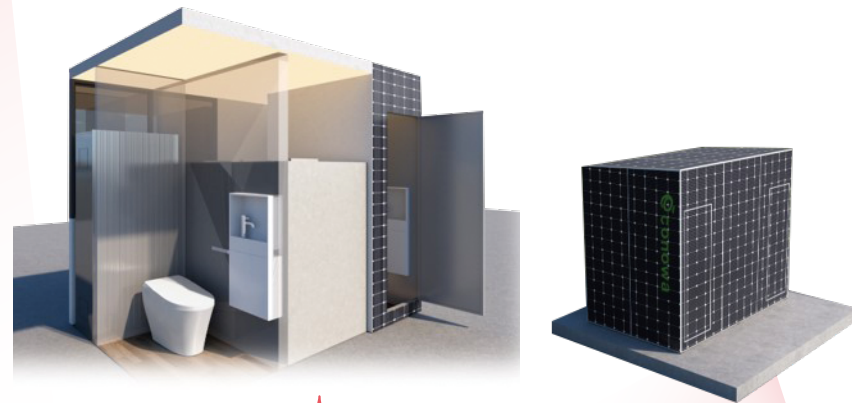
Special Website



Rediscovering the Importance of "Water," the Origin of Life

SOUGOMIZU INSTITUTE, LTD.

We will introduce technology that "visualizes the invisible" using the latest survey and analysis equipment, and deepen understanding of the importance of "measurement" in environmental analysis through testing experiences. Visitors can also experience a "Digital Aquarium" where fish they draw come to life swimming in a large-screen water world. A polluted sea where fish have lost their vitality. Then, fish in white coats appear to conduct investigations, and when they restore the sea to its original beautiful state, fish and coral regain their vitality, and the fish drawn by children swim happily too - this story unfolds within the booth.



Clean Toilets Anywhere

TI plus holdings, Inc.

The future-type toilet "Econowa" cleanly regenerates and circulates wastewater using natural forces. The uniquely developed and manufactured porous filter material "Volcanite" serves as a habitat for bacteria, and appropriate decomposition by microorganisms occurs in the treatment tank. Using the power of Volcanite and microorganisms, it treats wastewater to an almost colorless, odorless, and sterile state.

Farms of the Future, Electricity of the Future Realizing a Resource Circulation System

SANWA ELECTRICAL ENGINEERING CO.,LTD.

Located in the reclaimed land of Kasaoka City, Okayama Prefecture, "Kabuto Bio Farm Power Plant" is a resource-recycling power plant that generates biogas power using cow manure collected from seven farms, meeting local power demands. In the exhibition, we convey the importance of resource circulation to children who will lead the future.



Creating a Society Where Environmental Issues Can Be Contributed to in Daily Life "Equation of the Future"

IBS Inc. / Behomal, Co., Ltd

In our "Equation of the Future," we aim to solve social issues through various technological additions and multiplications. By combining technology that creates electrical energy from glucose and oxygen through biomass fuel cells, and DAC technology where plastic tableware mixed with biomass CO2 absorption additives directly absorbs and desorbs CO2 from the air, we realize an ecosystem that achieves resource, energy, and CO2 circulation cycles.

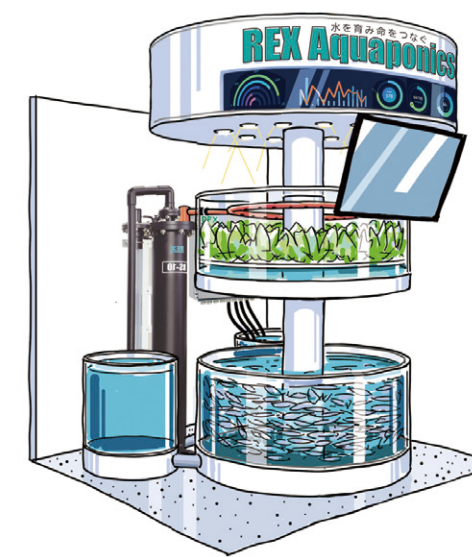


Eco-Friendly Circular Agriculture and Fishery Growing with the City

REX INDUSTRIES CO.,LTD.

"Rex Aquaponics" is a system that combines fish farming with plant cultivation to achieve water circulation.

Using proprietary oxygen dissolution technology, the system enables large-scale fish farming where space may be limited. Furthermore, the introduction of an IoT management system reduces the operator's workload and fatigue. Through these initiatives, our objective is to achieve efficient and environmentally-conscious food production, while at the same time proposing a new model for urban aquaculture.



Non-Electricity Wastewater Tank Using Natural Principles



Kansaikako Co., Ltd.

We will exhibit a demonstration of "DMR (Non-Electricity Wastewater Tank)," a recycling system that utilizes natural principles to treat domestic wastewater using microbial activity without electricity. The treated water can be used as organic fertilizer for crop cultivation, making it a future-type recycling system that could contribute not only to water pollution improvement but also to poverty reduction.

An Everlasting life of a Plastic

FURUTANI SYOTEN Co., Ltd. / DORYOKU Co., Ltd.

Chemical recycling technology, known as "Pyro Renergy," allows the transformation of waste plastics into new plastics, restoring their value as a reusable resource. This innovative approach promotes the efficient circulation of limited resources, contributing to environmental sustainability and preserving a beautiful world for future generations.



Achieving Both "CO2 Reduction" and "Oyster Production"! Environmentally Friendly Aquaculture of the Future

Novelgen Co., Ltd.

Phytoplankton absorb CO2 while proliferating, and oysters grow using phytoplankton as a nutrient source. Utilizing this food chain, we aim to achieve both high-quality oyster production and climate change countermeasures by farming oysters using CO2-absorbing phytoplankton as feed. We will introduce aquaculture technology of the future that contributes to CO2 reduction while improving oyster quality using CO2.

Circulating Washing Machine where Water is not Disposed of.

Wash-Plus Co., Inc.

We created an allergen-free washing system using "wash+ Water," alkaline ion electrolyzed water specially developed for laundry. Since wastewater from this washing system contains no synthetic chemicals, the idea that wastewater could be filtered and reused for washing led to the development of a circulating washing machine where water is not disposed of. Because it can wash without connecting to water and sewage systems, it can be used not only in disaster areas and regions with limited water resources but can also be installed anywhere.



Under
Intensive
Development

LEP Inc.

We developed autonomous glowing plants by incorporating a gene set necessary for bioluminescence into plant genomes, where luminescent proteins and luminescent substrates are naturally synthesized in cells and react to emit light. Using this technology, we will exhibit a Japanese tea room illuminated by "Light-Emitting Plants" that emit soft, faint light continuously, like fire flies and luminous mushrooms.

