



Environment  
+ Energy  
**LEADER**

**AWARDS  
2023**



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# A LETTER FROM THE PUBLISHER

Dear Esteemed Reader,

As you open this eBook, we at C-Suite Compass would like to extend a warm welcome as we introduce you to this year's winners in the Environment+Energy Leader Awards program. Despite our recent acquisition of E+E Leader, our roots in this thriving community run deep, and so we are once again delighted to accompany you on this journey of discovery by presenting our 2023 E+E Leader Awards eBook. Read on to join us in a celebration of groundbreaking projects and innovative products that continue to shape a more sustainable future for all.

We pause here, at the beginning, to say simply: Thank you. Your curiosity, engagement, and contributions are what breathe life into these pages. Every word written, every award mentioned, each project or product featured in this eBook is a testament to your dedication. Whether you are here as a passionate reader, a committed participant, or a triumphant award winner, you have our heartfelt appreciation for being part of this significant journey.

This year's E+E Leader Awards truly display the feats achievable when creative minds and determined spirits strive for a sustainable tomorrow. Each entry, as diverse and unique as the organizations they represent, illuminates the path towards environmental stewardship and energy efficiency. The immense creativity, dedication, and innovation embedded in these projects and products continue to inspire us and, no doubt, will inspire you.

Congratulations to all our winners. Your extraordinary work not only inspires admiration but also raises the bar for what's achievable in environmental sustainability and energy leadership. Your accomplishments serve as lighthouses in our collective journey, reminding us all of what we strive for in this space.

As you delve deeper into these pages, we invite you to discover the remarkable array of this year's outstanding entries. Each one embodies the spirit of innovation, resilience, and commitment that the E+E Leader Awards seek to recognize.

Lastly, we would like to direct your attention to page 83. Here, you will find the profiles of our esteemed judges who volunteer their time and expertise to ensure the integrity of our awards. Their impartiality, dedication, and wisdom are invaluable to us, and we would like to express our deepest gratitude for their contribution.

With this, we encourage you to embark on your journey through this year's E+E Leader Awards eBook. Discover the outstanding projects and products, take inspiration from the winners, and join us in celebrating the collective efforts of our vibrant community.

Thank you again for being part of this journey. Happy reading!

