

Circular Renewable

!TV Wow! Taiwan Project

!TV



Contents

04 Introduction

Wow! Taiwan Project / Circular Renewable Solutions

06 Solution1

Waste Treatment and Recycling

54 Solution2

Water Waste Water Treatment and Recycling

64 Solution3

Environmental Pollution Control
Instrument and Related





Wow! Taiwan Project



Wow! Taiwan Project selects the most innovative and cutting-edge products and technology solutions from Taiwan. We aim to connect suppliers and buyers all over the world to do business.

Founded by TITA International Trade Administration, Ministry of Economic Affairs and implemented by CDRI (Commerce Development Research Institute), Wow! Taiwan Project has created a safe online D2B (Direct to Business) platform for buyers and suppliers to exchange and connect, ensuring business growth is guaranteed through customized services.

Circular Renewable Solutions

Pioneering sustainable solutions in waste management, including plastics, agriculture, electronics, and wastewater. Support environmental protection through efficient recycling practices and pollution control technologies.

Solution 1



Waste Treatment and Recycling

Transform waste management through efficient recycling solutions, reducing environmental impact by turning waste streams into valuable resources.

INM BEM INDUSTRIAL CO., LTD.

INM BEM's SenSenWood is a zero-wood, 100% recyclable green building material made in Taiwan. Using proprietary recycled plastic technology, it's moisture-proof, anti-corrosive, and weather-resistant—perfect for smart landscaping, outdoor furniture, and eco-friendly architecture. No wood powder, no waste—just sustainable, high-performance innovation for a low-carbon future.

Website <https://www.wowtaiwan.org/company/2757>



PLANT FIBER TECHNOLOGY INC. leads the shift from single-use plastics with YOLLY, a line of biodegradable, compostable bamboo fiber straws and tableware. Certified and Red Dot awarded, our plant-based materials are safe, toxin-free, and durable—supporting a cleaner planet and sustainable lifestyle through eco-conscious innovation.

Website <https://www.wowtaiwan.org/company/2664>

[illegible]

Straw Type	Diameter	Length
Cocktail	6mm	130mm
Super Jumbo / Regular	6mm	210/230mm
Super Giant / Smoothie / Milkshake	8mm	210/230mm
Colossal / Bubble Tea	12mm	210/230mm

UWin Resource Regeneration Inc.

UWin Resource Regeneration leads Taiwan in lithium battery recycling with a safe, green chemistry process. Our total solution recovers high-purity materials—like lithium carbonate and nickel sulfate—from battery black mass using patented discharging and hydrometallurgy technology. We reduce environmental risk, support closed-loop manufacturing, and enable compliance with global recycled content mandates.

Website <https://www.wowtaiwan.org/company/2673>

Electronic Grade Recycled Lithium hydroxide

※Description

Lithium hydroxide is an inorganic compound; Odorless white powder, mainly monohydrate. .

※Feature

Through our processing technique, cobalt ions extracted from discarded lithium batteries are transformed into high-purity electronic-grade cobalt sulfate heptahydrate. This process not only contributes to the reduction of electronic waste but also aligns with the circular economy model, minimizing resource depletion and environmental impact.

- Purity(>99.9%)
- Suitable for Cathode Material of Lithium ion Batteries.
- Sustainability and Safety.



優勝新能源再生科技股份有限公司
UWin Resource Regeneration Inc.

Electronic Grade Recycled Materials



$\text{NiSO}_4 \cdot 6\text{H}_2\text{O}$
(Purity>99.99%)

$\text{CoSO}_4 \cdot 7\text{H}_2\text{O}$
(Purity>99.999%)

$\text{LiOH} \cdot \text{H}_2\text{O}$
(Purity>99.99%)

Li_2CO_3
(Purity>99.99%)

優勝新能源再生科技股份有限公司
UWin Resource Regeneration Inc.



Safety



Eco-friendly



High purity

Cobalt – Electronic Grade Recycled Cobalt Sulfate

※Description

Cobalt sulfate commonly found as red crystals, predominantly in the heptahydrate form.

※Feature

Through our Patented Hydrometallurgy, cobalt ions extracted from discarded lithium batteries are transformed into high-purity recycled material. This process not only contributes to the reduction of electronic waste but also aligns with the circular economy model, minimizing resource depletion and environmental impact.

※Application

- Cathode Materials
- Sympathetic Inks
- Electroplating
- Catalysts



優勝新能源再生科技股份有限公司
UWin Resource Regeneration Inc.



