



!TW

CLEAN. ENERGY

Wow! Taiwan Project

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Wow! Taiwan Project

A photograph of several white wind turbines in a field under a clear blue sky. The turbines are positioned in a row, with the closest one in the foreground and others receding into the distance. The field appears to be a mix of green grass and yellow wildflowers. The sky is a solid, clear blue.

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.



CLEAN ENERGY SOLUTIONS

Advancing the transition to a sustainable future through integrated power solutions. We focus on the entire energy lifecycle—from efficient generation to stable storage and optimized consumption.

SOLUTION 1

ENERGY EFFICIENCY

We provide smart management tools and industrial solutions that minimize energy loss, allowing businesses and households to achieve higher performance with lower power consumption.

Company Profile

3Egreen Technology Inc. is a leading Industrial IoT pioneer specializing in high-frequency power analytics, empowering Tier-1 semiconductor clusters and global manufacturers to achieve Net-Zero Carbon Neutrality.

Core Expertise

Engineers OES PowerGuardian featuring 8kHz high-frequency electrical fingerprinting and patented non-invasive hook-and-go sensors to deliver edge-to-cloud AI energy diagnostics with zero production downtime.

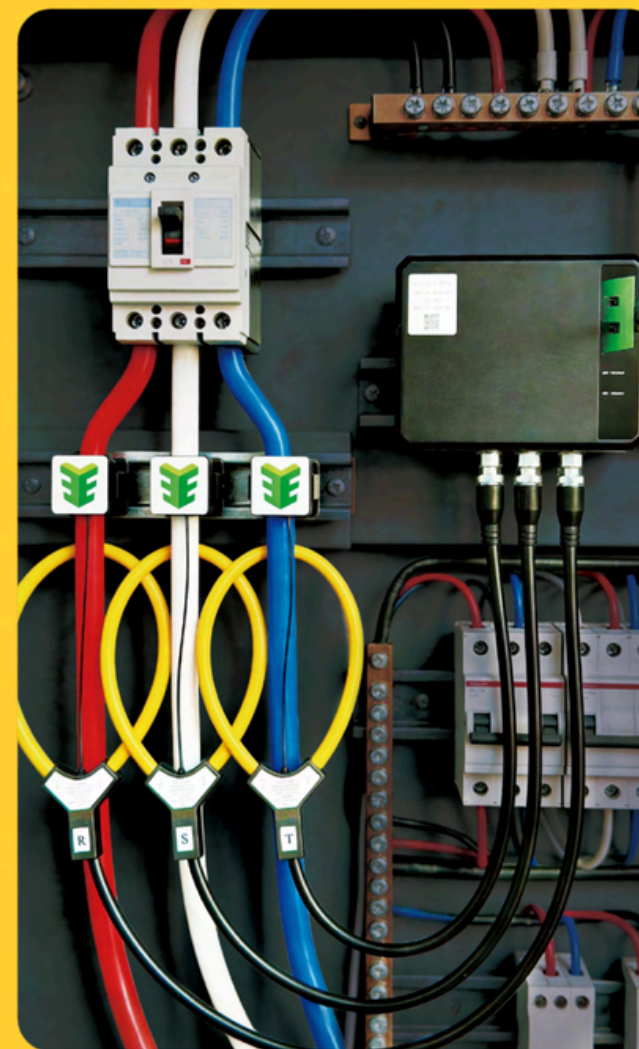
Energy Saving & ESG

Reduces factory energy consumption by 10-15% through automated tracking. It eliminates unplanned outages and simplifies international ESG compliance with audit-ready Scope 2 and Scope 3 carbon reporting.

Energy Management

High Efficiency

Zero Loss



THE INVISIBLE PROFIT

UNLOCKING INDUSTRIAL EFFICIENCY WITH iEECMS

ZERO DOWNTIME. ZERO WIRING. MAXIMUM VISIBILITY.



NON-INTRUSIVE INSTALLATION: THE POWER OF ZERO



1. CLIP ON
(Zero Downtime)



2. WIRELESS CONNECT
(Zero Wiring)



3. SELF-POWERED
(Zero External Power)

Company Profile

Apollo Power Co., Ltd. is an integrated digital energy service provider delivering scalable, data-driven AI solutions and one-stop engineering to accelerate net-zero carbon transitions for international enterprises.

Core Expertise

Engineers D.J. Smart Power, an AI-driven cloud platform utilizing predictive modeling to seamlessly consolidate carbon tracking, solar monitoring, behind-the-meter energy storage management, and green power trading.

Smart Trading & Compliance

Optimizes multi-site renewable energy distribution through real-time analytics, drastically cutting corporate power costs while ensuring full transparency for international ESG compliance.



Company Profile

AptObject Corporation, established in 2000, specializes in designing cutting-edge software and hardware systems. The company executes complex system integrations globally, providing advanced, sustainable IT solutions that optimize operational procedures, significantly reduce corporate energy consumption, and actively accelerate the enterprise transition toward a low-carbon future.

Core Expertise

AptObject excels in delivering advanced technical capabilities to drive enterprise net-zero and sustainability goals. Through data-driven intelligence, our core expertise enables organizations to seamlessly detect energy inefficiencies, minimize carbon emissions, and deploy precise energy-saving strategies, transforming complex environmental challenges into measurable, high-efficiency advantages for global business operations.