With Warm Regards,

Sarah Roberts & Jessica Hunt  
C-Suite Compass LLC  
Environment+Energy Leader

# 2023 JUDGING PANEL

**Angela Gordon**  
TRC Companies

**Charles McEwen**  
Atlanta Veterans Health Care Administration

**Cheri Chastain**  
SomersWest

**Christopher M. Gray**  
RENU Communities

**Claudia Herbert Colfer**  
United Nations Global Compact Network USA

**Cyril Toussaint**  
NYC Health + Hospitals

**Kirby Dipert**  
TRC Companies

**Doug Parker**  
Ecolumix

**Jeff King**  
Bath and Body Works

**Jigar Shah**  
Generate Capital

**Kelly Meissner**  
Ventas REIT

**Kevin Sok**  
Bridge Investment Group

**Kisa Baskin**  
WernerCo International

**Niki King**  
Clorox

**Travis Solberg**  
Solberg Mfg

**Paul Blagbrough**  
ERM

**Paul Campbell**  
ICF International

**Paul Leavoy**  
Thentia

**Salem Afeworki**  
City of Costa Mesa

**Susan Pinera**  
SBM Corp

**Thomas Pagliuco**  
TAPco Enterprises

# 2023 TOP PRODUCTS

## Judges' Choice

### Vitro Architectural Glass

Solarvolt™ Building Integrated Photovoltaic Glass

**Acuity Brands** – Atrius Sustainability

**Aeroseal** – HomeSeal Express (HSX)

**Agilent** – Agilent Bond Elut PFAS WAX

**Ambipar** – Sustainable Biocapsules  
– Transforming Waste into Trees

**American Tire Distributors** –  
Tire Recycling service

**Ampt** – i32 String Optimizer

**Assent** – Assent Sustainability Platform

**AutoGrid** – AutoGrid Flex™

**Beam Global** – Beam Global EV ARC

**Benchmark Gensuite** – AirLog

**BlockEnergy** – BlockEnergy

**Budderfly** – Energy Efficiency as a Service

**Call2Recycle** – OneDrum: Your  
Solution for Recycling Mixed Batteries

**Catalyze** – REenergyze®

**Cority** – Cority's Water Management Solution

**CPower** – EnerWise® Site Optimization

**CyrusOne** – CyrusOne DFW3

**Do Good Foods** – Do Good Chicken

**Ecometrica** – TCFD powered by Ecometrica

**EcoVadis** – EcoVadis Carbon Action Module

**Enchanted Rock** – Dual-Purpose Microgrids

**Eos Energy Enterprises** – Eos  
Znyth™ 2.3 battery

**Green Badger** – LEED and ESG  
Automation Platform

**Greenstone** – InvestorPortal

**GridPoint** – Intelligent Energy Network

**Heila Technologies** – Heila iQ™

**Honeywell** – Honeywell's UOP Ecofining™

**HST Technologies, Inc. (HST)** – View® by HST

**Hudson Technologies** –  
EMERALD Refrigerants

**Infinitum** – Aircore EC

*Continued on p.7*

# 2023 TOP PRODUCTS CONTINUED

*Continued from p.6*

**Installnet** – Ecoserv

**Lattice Semiconductor** – Lattice  
Avant FPGA Platform

**Mycocycle, Inc.** – MycoFILL®  
bio-based raw material from waste.

**Natron Energy** – Sodium-ion  
battery technology

**Prescriptive Data** – Nantum OS

**Schneider Electric** – Schneider Home

**Sphera** – SpheraCloud  
Environmental Accounting

**Sphera** – SpheraCloud Operational ESG

**Stem** – Stem's Athena®

**The AZEK Company** – TimberTech  
Advanced PVC Decking

**Thermo King**® – e1000

**Turntide Technologies** –  
Turntide Intelligent Barn

**UL 360** – Sustainability software for  
ESG and supply chain reporting

**United Airlines** – Sustainable Flight Fund

**VelocityEHS** – ESG Software

**Wärtsilä** – GridSolv Quantum

**Wolters Kluwer Enablon  
Vision Platform** – ESG

**Woodard & Curran** – Climate  
Risk Assessment

# 2023 TOP PROJECTS

## **Judges' Choice** **United Airlines -** Eco-Skies Alliance

**Ameresco** – Ameresco's Holy Cross Energy/Colorado Mountain College Solar-plus-storage Project

**Bioenergy Devco** – Maryland Bioenergy Center

**Camston Wrather** – Camston Wrather's Resource Recovery Plant

**Carrier** – Carrier Commercial Refrigeration and METRO F-Gas Exit Program

**DSD Renewables** – 5.67 MW solar canopy portfolio for San Bernardino City Unified School District

**East Bay Community Energy (EBCE)** – East Bay Community Energy (EBCE)'s Resilient Municipal Critical Facilities Program

**EcoEnergy** – A US Retailer saves over \$2.1 million in energy usage

**Enel North America** – Resilient Service Station at Alltown Fresh

**Flex** – Supplier Greenhouse Gas Emissions Reduction Program

**Forefront Power** – Rivian Solar Charging Yard

**GreenTrees** – Mississippi Alluvial Valley

**Honeywell** – Honeywell Emissions Management Solution (EMS)

**KB Home** – Microgrid Community

**Neste** – Transforming Gray Infrastructure into Green

**Plug Power** – Plug STAMP Facility

**Procter & Gamble** – Pampers

**RPD Energy** – Iron Mountain 24/7 Carbon Free Energy

**Schneider Electric and Citizens Energy Corporation** – Daughters of Mary Microgrid

**Schneider Electric** – Jersey City's Resiliency Plan Preps them to Weather the Storm

**Tigon Medical** – GreenRepair

**Turntide Technologies** – Turntide Electrification





TOP PRODUCT

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## Vitro Architectural Glass - Solarvolt™ Building Integrated Photovoltaic Glass



### WHAT THE JUDGES SAID...

Incredibly useful product for buildings around the globe to reduce energy costs and overall environmental impact.”

Seamlessly integrated into the building structure, the Solarvolt™ Building Integrated Photovoltaic (BIPV) Glass System by Vitro Architectural Glass unveils new possibilities for renewable power generation and design by combining aesthetics, CO<sub>2</sub>-free power generation and protection from the elements for commercial buildings. Solarvolt™ BIPV glass systems can replace traditional façade cladding materials, such as stone or ceramic materials, and enhance just about any part of commercial building exteriors: balustrades and balconies, skylights, spandrel glass, roof elements, canopies and more. Upon request, Solarvolt™ BIPV glass can even become a component of many traditional glass façade solutions. Once a size is determined, Vitro’s engineering services can

design the right photovoltaic glass lite for any project’s needs. Solarvolt™ BIPV glass lites can be used in a wide range of commercial buildings to enhance their aesthetics and energy generation performance, and design specifics such as cell density, transparency, colors and shapes can be adapted to the project’s aesthetic, performance and technical requirements. 🌱





## Acuity Brands - Atrius Sustainability



### WHAT THE JUDGES SAID...

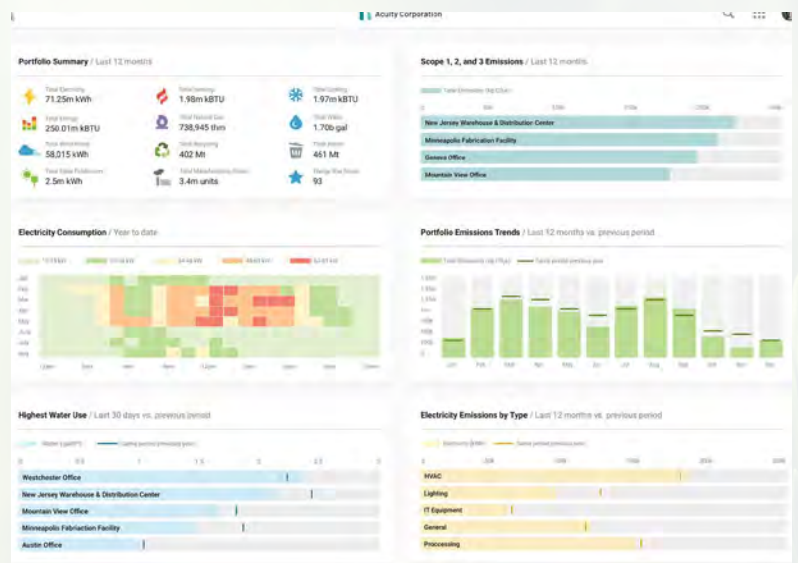
This is a useful product with the potential to have a huge impact in building emissions reduction and data tracking. The technology also has proven results."

A substantial part of organizations' environmental impact is created by their buildings, with the world's built spaces accounting for about 40% of global carbon emissions. Atrius Sustainability is a cloud-based solution helping organizations reach their sustainability goals and gather all the information needed from their building portfolios for today's sustainability reporting standards.