Fun Lead Change CO., LTD.

Fun Lead Change Co., Ltd. pioneers Taiwan's smart recycling with ECOCO—a fun, AIoT-driven reverse vending machine system. Accepting PET, PP, HDPE, aluminum, and battery, ECOCO auto-sorts, compresses, and rewards users with CSR-partner coupons. With 2.2M+ users, 370 machines, and 5,248 tons of CO₂ saved, ECOCO redefines circular economy with impact and joy.

Website <https://www.wowtaiwan.org/company/2687>



GAINMORE INDUSTRIAL CO., LTD.

GAINMORE INDUSTRIAL specializes in eco-friendly plastic extrusion and integrated packaging solutions under the GREENPACK&SMILE brand. From raw resin research to molding, we deliver consistent, sustainable PCR/PIR packaging. Our AI image recognition system also supports smart care services, reducing medical waste and aiding non-ambulatory patients with dignity and efficiency.

Website <https://www.wowtaiwan.org/company/2698>



晉茂實業股份有限公司
Quality Plastic
Productives Made to
Build Profit

主要產品：

片材產品：
PS, PP, PET, PE, ABS, TPU & TPE 片材
透明導電 PS 與 PET 片材
環保生物可分解片材(PS, PE, PP, ABS 等)

射出原料：
PS, PP, PET, PE, ABS, TPU & TPE 複合材料
TPR/TPU 磁鐵複合材料

其他：
生物可分解母粒
環保PE袋(塑膠含量50%)，表面不脫粉，易印刷
PEDOT 導電塗佈劑

www.gainmore.com.tw


晉茂實業股份有限公司
GainMore Industrial Co., Ltd.
Building 3, No. 14-02, Hsinchu Science City,
Hsinchu City 30010, Taiwan
Tel: 886-3-58717019 Fax: 886-3-58717008
E-Mail: info@gainmore.com.tw Website: www.gainmore.com.tw

MATERIAL TREND INC.

MATERIAL TREND INC. specializes in recycling and upgrading waste plastics, like polyester shrink film edge trims, into high-strength, reusable materials. Using proprietary melt blending with tougheners and chain extenders, we reduce incineration waste and carbon emissions—delivering sustainable, circular economy solutions for packaging, manufacturing, and beyond.

■ Website <https://www.wowtaiwan.org/company/2700>

Taiwan Plants Fiber Tech Alliance CO.,LTD

PFTA Group pioneers PFP™—a patented, low-carbon, compostable material made from up to 100% natural fibers like sugarcane, coffee, bamboo, and seashells. Our straws and tableware decompose fully in soil within 42–180 days and are globally certified for home composting. Zero plastic, zero waste—just a closed-loop, sustainable future.

Website <https://www.wowtaiwan.org/company/2709>



Tetanti AgriBiotech revolutionizes organic waste management with its patented TTT® Targeted Enzyme Technology, transforming waste into organic fertilizer in just 3 hours. Powered by over 8,000 microbial strains and 2,500 species, AIMZYME® ensures fast, odor-free, and low-carbon decomposition. With <100 kgCO₂e/ton emissions, TTT® supports agriculture, industry, and municipalities in achieving true circular sustainability.



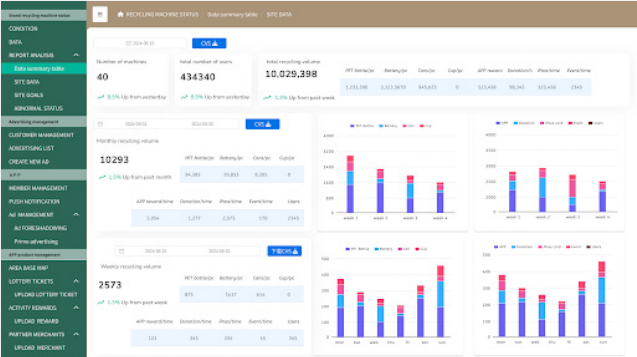


KING's SOLUTION CORP.

KING's Solution, with over 43 years of expertise, leads in eco-friendly injection molding and smart recycling technology, exporting to more than 30 countries.

Our AI Recycler Reverse Vending Machine offers AI-powered sorting for PET, aluminum cans, and batteries, space-saving compression, and ESG-ready APP integration. We innovate for a sustainable future.

Website <https://www.wowtaiwan.org/company/2662>





UWin Nanotech Co., Ltd.