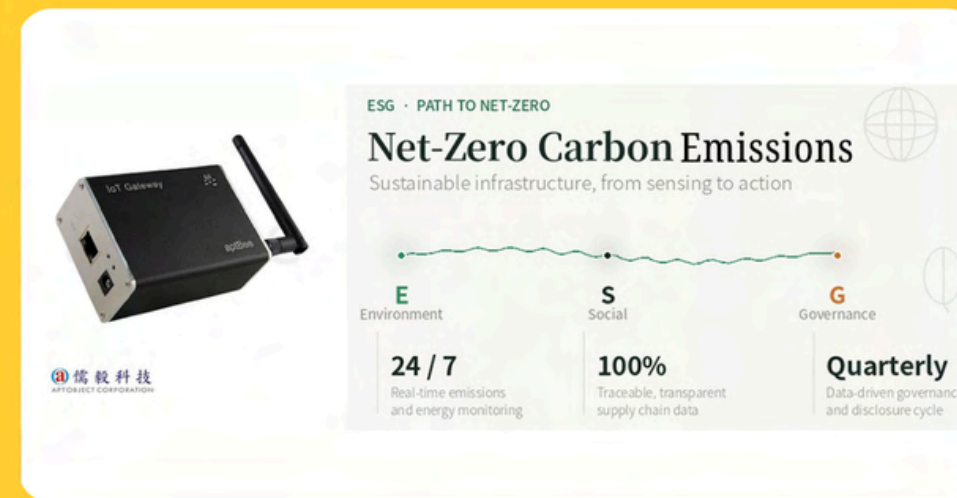
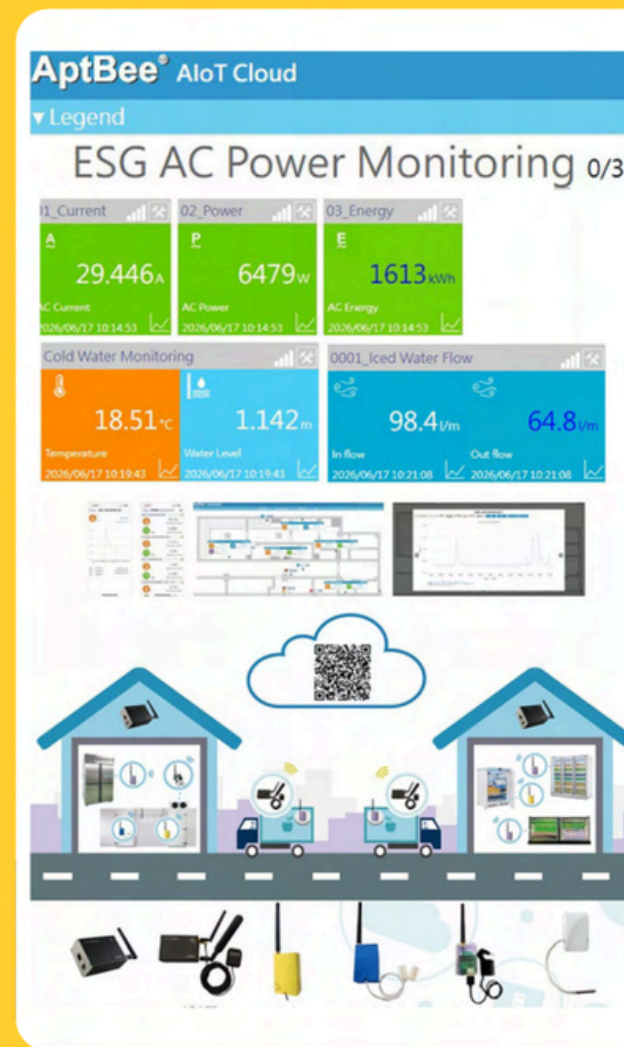
AptBee AIoT ESG Solution

Our flagship AptBee AIoT Solution is engineered for granular ESG energy monitoring and management. By integrating low-power wireless sensors, intelligent gateways, and cloud platforms, AptBee delivers real-time visibility into power consumption. This enables automated anomaly detection and proactive control, eliminating resource waste to provide verifiable data for carbon accounting.

Energy Management

High Efficiency

Zero Loss



Company Profile

As a ZYXEL Group member, Ardomus Networks Corporation is a premier global architect delivering resilient Advanced Metering Infrastructure (AMI) and intelligent, data-driven facility solutions for international energy transitions.

Core Expertise

Engineers K8S cloud-native Head-End Systems and Wi-SUN Mesh FAN modules, integrating supercapacitor-powered "Last-gasp" alert technology to ensure zero-downtime, bi-directional smart meter communication under complex grid environments.

Carbon Efficiency & Grid Dispatch

Leverages resilient smart meter data to enable precise carbon emission tracking across the grid. Through intelligent load scheduling and peak shaving, it reduces operational carbon footprints and enhances grid efficiency.



AWAREK Thermal AIoT Early Fire Detection System

Company Profile

AWAREK Co., Ltd. is a Taiwan-based Thermal AIoT company developing early fire detection and intelligent safety monitoring solutions for buildings, factories, warehouses, and critical infrastructure. By combining thermal imaging, Edge AI, IoT connectivity, and cloud-based alert services, AWAREK helps facility owners detect abnormal heat before smoke or flames appear.

Core Technology

AWAREK's Thermal Image Fire Detector provides 24/7 non-contact temperature monitoring and AI-powered thermal anomaly analysis. The system identifies abnormal heat sources, temperature rise trends, and potential fire risks in electrical panels, motors, batteries, machinery, and high-risk industrial areas.

Infrastructure Safety & Asset Resilience

AWAREK enables earlier risk intervention by detecting high-temperature anomalies in homes, commercial buildings, factories, warehouses, and energy facilities. The solution supports ESG-driven safety management, reduces fire-related operational downtime, and helps enterprises improve asset protection and emergency response efficiency.

Energy Management

High Efficiency

Zero Loss



THERMAL MONITORING SOLUTIONS 熱感監測解決方案



POWER PANEL MONITORING
配電盤監測



EV CHARGING SAFETY
充電設備安全監測



INDUSTRIAL EQUIPMENT MONITORING
設備過熱與早期火災預警



Factories
工廠



Buildings
建築物



Power Panels
配電盤



EV Charging
充電設備



Warehouses
倉儲物流



Transportation
交通領域



Critical Infrastructure
關鍵基礎設施

WIDE APPLICATIONS / 應用場域

Company Profile

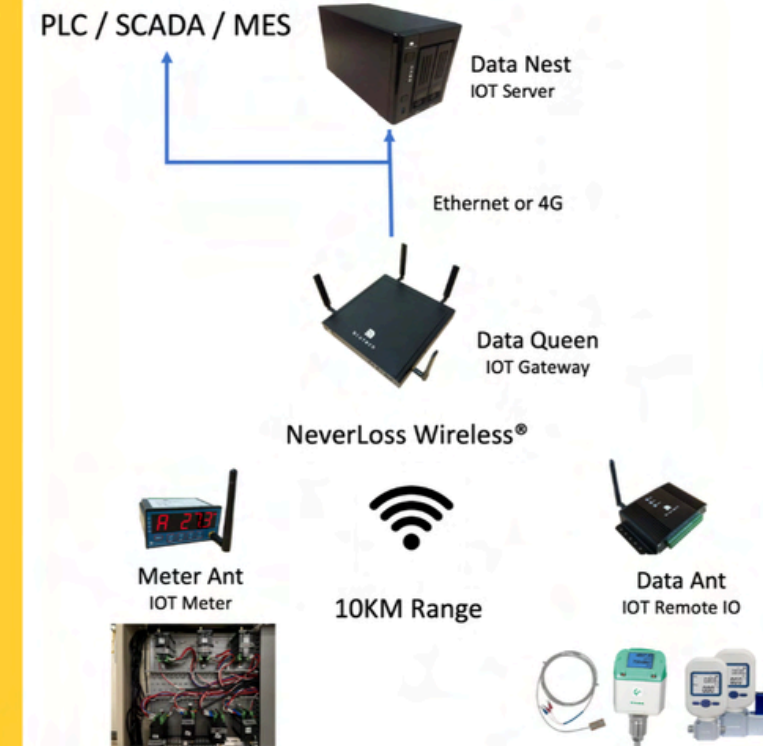
BLUTECH INC. is Taiwan's leading wireless energy management provider, empowering over 50 listed corporate giants to accelerate sustainable energy transitions through rapid, cloud-based data deployment.