Atrius Sustainability provides robust, unrivaled sustainability insights into buildings' performance, emissions and areas for optimization. This allows organizations to easily collect and act on data, across all their buildings, and include it in their accounting for ESG purposes. The platform collects data for scopes 1, 2 and 3 carbon emissions, helping users meet the most up-to-date reporting standards for publicly traded companies, vendors and federal contractors.

Atrius Sustainability is used by a variety of industries, including technology providers, higher education, manufacturing and more, in the U.S. and in Europe. For organizations committed to reaching their ESG goals and creating transparency into their building performance, Atrius Sustainability provides everything they need to begin or enhance their sustainability journey.

Schedule a demo at [atrius.com](https://atrius.com). 🌱





## Aeroseal - HomeSeal Express (HSX)



### WHAT THE JUDGES SAID...

This is a great tool for helping homes become more energy efficient and reducing their impact on the environment.

Aeroseal is a breakthrough technology supporting the built environment in achieving airtightness and energy efficiency. It solves a significant, often overlooked, issue impacting the indoor environment of commercial and residential buildings throughout the United States and beyond: air and duct leakage. Backed by Bill Gates' Breakthrough Energy Ventures and implemented in over 250,000 buildings today, Aeroseal is the industry's leading advanced air and duct sealing solution.

As the first airless adaptation, HomeSeal Xpress (HSX) is the latest and lightest iteration of Aeroseal. Focused on residential new construction, HSX is engineered for efficient, effortless integration into the residential building's course of construction. The innovative configuration is equipped to ensure easy deployment into the new home, facilitating high-performance homebuilding.

Aeroseal raises energy efficiency, yielding a sealed system by targeting weaknesses. In total, this has contributed close to \$2 billion in energy savings. 🌱





## Agilent - Agilent Bond Elut PFAS WAX



### WHAT THE JUDGES SAID...

The presence of PFAS chemicals in our daily lives is a grave concern, making any technology that aids in their removal from the environment truly life-saving."

Per- and polyfluoroalkyl substances (PFAS) have been used in industry and consumer products since the 1940s and have been widely detected in water, air, soil, fish, and other complex matrices. Greater scientific understanding of these chemicals has inspired a need for accurate PFAS monitoring and identification, which is one of many areas that Agilent is leading the way with sustainable technology and innovation.

Agilent Bond Elut PFAS WAX solid phase extraction (SPE) cartridges isolate PFAS from environmental matrices, such as drinking water, wastewater, soil and sludges while delivering the consistency, reliability and robustness customers need, whether analyzing a few samples per week or hundreds per day. The extended PFAS target list, performance and flexibility allows customers to address multiple needs with one solution instead of several, optimizing laboratory costs by reducing the cost per sample, complying with increasingly stringent regulatory requirements,

minimizing costly contamination and decreasing data processing times and required troubleshooting time. 🍃





# Ambipar - Sustainable Biocapsules - Transforming Waste into Trees



### WHAT THE JUDGES SAID...

This product tackles both deforestation and waste. The detrimental impact of these issues on global warming is immense, and it is heartening to see a product that addresses both of them, contributing positively to the planet."

Sustainable Biocapsules – Transforming waste into trees is a solution created with biodegradable collagen capsules derived from waste from the pharmaceutical industry (leftover capsules that have not gone through the quality process or are close to their expiration date). Together with encapsulated native tree seeds and soil conditioner made from waste from the pulp and paper industry (sludge and biomass), they are used for remote reforestation via drones, thus facilitating the logistics and the probability of germination, compared to the traditional reforestation system, mainly in remote areas of difficult access.

This technology, in addition to promoting the concept of circular economy through the valorization of industrial by-products, also contributes to the economic promotion of traditional indigenous communities through the purchase of cooperative seeds. Combined with the collagen capsules and conditioner, the seeds are protected

from insects and the sun and have a greater probability of germination.

The germination rate of the biocapsules is at least 60%, a value higher than that of traditional direct sowing techniques. In just one drone flight, it is possible to transport up to 20,000 biocapsules, enough to reforest one hectare. 🌱



The dispersion of Biocapsules can be done through a mechanical system installed in a drone, which facilitates the distribution of capsules in more remote locations, reducing costs and further increasing the positive effects of Biocapsules promoting the circular economy.

Biocapsule dispersed through drone mechanism

Seed protected by collagen capsule



the capsule is biodegradable and releases the seed with the Ecosolo (soil conditioner)



The nutritive composition of the capsule and Ecosolo optimize germination





## American Tire Distributors - Tire Recycling service



### *WHAT THE JUDGES SAID...*

This provides a clear environmental benefit to ATD. They are providing a service to make it easier for shops to handle used tires."

American Tire Distributors (ATD) created a new tire recycling initiative to collect scrap tires from retailers when new tires are delivered. This service was designed to provide reliable, environmentally friendly scrap tire pickup while also reducing the number of tires that end up in landfills. More than 274 M scrap tires are generated annually – every one of these tires needs a sustainable outcome.

After the scrap tires are collected, they are delivered to recyclers who repurpose them into new tires, crumb rubber, and more. Many of these recycled outcomes are circular, where material can be used again and again to make a product better. Within a few years, the goal is to recycle as many scrap tires as the number of new tires ATD delivers.