UWin Nanotech revolutionizes precious metal recovery with patented, cyanide-free gold strippers—UW-700 (electrolytic) and UW-860 (chemical immersion). Designed for e-waste, semiconductors, and mining, our eco-safe solutions reduce toxins, emissions, and costs while boosting recovery speed and sustainability. Trusted globally with 19 patents and award-winning innovation.

Website <https://www.wowtaiwan.org/company/2675>





SHEH MAO CO., LTD.

SEOMAO integrates agricultural sustainability with cutting-edge biotech. From 100% straw return solutions and organic fertilizers under the Taiwan Wofeng brand, to stem cell and exosome innovations targeting skin repair, sarcopenia, liver health, and cancer markers—SEOMAO bridges ESG goals and health tech, delivering certified, award-winning breakthroughs.

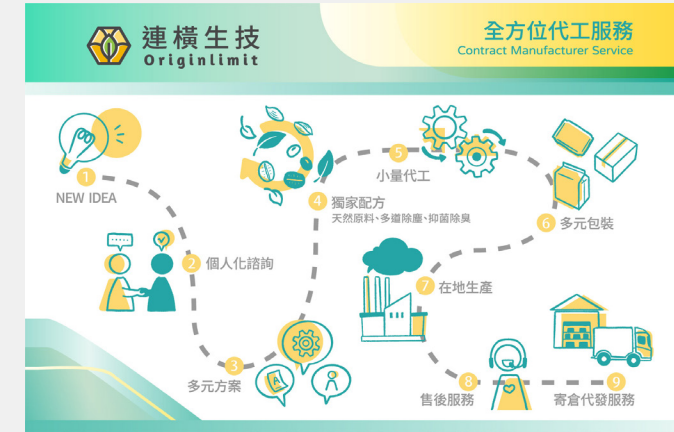
Website <https://www.wowtaiwan.org/company/2759>



Originlimit Co., Ltd

Originlimit transforms local surplus and organic waste into high-value, eco-friendly materials. Our patented food waste recycling system processes 100kg in 1–2 hours with no heat, odor, or wastewater—perfect for low-carbon, circular economies. From sustainable cat litter to biodegradable pots, we innovate for a greener future.

Website <https://www.wowtaiwan.org/company/2632>



HUA SHU-YEE INDUSTRIAL CO., LTD

HUA SHU-YEE INDUSTRIAL offers GRS-certified 100% post-consumer recycled PP pellets (PP6003), cutting carbon emissions while maintaining high material performance. Ideal for eco-conscious manufacturers, it supports carbon tariff savings and meets global sustainability standards with certified product carbon footprint.

■ Website <https://www.wowtaiwan.org/company/2635>



Yung lee Green Materials is a leading recycler of PET, PE, PP, and PS, processing 4,500 tons monthly—20% of Taiwan's post-consumer plastics. Certified by GRS, ISO 9001, and ISO 14001, we supply high-quality recycled flakes and pellets for packaging, textiles, and industrial use, advancing circular economy and carbon reduction goals.

Website <https://www.wowtaiwan.org/company/2638>





Plant Fiber International Inc.

Plant Fiber International specializes in biodegradable bamboo fiber products under the YOLLY brand, including Red Dot Award-winning tableware. Certified compostable and toxic-free, our products resist -20°C to 100°C and offer a sustainable, plastic-free alternative—customized to meet global eco-conscious demands.

Website <https://www.wowtaiwan.org/company/2681>

KNIFE

180mm

180mm

FORK V1

180mm

180mm

FORK V2

180mm

180mm

SPOON V1

180mm

180mm

SPOON V2

180mm

180mm

SPOON

180mm

180mm

SOUP SPOON

180mm

180mm

yollyware.com

PLANT FIBER TECHNOLOGY INC.

YOLLY

NATURAL BAMBOO FIBER STRAWS

PURE,
NATURAL,
VISIBLE.

YOLLY

yollyware.com

PLANT FIBER TECHNOLOGY INC.

YOLLY

NATURAL BAMBOO FIBER STRAW

red dot award 2019
winner

YOLLY STRAWS SPECIFICATIONS

Cocktail.....

Super Jumbo / Regular.....

Super Giant / Smoothie / Milkshake.....

Colossal / Bubble Tea.....

Diameter

6mm

6mm

8mm

12mm

Lengths

130mm

210/230mm

210/230mm

210/230mm

yollyware.com

PLANT FIBER TECHNOLOGY INC.