Core Expertise

Utilizes proprietary NeVerLoSs® wireless technology to stream water, electricity, and gas sensor data across 10km without external base stations, featuring a localized carbon emission factor algorithm.

Net-Zero & Rapid ROI

Cuts infrastructure wiring deployment from months to two days. It provides real-time CO2e tracking and carbon credit assessments while eliminating critical data loss during network disconnections.



Company Profile

Specializing in advanced CO₂ utilization, Carbonclean Energy partners with UC Berkeley experts to deliver proprietary catalyst solutions, transforming waste gas into valuable green resources.

Core Expertise

Engineers E-Oak, a compact 5G-AIoT electrolyzer converting CO₂ under ambient conditions using water-sourced hydrogen ions, bypassing hazardous thermochemical processes via a patented, modular stack architecture.

Circular Value & Products

Processes 5 tons of CO₂ annually per unit to synthesize green methanol, ethylene, or syngas, enabling heavy industries to achieve onsite decarbonization and generate new economic streams.





Company Profile

Couplet technology is an innovation-driven expert in rare earth recovery and full-process wastewater treatment solutions. The company focuses on recycling valuable substances and regenerating green energy from water resources.

Core Expertise

The Tubular Membrane Filtration system utilizes multi-layered organic polymer tube membranes with a 0.03-micrometer aperture. This high-precision technology enables efficient solid-liquid separation to recover industrial resources and critical metals.

Resource Regeneration & Low-Carbon Water Circularity

By extracting rare earth elements and reusing thermal energy from wastewater, this patented system creates new economic value. It drastically reduces enterprise environmental impacts, driving sustainable, carbon-efficient manufacturing processes.

Energy Management**High Efficiency****Zero Loss**

Company Profile

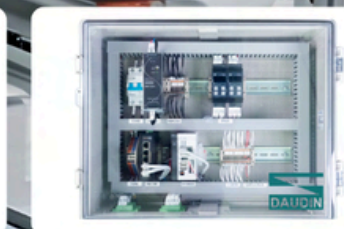
Our company was founded in 1975 and has been deeply involved in the field of industrial automation for more than ten years. In 2020, it was renamed "Daudin Co., Ltd." and is committed to developing intelligent manufacturing, low carbon production, energy saving optimization and digital transformation solutions.

Core Expertise

Our main products include ESG visualization systems, remote I/O, industrial PCs (IPCs), industrial relays, and signal conversion modules. Based on the connectivity of the Industrial Internet of Things (IIoT), we leverage the advantages of distributed control, edge computing, data acquisition, secure storage, and smart monitoring to help enterprises easily upgrade equipment automation and energy management, thereby comprehensively improving sustainability.

Energy Management

Clean energy cases significantly reduce cable material costs by over 40% and system integration costs by approximately 50%; system stability maximizes data reliability for Wide-Area Clean Energy Grid.

Energy Management**High Efficiency****Zero Loss**

Company **ekoXense** ekoXense Enterprise Ltd.

Company Profile

ekoXense Enterprise provides AIoT solutions for non-invasive predictive maintenance and energy management. The company aims to reduce unplanned downtime and energy waste across global infrastructure and industrial manufacturing.

Core Expertise

The ekoEN platform utilizes non-invasive motor current signature analysis to capture electrical signals and identify motor-driven faults and energy waste. The platform is also supported by a physics-based digital twin model representation calibrated to the specific motor-driven equipment, enabling accurate fault detection, performance benchmarking, and predictive insights from day one of deployment.

Operational Intelligence & Energy Optimization

RAG Generative AI transforms monitoring data into actionable recommendations, predicting Remaining Useful Life (RUL) and guiding maintenance decisions. The platform also identifies hidden energy waste, helping facilities achieve 10–30% electricity savings.

Energy Management

High Efficiency

Zero Loss

CLEAN ENERGY SOLUTION

AI-Powered Reliability & Energy Optimization

Digital Twin Intelligence for Net-Zero Manufacturing



PREDICT
Failures



OPTIMIZE
Energy



ACHIEVE
Net Zero

REAL FACTORY

DIGITAL TWIN

eKoEN
AI CLOUD PLATFORM

EQUIPMENT HEALTH
98%
HEALTH SCORE

ENERGY CONSUMPTION
-12.5%
vs LAST MONTH

CO₂ EMISSIONS
-18.7%
vs LAST MONTH

30%
LESS
DOWNTIME

15%
LOWER
ENERGY USE

10x
LOWER
DEPLOYMENT COST

35%
FASTER
RECOVERY



eKoEN
AI CLOUD PLATFORM



Company Profile

Golden Artisan Technology Industrial specializes in designing high-performance aluminum doors and windows. The firm possesses in-house R&D capabilities for extrusion materials, pioneering advanced green building energy transformations.

Core Expertise

Partnering with solar innovators, the company develops the AIZ (Artificer Intelligence Zero Emission) perovskite energy-generating windows. These systems seamlessly integrate light transmission, reliable sound insulation, and structural aesthetics.

BIPV & On-Site Power Generation

These innovative BIPV windows can be directly applied to building facades and glass curtain walls. By capturing solar energy on structural surfaces, they deliver clean, on-site electricity to drive net-zero building transitions.

Energy Management

High Efficiency

Zero Loss



Company Profile

GREAT POWER MICROELECTRONICS CO., LTD. (GMC), along with SMC, delivers a comprehensive ecosystem spanning secure automotive-grade access, robust EV charging infrastructure, and advanced cloud-based energy management systems (EMS).

Core Expertise

The Smart Mobility Ecosystem integrates a 7KW AC charging control board supporting global EV standards with the SEMS10 platform. It features encrypted dual-layer authentication and OCPP-compliant smart grid communication.

Grid Optimization & Intelligent Load Management

The system overcomes infrastructure limitations by intelligently distributing power to prevent grid overloading. Through remote scheduling and peak pricing management, it maximizes electricity efficiency and reduces corporate carbon footprints.

Energy Management

High Efficiency

Zero Loss



Company Profile

Founded in 2018, Meilin Energy Technology leverages cutting-edge microwave applications and advanced equipment integration to drive global industries toward a sustainable green energy economy and eco-friendly manufacturing.

Core Expertise

Our industrial microwave systems, first one in Taiwan, have three advantages, comprises: 1. Electromagnetic uniform design; 2. Impedance matching design; 3. Electromagnetic leakage suppressing design.

Circular Energy & Recycling

Enables complete recycling of advanced composites like wind turbine blades and EV components, helping industries eliminate massive waste and achieve international net-zero carbon compliance seamlessly.