ATD is the unique connector in the tire recycling space, as the company has pre-existing relationships with tire manufacturers and retailers. Delivery trucks feature a designated area called

“Tire Alley” that separates new tires from scrap tires. By utilizing delivery trucks to backhaul the scrap tires to recyclers, ATD’s tire recycling service reduces overall greenhouse gases (GHG). As of May 1, 2023, the service is offered at 51 distribution centers (DCs) out of 113. 🌱





## Ampt - i32 String Optimizer



### *WHAT THE JUDGES SAID...*

Provides performance improvements and cost reductions to mission-critical utility-scale PV systems."

Ampt i32 String Optimizers are DC/DC converters that are used to lower the cost and improve performance of new solar PV systems, repower existing systems, and enable lower-cost DC-coupled storage. Together, these use cases are helping to ensure a rapid and successful transition to renewables. With the i32 String Optimizer, power is delivered at a high and fixed voltage. The higher voltage allows the entire system to operate at a lower current for a given power. This, in turn, reduces the costs of

electrical components such as cables, energy storage systems, and inverters. In addition, the optimizers perform MPPT on each string of PV modules to maximize lifetime production, and include wireless monitoring to improve O&M. With Ampt, developers and project owners can lower the total capital cost of power plants and simplify system and operation design, while generating and capturing more energy to ultimately increase project ROI. 🌱







## Assent - Assent Sustainability Platform



### WHAT THE JUDGES SAID...

This is a great customizable one stop shop product to address both ESG and regulatory requirements throughout the world."

The Assent Supply Chain Sustainability Platform is a category of solutions that combines software, service, and expertise to guide complex manufacturers through collecting, tracking, and reporting deep supply chain data.

Solutions, which include product compliance, trade compliance, and

ESG, are developed to help customers maintain market access, avoid penalties for non-compliance, and support long-term risk management and brand protection with defensible supplier data backed by regulatory subject matter expertise and guidance.

Programs are also supported by managed services to manage ongoing supplier education and run customers' supply chain due diligence programs. To support complex manufacturers in keeping up with changing regulations, Assent's experts must be in a constant state of innovation, examining new or changing regulations and identifying how we can build associated solutions.

In 2022, Assent launched our total ESG solution (supporting data for climate impact, resource use, biodiversity, product stewardship, human trafficking and slavery, labor rights, human rights, diversity/inclusion, organizational commitment, resiliency, data protection and privacy). 🌱





## AutoGrid - AutoGrid Flex™



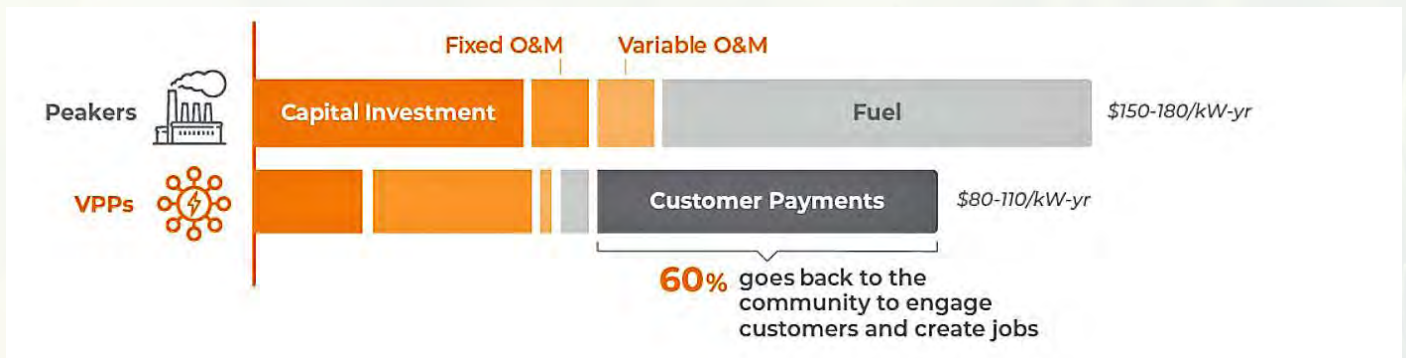
### WHAT THE JUDGES SAID...

This product can help optimize costs, emissions, and grid stress. This is a great use of AI technology to optimize the potential of existing assets."

The world can only get to 100% renewable energy by harnessing the potential of DERs. With AutoGrid's AI-driven Flex™ platform, customers across the power value chain can forecast and respond to fluctuations in renewables generation and spikes in demand from extreme weather and similar challenges. The software also helps power providers in forecasting and re-shaping demand while dispatching new grid capacity from DERs. By aggregating and orchestrating DERs through virtual power plants (VPPs), AutoGrid helps shift energy back into the grid and marketplace where and when it's needed most.

Peaker plants are disproportionately located near disadvantaged communities. The pollution levels are high and so are the socio-economic and health related costs. By aggregating and orchestrating fleets of DERs, VPPs balance supply and demand and create flexible capacity that reduces or eliminates the need for peaker plants.

Today, AutoGrid Flex manages over 7,000 MW of capacity in 17 countries to bring cleaner energy to communities globally and to combat disruptions to our global energy supply brought on by climate change. 🌿





## Beam Global - Beam Global EV ARC



### WHAT THE JUDGES SAID...

This is an incredibly useful product for a number of reasons. Access to utility infrastructure is often a hurdle to deploying EV charging and this product provides a solution to that."