10111, No. 101, Sec. 1, Keelung Rd., Keelung City, Taiwan 99101, Taiwan

37

Florent international Co., Ltd

Florent International Co., Ltd. blends cross-industry expertise with a mission for sustainability. Its patented thermal cracking technology transforms plastic waste into low-sulfur fuel oil and synthetic gas, reducing carbon emissions by up to 78%. This ESG-driven solution tackles global plastic pollution while turning waste into renewable energy.

■ Website <https://www.wowtaiwan.org/company/2755>



Creative Tech Textile Co.,Ltd.

Creative Tech Textile blends innovation and sustainability by transforming oyster shells and recycled polyester into Seawool®—a soft, odorless, UV-protective, and thermally insulating yarn. With global patents and Bluesign® certification, our eco-friendly materials power top outdoor brands worldwide, redefining warmth and comfort through circular design.

■ Website <https://www.wowtaiwan.org/company/2612>





BLUTECH INC.

BLUTECH INC. leads Taiwan in sustainable energy innovation with its patented NeVerLoSs® long-range wireless tech. Our plug-and-play IoT systems enable rapid, low-cost deployment for energy, water, and CO2 monitoring—ideal for smart factories, hospitals, and campuses. Trusted by 50+ clients, we deliver fast, scalable, and award-winning solutions for a greener future.

Website <https://www.wowtaiwan.org/company/2601>





SOON STRONG MACHINERY WORKS CO., LTD.

With over 40 years of expertise, SOON STRONG MACHINERY delivers turnkey solutions for feed, recycling, and green energy industries. Our modular food waste recycling system processes 100kg in 1–2 hours with zero odor, wastewater, or heating. It's energy-efficient, eco-friendly, easy to operate, and enhances soil with nutrient-rich output—perfect for sustainable farming and waste management.

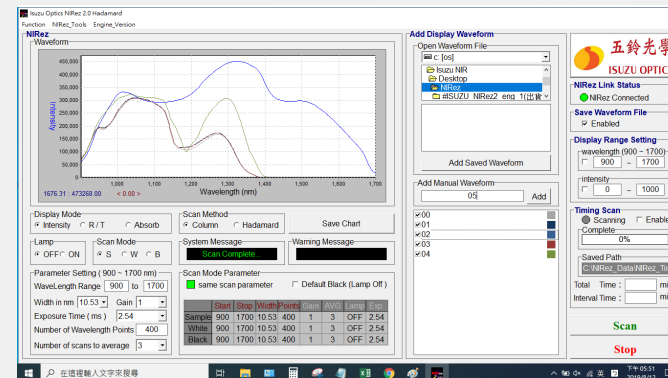
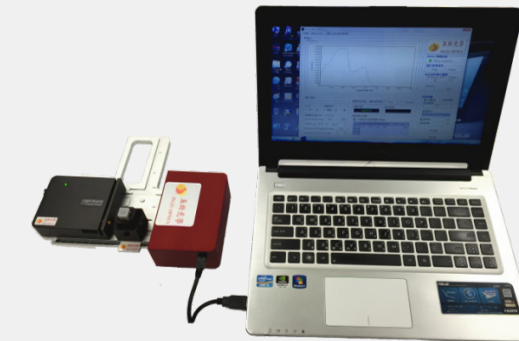
Website <https://www.wowtaiwan.org/company/2590>



Isuzu Optics Corp.

ISUZU OPTICS delivers high-performance spectroscopic solutions for imaging and analysis. The NIREz NIR spectrometer (950–1650nm) offers non-destructive, high-precision detection with a compact, easy-to-use design. Ideal for smart agriculture, it enables fast, cost-effective monitoring of crops, soil, and water—boosting productivity through real-time insights.