Company Profile

SMANEX Co., Ltd. specializes in industrial wireless networking and AIoT edge-intelligence solutions. We deliver comprehensive Industrial IoT systems that optimize global industrial energy use, power digital transformations, and provide advanced AIoT-driven cooling tower energy-saving solutions in alignment with ESG principles.

Core Expertise

We engineer rugged industrial gateways featuring Node-RED edge intelligence and multi-protocol conversion (Modbus, MQTT, BACnet, and IEC 60870-5-104). Our gateways enable real-time telemetry and 24/7 autonomous closed-loop control for complex chemical dosing (such as ClO_2 stabilization) and water-quality inspection under extreme temperatures from -40°C to $+75^\circ\text{C}$.

Energy Saving & Value

Powered by Node-RED edge logic, SDRMS network management, and AI Agent, our system eliminates cooling system scaling and biological fouling, maximizing thermal efficiency, reducing electricity and water waste, and delivering transparent, verified ESG carbon-reduction data directly to your enterprise dashboard.

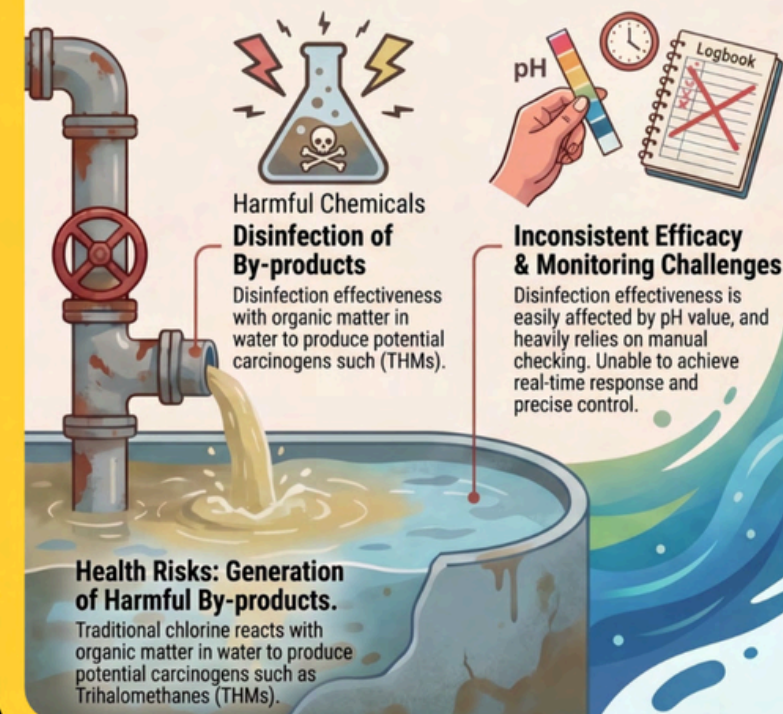
Energy Management

High Efficiency

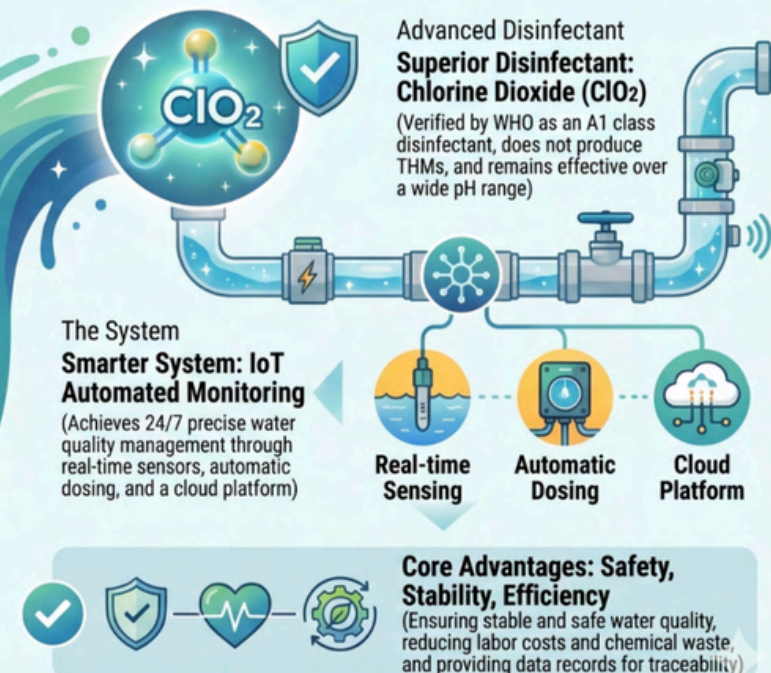
Zero Loss

A New Era of Smart Disinfection: The Revolution of Chlorine Dioxide Combined with IoT Monitoring