Beam Global's EV ARC™ sustainable EV charging system is changing the national debate on how to build robust, secure, and 100% renewably powered infrastructure for an all-electric future. Each off-grid, solar-powered EV ARC system generates and stores its own electricity to charge up to 6 EVs at once so individuals, businesses and governments can drive completely emissions free. These systems are rapidly deployed turnkey charging solutions that require no construction, no electrical work and no utility connection. Immune to grid outages, the on-board battery storage enables drivers to charge during the night, inclement weather and climate-related disasters. The Emergency Power

Panel can also provide vital electricity to first responders during disasters and outages. With the U.S. on a mission to create a nationwide EV charging network in the shortest possible time, the EV ARC is an invaluable part of the solution. 🌱





## Benchmark Gensuite - AirLog



### WHAT THE JUDGES SAID...

Reducing leakages at tank storage facilities is an important goal. If it can't be measured, it can't be changed - so having a solution like this that helps the storage companies to track and ultimately fix leakages is a great idea."

Benchmark Gensuite's cloud-based AirLog solution manages, calculates, monitors, and reports emissions from various emission sources at a facility – including boilers, heaters, fugitives, tanks, and loading racks – that require complicated calculations to determine based on EPA guidelines. Robust, native mobile capabilities simplify data capture in the field for operators with immediate built-in exceptions alerting.

Organizations can leverage AirLog alongside their continuous emissions monitoring systems (CEMS) to automate the monitoring and exceedance alerting for Title V permit requirements. Built-in

reporting and analytics have proven to effectively assist with emission inventory reporting processes. Integrations with Benchmark Gensuite's Sustainability Reporting and Disclosure Director applications enable seamless Scope 1 & 2 emissions reporting for enterprise-wide rollup and external reporting to CDP, SASB, TCFD, and other global reporting frameworks.

AirLog significantly reduces manual efforts required from internal air experts or external consultants to manage and standardize air emissions programs & processes; and assist with emissions source/material changes. 🌱





## BlockEnergy



### WHAT THE JUDGES SAID...

The resiliency proven by this type of technology is unquestionably beneficial in areas that are prone to disruptions from natural disasters. Technologies like this could allow buildings to continue to operate in areas of extreme climate disasters.”

BlockEnergy is the world’s first utility-focused, always-on community energy system using advanced microgrid distributed controls to provide renewable power to residences. Scalable, storm-resilient, and able to interoperate with the local grid – providing demand management, or VAR when needed – BlockEnergy creates microgrids from rooftop solar, local battery energy storage and smart distributed controls (BlockBoxes) throughout new residential developments. As a microgrid, the BlockHomes in the communities are interconnected for ongoing sustainable energy communities.

BlockEnergy is engaged in new community buildouts across North America with residential builders, community developers and local utilities to provide the world’s most advanced, secure, reliable energy right where it’s being consumed. This decentralized, digital, and decarbonized energy system is much more valuable than traditional solar plus storage. Military-tested with

proven success, BlockEnergy is a game changer in the energy world, leading the way to clean, safe, reliable, and affordable energy at home. 🌱





# Budderfly - Energy Efficiency as a Service



## WHAT THE JUDGES SAID...

Outstanding service and business in the growing EEaaS market. Budderfly appears to be make traction with key food service companies to reduce energy usage without having to invest capital."

Budderfly is one of the fastest-growing Energy Efficiency as a Service (EEaaS) companies in the United States, focused on providing a holistic solution for businesses with repeatable footprints, such as restaurant chains, assisted living facilities, gyms, education centers, and retail franchises. Budderfly provides the upfront capital to purchase and install energy-efficient equipment and other patented technologies that reduce energy consumption; it then monitors and manages the equipment over a

10-year contract to deliver long-term energy savings and emissions reduction. Businesses benefit with lower energy bills, a reduced carbon footprint, more reliable operations, and an improved customer and employee experience. Budderfly provides customers with key sustainability metrics such as carbon footprint reduction to make it easier for brands and business owners to report on ESG measures and promote their sustainability stories. 🌱





## Call2Recycle - OneDrum: Your Solution for Recycling Mixed Batteries



### WHAT THE JUDGES SAID...

The environmental benefit could be not having to ship and drive recycled batteries to a recycler. It is great to see that CellBlockEX is 100% recycled content."

In partnership with CellBlock FCS and ERI, Call2Recycle launched OneDrum to optimize battery collection and recycling across the U.S. OneDrum, an all-in-one mixed battery recycling solution, simplifies battery management by allowing the safe placement and transport for large volumes of consumer single-use AND rechargeable batteries in one container without sorting, individually bagging, or taping batteries. By eliminating the need to bag or tape each battery, OneDrum allows participating collection sites to reduce battery preparation time and optimize their battery collection volumes.

The batteries shipped in OneDrum are protected from short circuits by CellBlockEX® terminal protection, an environmentally friendly innovative fire extinguishing agent. This reduces the risk of thermal events while still fulfilling

the US DOT's strict requirements for transporting mixed batteries.

Since introducing OneDrum, users have reported up to 70% time savings compared to their previous battery preparation process. 🍃





## Catalyze - REenergyze®



### WHAT THE JUDGES SAID...

This product has far reaching implications when it comes to environmental benefits. It is user-friendly and accessible for many groups to take part in a more efficient and optimized energy system."

REenergyze® is Catalyze's proprietary integrated origination-to-operations platform that allows a company to easily determine which properties across the U.S. have the greatest value-adding potential for solar, energy storage, and EV-charging infrastructure. The software utilizes a streamlined platform where financial, regulatory, and technical challenges are all addressed transparently, providing easy access to valuable data.