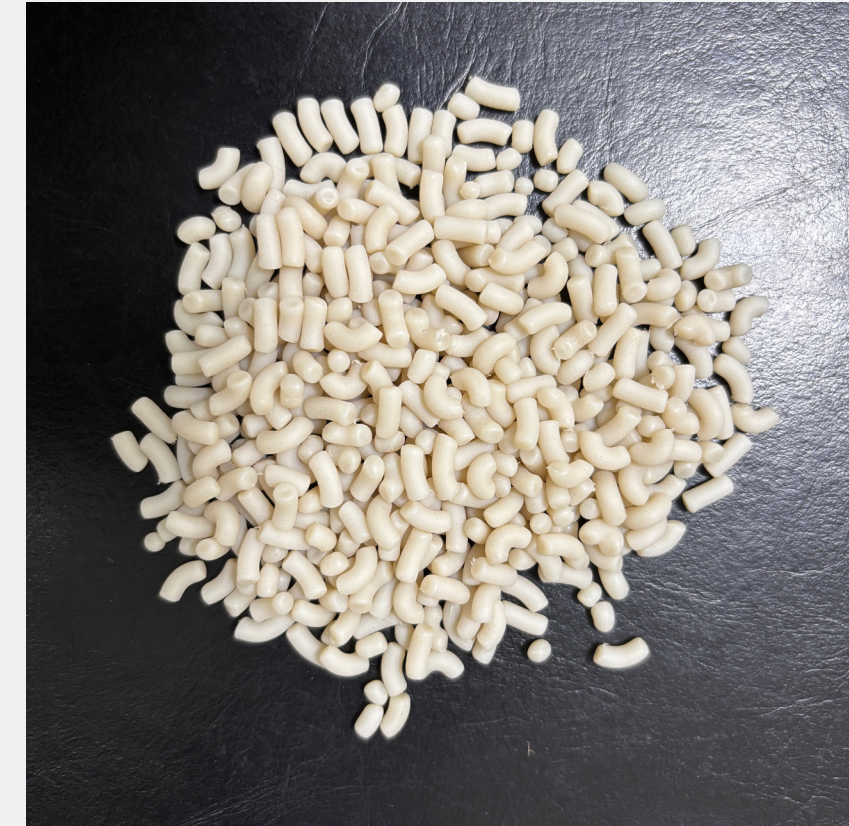
Website <https://www.wowtaiwan.org/company/2592>



FENGDA COMPOSITE MATERIALS CO., LTD.

FENGDA specializes in eco-friendly elastomer composites. Our GRS-certified Recma series, made from recycled PVB and TPU, enhances EVA foaming and boosts factory recycling efficiency. Lightweight, shock-absorbing, and customizable, Recma is ideal for injection molding and sustainability-focused applications.

■ Website <https://www.wowtaiwan.org/company/2620>

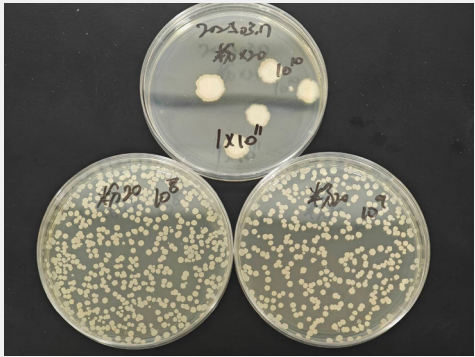




TIMES INTELLIGENT BIOTECH CO., LTD.

Times Intelligent Biotech champions nature-based solutions to reduce emissions and enrich soil fertility. Using Taiwan-native microorganisms technology, our Rapid and Long-Lasting Decomposition Powders convert agricultural residues into organic fertilizer—boosting soil health, preventing open burning, and cutting CO² emissions. A sustainable path to environmentally-friendly farming.

Website <https://www.wowtaiwan.org/company/2717>



Innonyx International Co., Ltd.

Innonyx provides microreactor technology and sustainable materials such as recycled PVB and bio-based nylon PA56, driving green innovation.

As a GRS-certified supplier, we offer a long-term supply of high-quality recycled plastics and traceable eco-friendly materials, helping partners achieve their sustainability goals and accelerating the transition to Chemical Industry 4.0 and a low-carbon circular economy.

■ Website <https://www.wowtaiwan.org/company/2654>



Solution 2



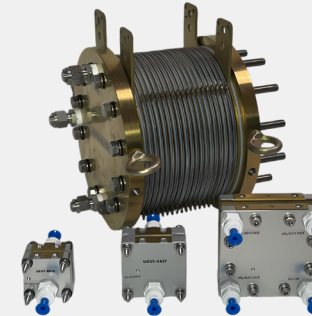
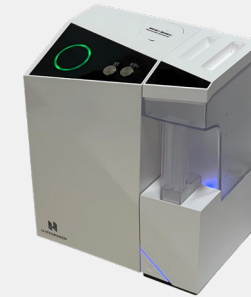
Water/Waste Water Treatment and Recycling

Advance sustainability by utilizing innovative water purification systems, reclaiming wastewater efficiently for cleaner communities and ecosystems.

U Hydrogen Technologies Co., Ltd.