Challenges Facing Traditional Disinfection Methods



SMANEX Smart Disinfection Solution





Company Profile

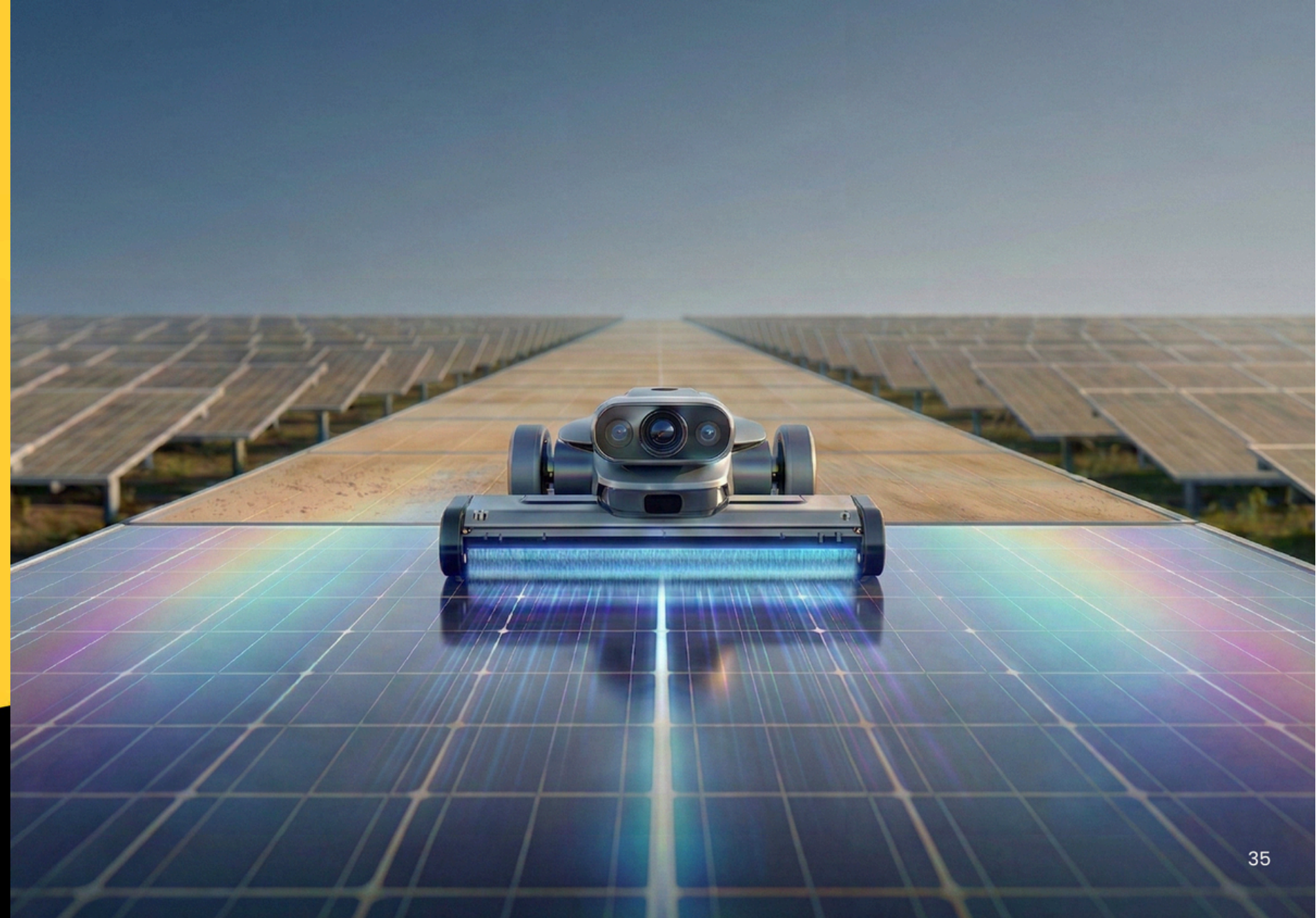
SolarSDGs Inc. is an innovative, holistic chemical-hardware-software integrated company delivering next-generation Coating-as-a-Service by Result (CaaS) models to maximize global Solar Power Plant yield and operational efficiency.

Core Expertise

Integrates five proprietary technologies — chemical formulation, advanced coating tech, IoT monitoring, AI inspection, and automated coating robots — to execute high-precision, performance-proven smart maintenance for solar panels.

Generation Boost & ROI

Boosts power generation by 3–9% while reducing manual cleaning chores and water waste by 50%, revitalizing returns, rejuvenating aging assets, and drastically driving down O&M costs.



Company Profile

Established in 1980, SUNON is a global leader in energy-saving motor and thermal technology, trusted by world-renowned brands to deliver advanced cooling solutions that drive world-class sustainability.

Core Expertise

Engineers HVLS Fan Series 10 featuring a high-efficiency (>90%) gearless direct-drive BLDC motor, aerodynamic diversion design, and a patented weldless unibody yoke for maximum structural safety.

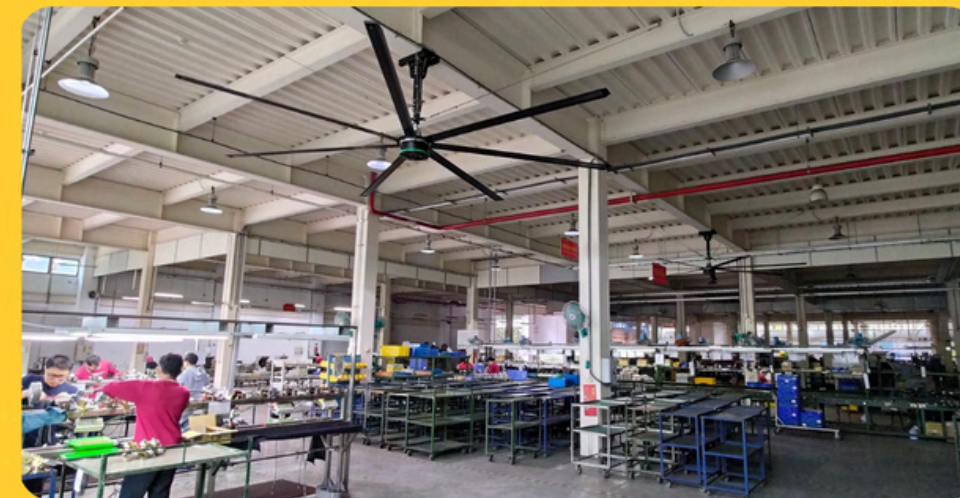
Energy Saving & ESG

Saves 32% more electricity than US competitors. It cuts HVAC costs by 25–30% through elimination of temperature stratification, enabling industrial and commercial facilities to meet stringent ESG goals.

Energy Management

High Efficiency

Zero Loss



Company Profile

Founded in 1986, TennRich International Corp. is a global pioneer in portable power, delivering premium, certified energy storage solutions and creative design for sustainable, mobile lifestyles.

Core Expertise

Engineers high-capacity 270,000mAh portable stations featuring clean 1100W pure sine wave AC output, solar panel charging inputs, and patented grounding design for emergency EV charging.

Off-Grid Mobility & Certification

Weighing just 8.9kg, this versatile, multi-certified (CE/FCC/BSMI) unit powers outdoor, medical, and automotive equipment, providing a reliable, eco-friendly mobile microgrid with a USD 2M product insurance.

Energy Management

High Efficiency

Zero Loss



ComCompany Profile

TGM Technology Co., Ltd. is a Taiwan-based smart system provider delivering scalable wireless lighting and control solutions to optimize energy efficiency for global residential and commercial infrastructures.

Core Expertise

Engineers Healthy Smart Lighting ecosystems featuring low-power wireless architectures that operate independently without Wi-Fi or routers, integrating seamlessly with advanced sensors and occupancy-driven automation logic.

Energy Saving & Smart Load

Eliminates operational energy waste through automated circadian scheduling and sensor-driven zone controls, drastically reducing grid loading and carbon footprints across long-hour institutional spaces. while significantly extending luminaire lifespan.

Energy Management
High Efficiency
Zero Loss




Company Profile

Transcend Smart Home Co., Ltd. is a premier developer delivering one-stop AIoT smart living integration services, optimizing spatial energy management, safety, and healthcare monitoring for global facilities.

Core Expertise

Engineers an integrated AIoT platform consolidating commercial & industrial energy storage systems and advanced power conversion technology to seamlessly orchestrate building renewable energy integration and automation.

Decentralized Energy Efficiency

Optimizes electricity usage across residential developments and smart buildings through real-time monitoring, drastically increasing power efficiency to lower corporate and community carbon footprints.