For commercial businesses and property owners, REenergyze® reduces the time, costs and complexity of deploying clean energy assets by streamlining the major processes of project origination, development, construction management, operations, and asset management. REenergyze® enables partners with large portfolios of properties to easily view

opportunities and deploy portfolios at scale, delivering the greatest value from clean energy assets. REenergyze® allows commercial partners and property owners to easily increase building value, secure long term leases, establish new sources of revenue and offer tenants amenities such as lower energy costs, improved ESG performance, and operational reliability. 🌱

**REenergyze®**  
POWERED BY CATALYZE

Software that  
Streamlines and  
Simplifies.

- Analyzes Property Portfolios
- Identifies Undervalued Assets
- Prioritizes Target Properties
- Maximizes Property + Project Value
- Enables Virtual Development
- Manages Operations & Payments

Accelerate. Simplify. REenergyze®.





## Cority's Water Management Solution



### WHAT THE JUDGES SAID...

Organizations can enhance operational efficiency, mitigate risks, ensure compliance with regulatory requirements, and contribute to sustainable water management practices by using this software."

Cority's Water Management solution is a comprehensive platform designed to help organizations optimize their water management goals, reduce operational expenses, and ensure regulatory compliance. This innovative solution enables firms to monitor their water intake, consumption and discharge data with outstanding precision, confidently demonstrate compliance to water management permits and related requirements and support cross-department data sharing and collaboration necessary to achieve sustainability goals concerning water conservation and responsible use.

With the addition of Cority's new Calculation Graph Visualizer (CGV) feature, the solution enables users to identify patterns, trends, and correlations between water usage and discharge data and other key performance indicators, boosting transparency and supporting more intelligent, real-time decision making for water management. Organizations can proactively address potential issues, identify risk and opportunities, and drive compliance to internal policies and external standards by visualizing complex data in a simple, reliance, and action-oriented manner. 🍃

**cority**<sup>®</sup>  
empower better





# CPower - EnerWise® Site Optimization



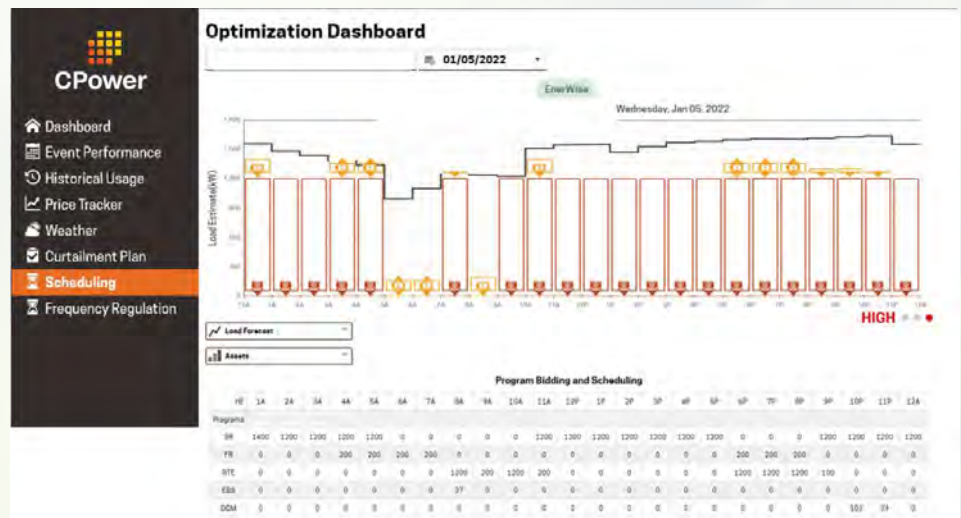
## WHAT THE JUDGES SAID...

This technology will be incredibly useful to facility managers and DER owners and operators in continuing to fully optimize DER investments."

CPower's EnerWise® Site Optimization ("EnerWise") helps behind-the-meter Distributed Energy Resources (DER) owners and operators stack multiple value streams, ensuring combined grid services revenue and on-bill savings while enhancing grid resiliency. Through its dynamic hourly scheduling customized for each site, EnerWise operates as a virtual energy manager, giving customers a playbook to ensure that their DERs are allocated to the most lucrative available energy market and utility programs available.

The company has seen strong interest in EnerWise from DER owners and operators across crypto mining, government, education, manufacturing, retail and other commercial sectors who want to gain access to new

value streams from their behind-the-meter DERs, such as energy storage and distributed generation. CPower has contracted to expand EnerWise to more than 40 new sites across the PJM region, and has made EnerWise available in ISO-NE, which covers Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island and Vermont. 🌿





## CyrusOne - CyrusOne DFW3



### *WHAT THE JUDGES SAID...*

The program has not only implemented low-carbon and energy savings solutions, but it also considers impacts to water, the local community/environment, and biodiversity."

CyrusOne's Full-Circle Colocation Services at the Dallas (DFW3) data center in Allen, Texas were born out of our customers' ambitious sustainability goals. Data centers use a lot of electricity, so for many of our customers, green power is a must to meet their carbon reduction goals. The DFW3 facility is powered by 100% renewable electricity procured from a regional solar + storage project.

Besides carbon reduction, our customers have other sustainability concerns as well. The services provided at the Allen facility address these concerns, helping both us and our customers to reduce our negative impacts on water, waste, and biodiversity. A partnership with Bonneville Environmental Foundation allows us to restore more water than we consume onsite to benefit the nearby San Saba River. A second partnership with AIT Recycling Solutions provides our customers with onsite e-waste recycling.

The most innovative aspect of the service is DFW3's NWF-certified landscaping,

which incorporates a variety of native plants to provide food, shelter, and nesting sites for local wildlife. A portion of the site acts as a detention pond in times of heavy rainfall to prevent flooding and assist with aquifer recharge.