U Hydrogen is an emerging innovator in the hydrogen energy sector, focusing on green hydrogen production and solid-state hydrogen storage alloy technologies. Backed by a core team with over 20 years of industry experience, we combine deep technical expertise with real-world insight to deliver practical, forward-looking solutions. All technologies are independently developed, manufactured, and marketed by UH, supporting global industries in their transition to clean energy and a zero-carbon future.

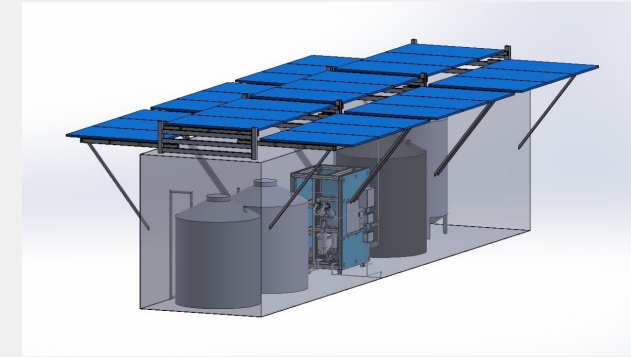
■ Website <https://www.wowtaiwan.org/company/2688>



Couplet technology

Couplet Technology pioneers smart wastewater solutions with full-process rare earth recovery and 99.8% UVC LED sterilization. Our tubular membrane filtration and solid-liquid separation systems maximize resource reuse, cut treatment costs, and reduce environmental impact—driving sustainable development and operational stability for forward-thinking industries.

■ Website <https://www.wowtaiwan.org/company/2756>

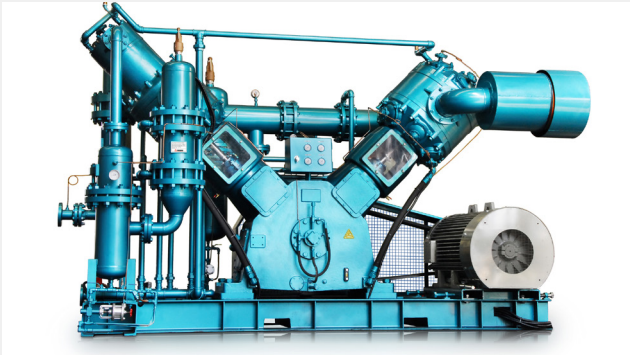




FU SHENG INDUSTRIAL CO., LTD

Founded in 1953, FU SHENG is a global leader in air compressors and waste fluid processing systems. With patented R&D and eco-friendly solutions, our oil-free, energy-saving technologies serve industries from welding to surface treatment. We deliver high performance, cost efficiency, and environmental protection across more than 10 countries.

Website <https://www.wowtaiwan.org/company/2634>

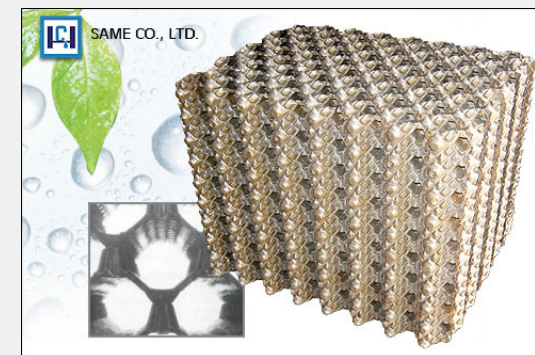




SIMILAR ENTERPRISE CO., LTD.

Since 1995, SIMILAR ENTERPRISE has delivered high-quality wastewater treatment solutions with integrity and innovation. Our patented Honeycombed Contact Filter and advanced RBC systems offer durable, efficient, and eco-friendly purification for municipal and industrial use—enhancing water quality and supporting sustainable environments across Taiwan's major projects.

■ Website <https://www.wowtaiwan.org/company/2648>



Solution 3



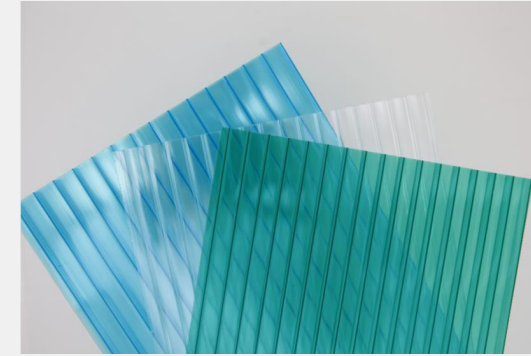
Environmental Pollution Control Instrument and Related

Deploy cutting-edge instruments to monitor and control pollution, safeguarding air, soil, and water quality for healthier environments.