Energy Management

High Efficiency

Zero Loss





Company Profile

Founded in 2009, Wang Ding Feng is a premier professional OBM/OEM manufacturer specializing in high-efficiency, eco-friendly energy-saving ventilation systems and smart commercial equipment solutions in Taiwan.

Core Expertise

Engineers flat-panel light steel frame DC fans featuring universal 110V-240V voltage compatibility, ECO intelligent frequency temperature-sensing automation, and an aerodynamic unobstructed airflow internal structure.

Grid Synergy & Deep Saving

Exceeds national energy efficiency standards to drastically lower building carbon footprints. By smoothing thermal stratification, it optimizes HVAC loads to reduce global grid pressures.





Company Profile

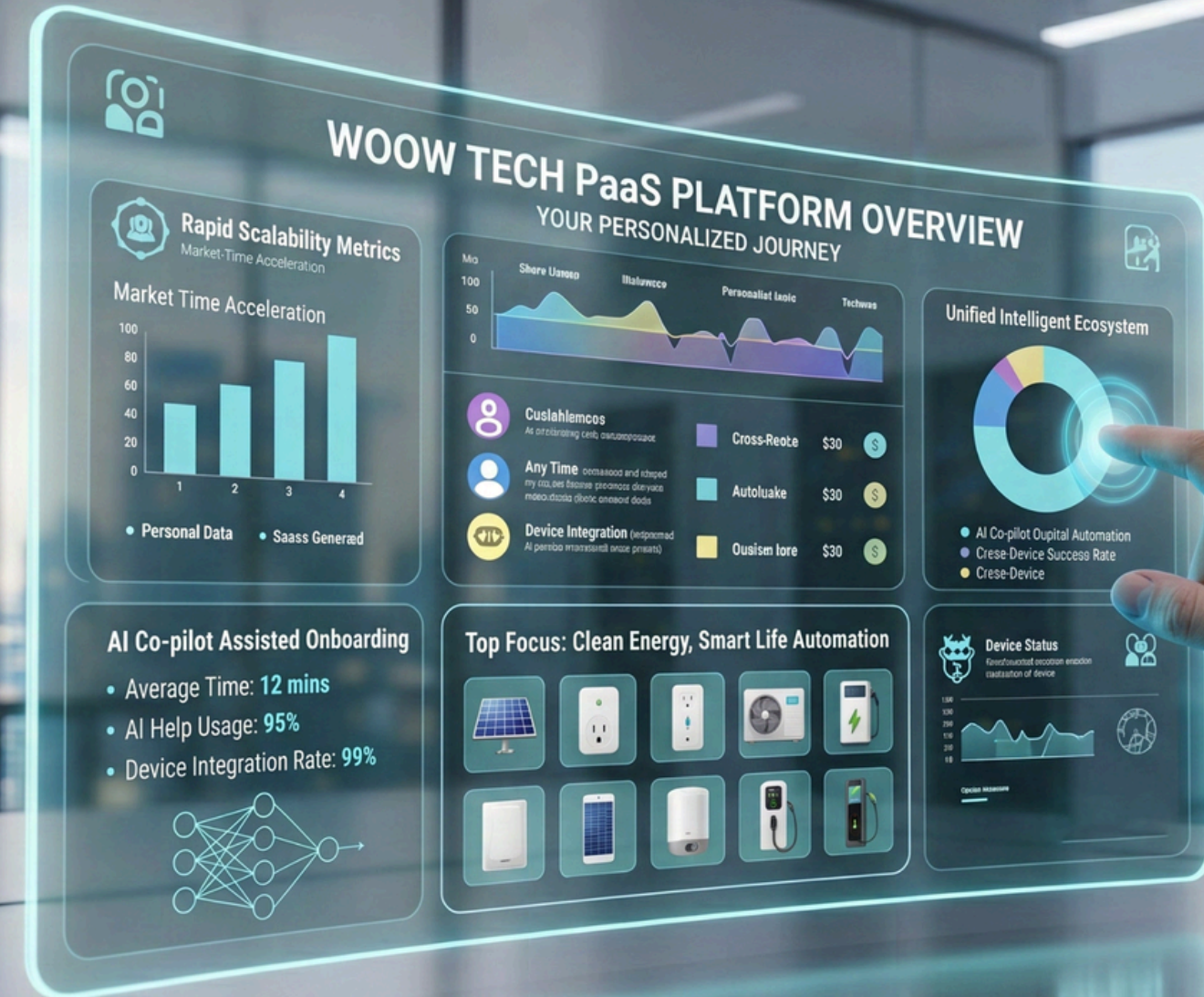
Woow Tech Co., Ltd. is a premier smart systems provider delivering high-quality, customized integration services and advanced IoT solutions to optimize convenience, comfort, and intelligence across global spaces.

Core Expertise

Engineers an intuitive PaaS platform and AI SaaS architecture featuring a proprietary "AI Co-pilot" to seamlessly bridge disparate hardware protocols and orchestrate automated cloud logic.

Proactive Energy Saving

Transforms complex IoT infrastructure into a unified ecosystem for proactive energy management, eliminating fragmented operations to rapidly accelerate scalable carbon reductions for modern facilities.



Company Profile

Backed by 20 years of automation expertise, YFC Tech integrates advanced AI and IoT systems to deliver intelligent energy management and comprehensive disaster prevention infrastructure for global industries.

Core Expertise

Deploys SCADA-integrated EMS and smart meters combined with AI vision algorithms to manage real-time power loads and monitor critical hardware anomalies without manual inspection intervention.

Energy Safety & Early Warning

Provides 24/7 smart early warnings for green energy facilities. It successfully prevents electrical fire hazards, ensuring high network resilience and maximizing operating uptime for clean energy grids.

Energy Management

High Efficiency

Zero Loss





Company Profile

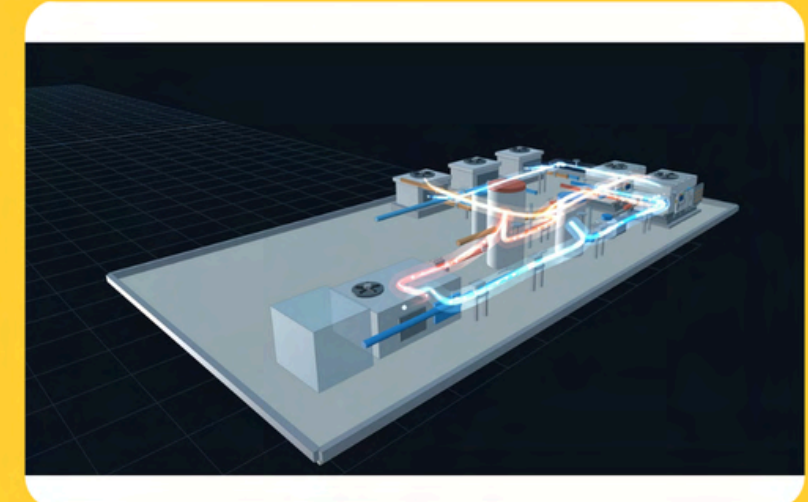
ZiG.co is a premier developer of modular visualization systems, delivering turnkey solutions from EMS to Digital Twins that empower global enterprises to fast-track their smart and digital transformations.