Together, the features of CyrusOne's DFW3 advance our overall commitment to sustainability. 🌱





## Do Good Foods - Do Good Chicken



### WHAT THE JUDGES SAID...

I really like the pragmatic nature of the solution – not everything has to be a big data driven/tech application – real benefit at the storefront level.”

The saying goes “kill two birds with one stone,” but what if one bird could combat climate change and fight food waste? Do Good Foods™ is taking a stand against food waste by upcycling healthy surplus grocery food into nutritious animal feed (after community donations occur).

In 2021, Do Good Foods began operating a \$170M production facility capable of upcycling 160 tons of surplus food a day into animal feed. To date, Do Good Foods has diverted approximately 30 million pounds of healthy surplus food from going to landfills.

In 2022 the company launched its first consumer product, Do Good Chicken®, the first carbon-reduced chicken available to retail and foodservice customers. Every Do Good Chicken

purchased not only reduces food waste, but also saves 3lbs of CO<sub>2</sub>e greenhouse gases from entering the atmosphere.

Do Good Foods provides customers with a simple solution that can make an immediate environmental impact. 🌱





## Ecometrica - TCFD powered by Ecometrica



### *WHAT THE JUDGES SAID...*

The product is positioned as a means for users to efficiently measure their greenhouse gas emissions on a global scale while also assessing the environmental risks associated with their business.”

Ecometrica’s Platform combines a powerful GHG emissions engine with spatially-explicit climate scenario data for end-users’ operational locations to ensure the most accurate and effective Task Force for Climate Related Finance Disclosure (TCFD) disclosure possible. 🌱





## EcoVadis - EcoVadis Carbon Action Module



### WHAT THE JUDGES SAID...

This product solves a number of prominent issues for companies; scope 3 capabilities and engaging value chain in decarbonization and climate action."

The EcoVadis Carbon Action Module (CAM) is a comprehensive carbon management solution that empowers brands, purchasing organizations, and investors to drive reduction actions at scale by engaging with their value chain partners on a decarbonization journey.

More than half of emissions in global value chains come from small and medium-sized businesses, yet less than 15-20% are currently reporting on carbon and typically lack the maturity to measure and report their footprint. CAM fills this market need through a rich set of management indicators, tools and an engagement platform that helps suppliers baseline and build maturity, calculate and report emissions, report targets, and improve on carbon management practices.

From the carbon heatmap to the carbon calculator, sustainability metrics and EcoVadis Academy, CAM quantifies and structures this journey. It enables procurement organizations to integrate climate action into purchasing strategies and processes to drive and track their GHG reduction strategies, reducing risks and costs, boosting resilience and fostering sustainable innovation. 🌱





## Enchanted Rock Dual-Purpose Microgrids



### WHAT THE JUDGES SAID...

This product is highly useful because it takes existing structures and stakeholders and repurposes them in a way that benefits all."

Enchanted Rock is a leader in electrical resiliency-as-a-service, powering companies, critical infrastructure and communities to ensure operational continuity during unexpected power outages from extreme weather, infrastructure failures, cyberattacks and other grid disruptions. Enchanted Rock's dual-purpose microgrids use natural gas and renewable natural gas (RNG) offsets to produce significantly lower carbon emissions and local air pollutants than traditional diesel-fueled generators, delivering ultra high resiliency with reduced or net-zero carbon emissions.

The company's end-to-end microgrid software platform, Granite Ecosystem, provides real-time 24/7/365 system monitoring and optimization, including predictive maintenance and forecasting of grid conditions to ensure worry-free reliable

power to customers. Additionally, the microgrids can provide grid support when the grid is stressed. Each microgrid is customized to participate in local energy market programs to reduce the cost of customer resiliency. GraniteEcosystem keeps track of market conditions and optimizes participation to achieve maximum value for each microgrid. 🌱





## Eos Energy Enterprises - Eos Znyth™ Battery



### WHAT THE JUDGES SAID...

Product is a safe and sustainable solution for energy storage and has a life span of 20 years, with high specific energy and power along with minimal maintenance operation."

The Eos Znyth™ Battery uses zinc technology designed to overcome the limitations of conventional lithium-ion technology and traditional stationary storage solutions through long duration energy storage systems. Each battery cube is a self-contained unit, a closed-system design that is easy to maintain and has almost twice the operational life of the most conventional battery chemistries. From our patented battery chemistry to our commonsense manufacturing process, Eos operating benefits relative to lithium-ion deliver a significant reduction in levelized cost of storage.

The operating benefits relative to lithium-ion deliver a significant reduction in levelized cost of storage and are helping to shape the next "green" generation in our nation's rich manufacturing history through positively ingenious solutions designed and manufactured in the USA. Eos batteries are scalable, sustainable, efficient and safe to be used in densely populated

urban areas, and have a greater than 20+ year life expectancy. They are made for discharging over a 3-to-12-hour duration, making them perfect for pairing with wind and solar power generation.

Eos is proud to provide utility, renewable, commercial, and industrial customers with the market's only performance- and price-competitive energy storage alternative. 🌱







## Green Badger - LEED and ESG Automation Platform



### WHAT THE JUDGES SAID...

Green Badger's dashboard is designed to accommodate a wide range of projects and offers a platform for learning and sharing project documentation, such as EPD, HPD, VOC, and more, across multiple projects."