Zirco Applied Materials Co., Ltd.

Zirco Applied Materials' Uplus brand offers patented solar films, glass, and coatings that reduce over 7 million kg of CO₂ annually. Uplus TheOne Solar Film blocks 90% infrared and 99% UV rays, enhancing energy efficiency in buildings and vehicles. Certified across Asia, it's trusted by airports, embassies, and global brands.

■ Website <https://www.wowtaiwan.org/company/2701>

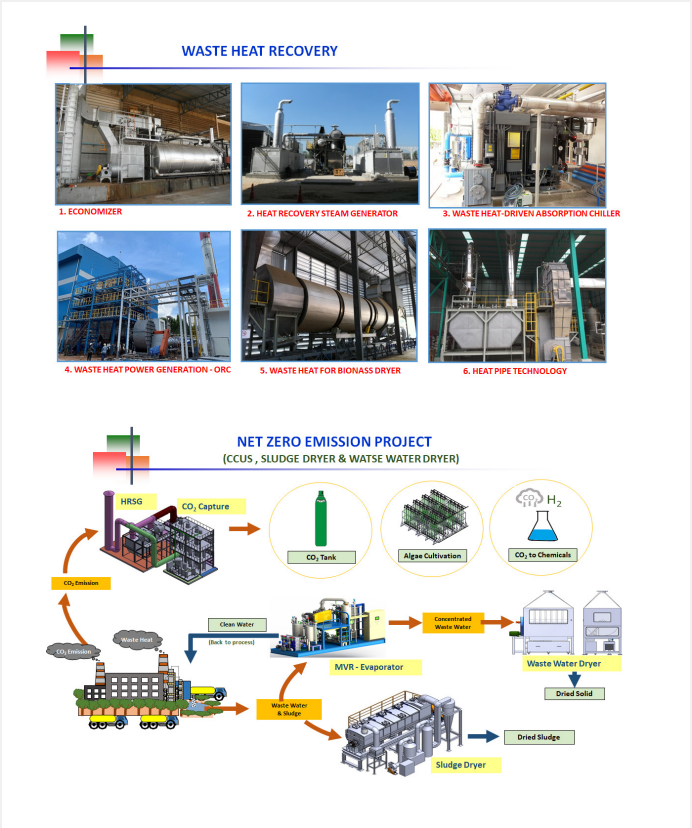




YU AN TECH-SERVICE CO.,LTD.

Yu-An Tech-Service specializes in carbon reduction through custom waste heat recovery and carbon capture solutions. From flue gas conversion to algae-based CO₂ reuse, we help industries cut emissions and create value. Our user-friendly CFV software supports footprint tracking—advancing a cleaner, circular future.

Website <https://www.wowtaiwan.org/company/2644>



Min Yue

Min Yue integrates green sustainability with smart technology, offering modular cloud-based solutions for IAQ, medical temperature, microclimate, and plant factory monitoring. With IoT and big data, we simplify system management, reduce costs, and empower users to oversee environments anytime, anywhere—building a smarter, greener future.

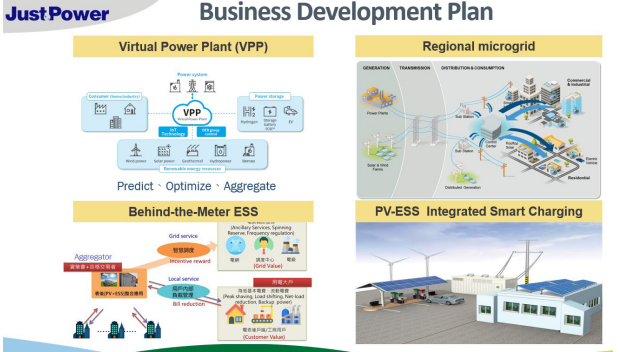
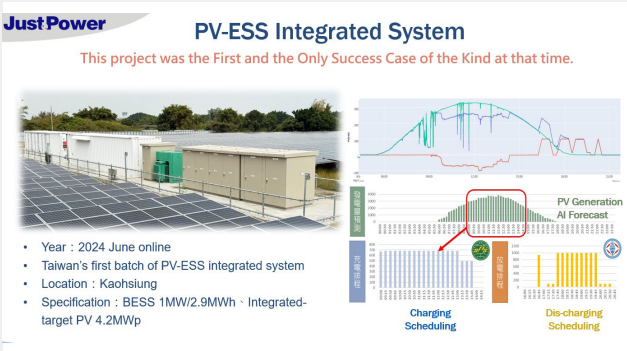
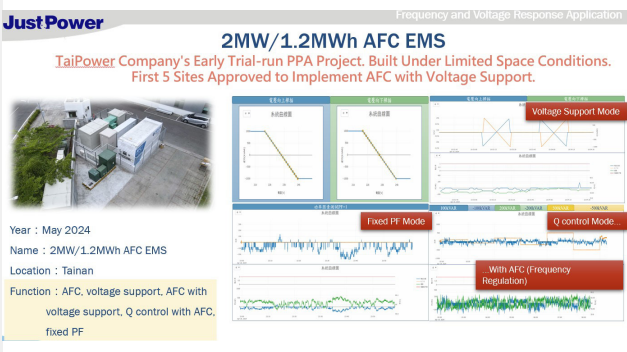
■ Website <https://www.wowtaiwan.org/company/2670>