Core Expertise

Engineers a No-Code platform featuring a cross-brand protocol-bridging package center and drag-and-drop visualization to construct BIM-integrated Digital Twins and domain-specific AI applications seamlessly.

Active Energy Optimization

Deploys an intelligent AI Agent to orchestrate granular asset data, predicting power loads and optimizing virtual energy networks to maximize corporate cost efficiency during large-scale carbon reductions.



SOLUTION 2



ENERGY GENERATION

Leveraging cutting-edge solar, wind, and alternative energy technologies, we help clients produce clean, localized power to reduce reliance on traditional fossil fuels.





Company Profile

With 20 years of manufacturing expertise in solar panel, Googol Company supplies major US retail chains with premium standard, customized, flexible, and foldable solar panels, empowering global developers with efficient, decentralized clean energy.

Core Expertise

Our solar panel ranges from 0.2W-200W standard/cutomized panels to 120W-480W flexible and 10W-400W foldable solar panels. Googol Company is the only one manufacturer in Taiwan who make flexible solar panel and custom/mini solar panels. Customized solar panels can be used for IoT industries where we can make solar panel in any size and any wattage to match the power need of clients' outdoor devices.

On-Site Renewable Energy & Structural Flexibility

Engineered for vertical walls and weak roofs, our lightweight flexible panels add zero architectural burdens. Additional benefits of flexible solar panel is quick and easy installation, no mounting rack is needed, save time and installation cost. Only 1/5 the weight of glass solar panel, with same life span of 20 years.



Flexible Solar Panel



www.googol.com

客製化太陽能板
Customized solar panels



Company Profile

INFLUENCE TECHNOLOGY CO., LTD. pioneers green energy innovations, specializing in high-efficiency inverters, energy storage systems, BIPV aluminum mounting systems, and intelligent solar cleaning solutions to maximize global sunlight utilization.

Core Expertise

The iSPC is an AI-powered autonomous solar cleaning system featuring intelligent soiling and defect recognition. It utilizes advanced AI image analysis to perform targeted intensive scrubbing on specific solar panel contaminants.

Water Optimization & Solar Performance Enhancement

The platform features precision water management that dynamically adjusts spray volumes based on soiling severity to prevent water waste. It eliminates uniform sweeping, drastically improving light transmittance while mitigating critical hotspot risks.



Company Overview

Founded in 2016, IRUAV Technology Co., Ltd. specializes in AI-powered solar asset management and drone inspection solutions. The company developed the IRUAV APP, a Smart Solar O&M SaaS platform that integrates drone thermal inspections, AI analytics, cloud-based asset management, and expert verification into a unified digital workflow.

Smart Solar O&M Platform

The IRUAV APP enables solar asset owners, EPC contractors, and O&M service providers to efficiently manage inspection activities throughout the entire asset lifecycle. By combining drone thermal imaging, orthomosaic mapping, module-level localization, AI thermal anomaly detection, and cloud reporting, the platform transforms complex inspection data into actionable maintenance insights.

Key Benefits

The IRUAV APP helps solar power plants improve operational efficiency, reduce maintenance costs, and enhance long-term asset reliability. Through early detection of thermal anomalies and standardized digital inspection records, operators can minimize energy losses, optimize maintenance planning, and maximize the performance of solar assets across multiple sites.

IRUAV APP

Smart Solar O&M SaaS Platform

AI × Drone × Cloud



DEFECT TYPE

Bird Dropping / Dust

Soling accumulation may cause cell overheating or bypass diode conduction, reducing module output.

ΔT: 20–40°C

Recommended Action

Clean module surface

Inspection Results

Thermal defect types	Note placed pions	11 pannel %
Hot spot in open circuit	1	0.07%
Soil dropping or Dust	1	0.07%

Drone Inspection

AI Thermal Analysis

Cloud Asset Management

Company Profile

JS International provides containerized diesel, gas, and biomass power systems for industrial, commercial, and infrastructure applications.

Core Expertise

JS integrates high-efficiency generators, containerized packaging, noise reduction, and control systems to deliver stable power for continuous or backup operation.

Distributed Power & Flexible Operation

Designed for rapid deployment and flexible operation, JS systems support grid-connected, islanded, and off-grid applications for factories, data centers, hospitals, islands, and emergency sites.

Clean Power

Cutting-Edge Tech

Fuel Independence





Company Profile

Stellar Green Co., Ltd. focuses on developing green energy systems spanning solar, wind, and micro-hydropower. Holding multiple core patents, the firm delivers advanced micro-power generation technology to meet rapid global electricity demands.

Core Expertise

The Multi-Layer Sun-Tracking Solar Power Generation System combines multi-layer stacked panels with single or dual-axis tracking mechanisms. This vertical integration ensures modules always face the sun, yielding the highest electricity production per unit area.

Land Efficiency & Maximum Power Yield

This system increases power generation by 25% to over 30% compared to fixed installations, doubling output with each additional layer. It optimizes spatial footprints across utility projects, commercial farms, and rooftops.





Company Profile

Taiwan Perovskite Solar Corp. (TPSC) pioneers the commercialization of third-generation perovskite solar cells. Leveraging independent R&D, the firm operates large-area production lines to foster net-zero buildings and smart agrivoltaics.

Core Expertise

The company provides high-efficiency perovskite solar cells characterized by lightweight flexibility and superior low-light performance. These innovative modules utilize tunable transparency and thin-film coating to blend seamlessly into modern architectural surfaces.

Decentralized Power Generation & IoT Self-Sufficiency

By turning facades into power-generating skins and utilizing indoor ambient light, these cells overcome urban space constraints and eliminate battery waste. They deliver low-carbon, maintenance-free electricity to accelerate corporate ESG transitions.



Company Profile

YC Synergy, founded in 2012, specializes in fuel cell power systems. Backed by fourteen patents, the firm possesses in-house module design capabilities with international maritime and automotive safety certifications.

Core Expertise

The company delivers advanced hydrogen fuel cell power generation technology. These clean modules are engineered to provide high-performance, stationary, and mobile renewable electricity across various global industries.

Zero-Emission Hydrogen & Corporate Decarbonization

This hydrogen power generator serves commercial vehicles, maritime transit, data centers, and enterprise applications. It replaces fossil fuels with sustainable, zero-emission backup electricity to accelerate green global transitions.