digi-triumph technology inc.

Digi-Triumph's Just Power brand delivers certified, Taiwan-assembled Li-ion energy storage solutions from 5kW to 40MW. With BMS, EV powertrain, and charging systems, we support grid, C&I, and home applications. Featuring modular cooling, recycling services, and real-time monitoring, our ESS ensures safe, efficient, and future-ready energy storage.

Website <https://www.wowtaiwan.org/company/2604>



NAGAOKA MACHINERY, Taiwan's top elevator traction machine maker, leads in energy-saving innovation. Our energy storage elevator recovery system boosts efficiency by 20–30%, lowers emissions, and is easy to install on any brand—no grid return, no harmonics. Powered by supercapacitors, it's low-maintenance, long-lasting, and ideal for green buildings.

[illegible]

Amber Nanotech Co., Ltd.

We specialize in the development of smart, all-in-one fertilizers that deliver precise nutrition tailored to each stage of plant growth. A key focus of our innovation is Selenium (Se), an essential trace element for human health and a powerful growth enhancer for plants. By incorporating Selenium into our fertilizers and agricultural inputs, we help boost plant vitality, improve resistance to stress and disease, and ultimately increase the nutritional value and market competitiveness of agricultural products.

■ Website <https://www.wowtaiwan.org/company/2600>

Pesticide Reduction Material

Ideal for eco-friendly and organic farming



Power Selenium Fertilizer

Vigorous plants growth



Orange Power Fertilizer

Specialize key nutrients
for each citrus growth stage



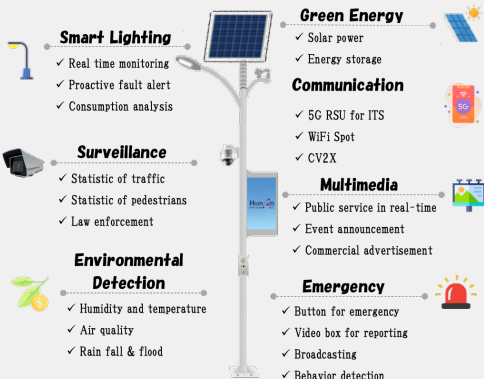
Power Selenium Application



HWACOM SYSTEMS INC.

HWACOM SYSTEMS, a leader in ICT since 1994, delivers integrated solutions across 5G, IoT, smart cities, and cybersecurity. Our Smart Roadside Safety system combines green energy, real-time monitoring, and 5G communication to enhance urban safety, traffic efficiency, and sustainability—empowering cities for a smarter, safer future.+M11

Website <https://www.wowtaiwan.org/company/2615>



Jin Jhan Greenhouse Project Co.,Ltd

Jin Jhan Greenhouse, Taiwan's leading smart agriculture brand since 1993, specializes in AI-integrated, typhoon-resistant greenhouses and irrigation systems. Embracing nature with eco-conscious design, we promote circular farming through water saving, nutrient recycling, and low-carbon solutions. With 3,000+ clients across 30 countries, we empower global sustainable farming.

■ Website <https://www.wowtaiwan.org/company/2610>







Organizer

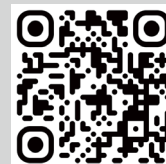


經濟部國際貿易署
International Trade Administration

Implementer



商業發展研究院
Commerce Development
Research Institute



Ad by TITA