SOLUTION 3

ENERGY STORAGE

Our high-capacity storage solutions ensure a stable power supply by balancing grid loads and capturing surplus energy, which is essential for the reliability of renewable energy sources.



Company Profile

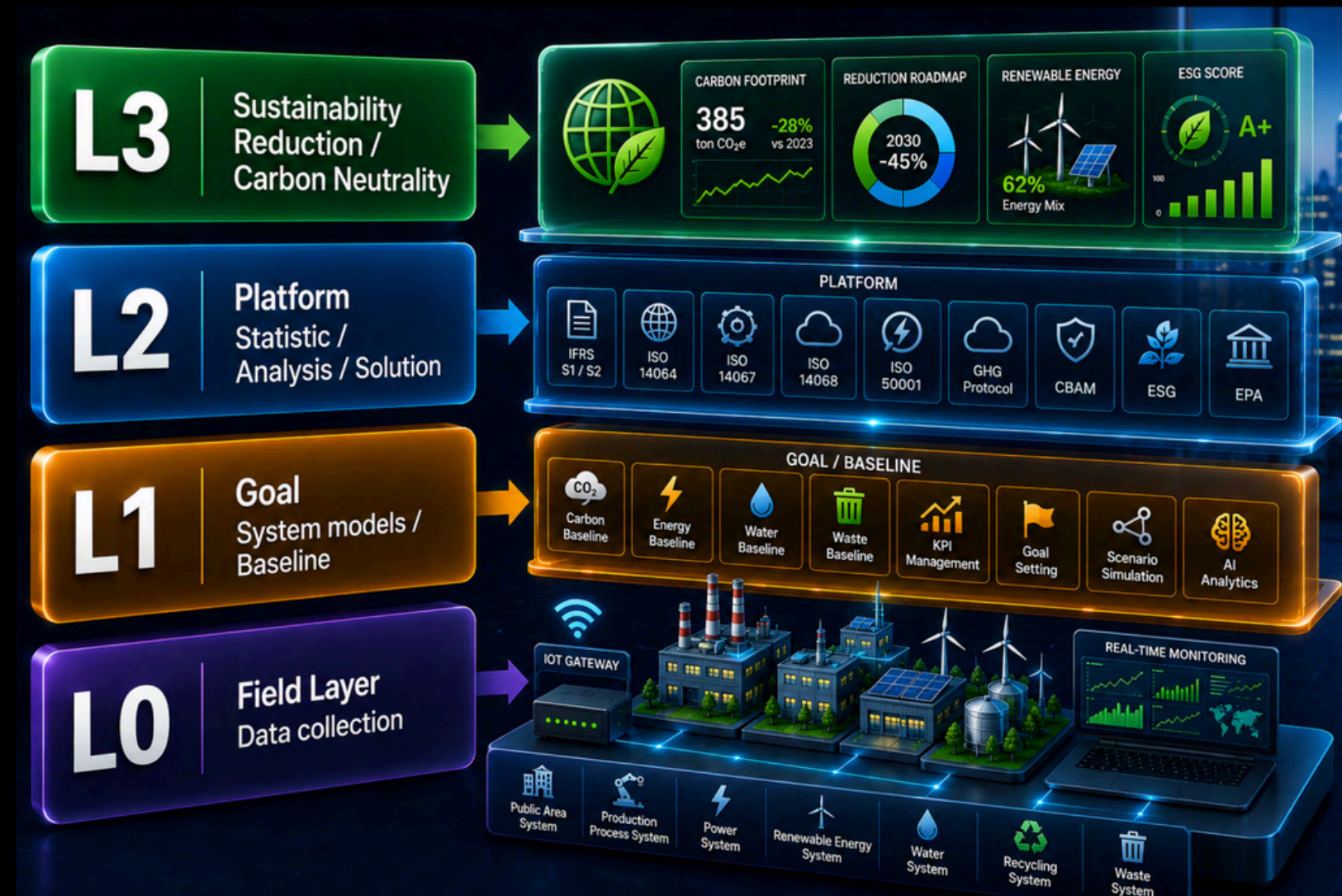
LEVE Bio Green Energy Technology specializes in industrial energy digitalization and carbon management. The company deploys the FloTEMMIS platform to enable real-time monitoring, analytics, and verifiable carbon accounting for manufacturers.

Core Expertise

The FloTEMMIS solution builds data acquisition and analytics infrastructure for factories. Utilizing industrial gateways and edge processing, it converts operational energy data into auditable metrics aligned with international standards.

Energy Performance Optimization

By tracking power and thermal intensity, this platform identifies energy hotspots. It provides the traceable evidence required to eliminate electrical waste, optimize utility efficiency, and accelerate corporate decarbonization.





Company Profile

NAGAOKA MACHINERY CO., LTD., founded in 2004, is Taiwan's largest elevator traction machine manufacturer. The leading brand established a dedicated R&D center to develop advanced energy storage-type green energy recovery systems.

Core Expertise

This energy storage recovery system utilizes maintenance-free supercapacitors with superior power density to recover regenerative energy from elevator. Compatible with all brands, it improves elevator energy-saving efficiency by 20% to 30%.

On-Site Energy Generation & Grid Optimization

This system prevents regenerative energy from returning to the grid, eliminating harmonic interference. By recycling kinetic energy into storable electricity, it drastically reduces corporate carbon emissions and utility costs.

Energy Capture

Power Stability

Renewable Backup



Company Profile

VastGlide Energy Group Corporation delivers industrial-grade energy storage systems utilizing LFP and LTO battery technologies. Operating a 50 GWh capacity, the provider offers full vertical integration to accelerate global energy transitions.

Core Expertise

The Low Voltage Parallel power storage system features a modular, distributed architecture with built-in fault isolation. Utilizing fanless natural air convection, it eliminates external cooling to optimize overall energy conversion efficiency.

Infrastructure Safety & Lifecycle Sustainability

By replacing high-voltage risks with a low-voltage parallel design, this microgrid-ready solution extends service life over ten years. It minimizes parasitic consumption, ensuring stable, low-maintenance electricity for sustainable smart infrastructures.

Energy Capture

Power Stability

Renewable Backup





Company Profile

Elecuro, founded in 2025, focuses on dry-process recycling of waste lithium batteries. Headquartered in Taoyuan, the company operates complete recycling facilities and a professional team dedicated to sustainable resource recovery.

Core Expertise

The company offers customized turnkey solutions featuring 100 kg/h and 500 kg/h production models. This flexible system configures downstream processing lines based on client capacities and specific material requirements.

Green Material Circularity & Zero-Emission Recycling

Utilizing dry physical sorting without chemical solvents or wastewater, this process recovers critical metals like lithium, cobalt, and nickel. It eliminates secondary pollution, securing key feedstocks for clean energy supply chains.



MEMO



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