Green Badger's groundbreaking solution accelerates environmentally responsible construction worldwide by equipping build teams with affordable technology and knowledge to automate and easily report LEED compliance and ESG metrics. This unique platform is the Turbo Tax of LEED and ESG, eliminating clunky spreadsheets, instantly verifying thousands of green construction products, providing real-time collaboration, and exporting every updated, review-ready form required for external verification (or validation).

It significantly decreases the need for repetitive - and prone to human error - data entry, reduces the amount of reporting required, and improves communication for collaboration among dispersed teams and

managers. In fact, using Green Badger cuts the time needed to manage LEED and ESG reporting by 65% eliminating costly and inefficient barriers to choosing greener construction designs. No other company has comparable solutions designed for this industry. 🌱





# Greenstone InvestorPortal



## WHAT THE JUDGES SAID...

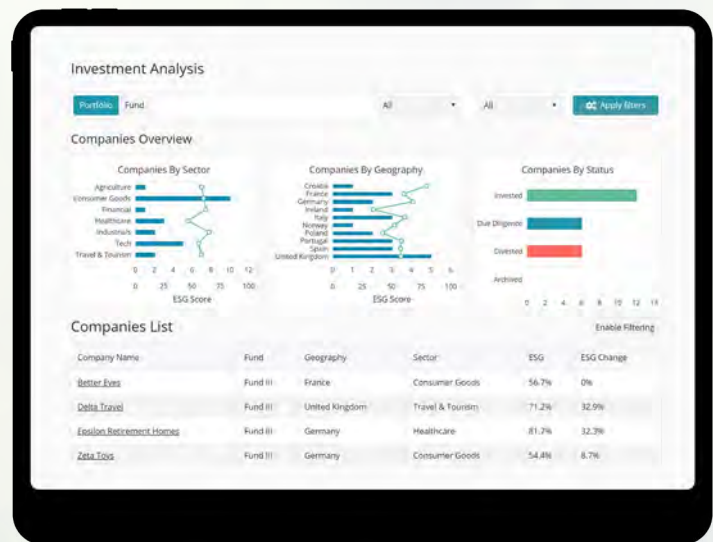
The in-depth reporting and the graphics provide a clear overview of investor portfolios and their performance against ESG criteria."

Greenstone InvestorPortal is a cloud-based software solution enabling private capital investors to collect, manage, analyse and report carbon emissions and ESG data across their investment portfolios and funds. InvestorPortal enables investors and their portfolio companies to calculate accurate carbon emissions to help them understand and report progress against their carbon reduction targets.

Greenstone InvestorPortal enables investment-level GHG emissions, based on primary activity data, to be brought into Scope 3 reporting. Investors use this data to monitor progress and report GHG emissions performance against Science-Based Targets (SBTs) and net-zero targets with confidence, in-line with commitments. Investors using InvestorPortal to measure ESG performance across their portfolios can also leverage industry best-practice aligned tagging and methodologies (including SFDR, GHG

Protocol, SDGs, TCFD) and customisable tags to meet stakeholder and LP requests.

Greenstone has made the GHG emissions calculation process accessible and efficient, particularly for portfolio companies with little experience in carbon measurement. By creating a simple step-by-step 'wizard' user interface, even portfolio companies with no previous experience are guided through each step of the process. 🌿





## GridPoint Intelligent Energy Network



### WHAT THE JUDGES SAID...

I think, based on the information provided, that it is already providing environmental management results, doing so in a way that drives savings back to the user should allow adoption/sales to accelerate."

GridPoint is a leader in energy optimization technology that decarbonizes commercial buildings and accelerates a more sustainable energy future. GridPoint's data-driven platform connects energy grids with the built environment and behind-the-meter distributed energy resources, enabling the ability to coordinate energy supply and demand to achieve energy and sustainability goals for businesses and the grid at the same time. GridPoint's platform is deployed in over 18,000 commercial buildings across multiple industries. Leveraging data analytics, patented algorithms, and intelligent automation to deliver unprecedented visibility into complex building operations, GridPoint reduces energy costs, lowers carbon emissions, provides actionable facility insights and strengthens resiliency – building

by building. Networked together, buildings with GridPoint Intelligence™ aggregate the reliable, precise and instantaneous capacity that energy grids increasingly require. The GridPoint Intelligent Energy Network™ of buildings is driving grid modernization and accelerating the transition to a sustainable energy future. 🌱





## Heila Technologies - Heila iQ™



### WHAT THE JUDGES SAID...

This product should allow end users to make more informed energy decisions for their facilities operations and may help minimize operational downtime."

Commercial and Industrial (C&I) companies have more access to their energy data than ever before. And yet, many C&I facility managers lack the capability to translate this complex technical information into actionable insights that help drive savings in operational expenses.

From direct demand, consumption, and power quality measurements to data-driven recommendations for decision-makers, Heila iQ equips facility managers of individual sites and multi-property portfolios with the tools and insights needed to make the most capital-efficient energy system investments for greater energy savings, resilience, and sustainability.

Heila iQ delivers monthly reporting covering critical energy metrics, all accompanied by actionable insights and cost-effective investment recommendations, such as equipment considerations, operational scheduling adjustments, and power quality control

to help facility managers overcome the hurdles to achieving their energy goals.

In addition, at regular intervals, managers also receive summarized reports containing over-time comparisons of their energy-saving initiatives, the effects of changing tariffs, or similar measures. These regular summary reports also include indicative estimates of operational savings based on the potential deployment of different combinations of distributed energy resources (DERs) that could be deployed to a particular facility. 🌱





## Honeywell's UOP Ecofining™



### *WHAT THE JUDGES SAID...*

Honeywell UOP Ecofining technology is an innovative and proven process for producing renewable diesel or Sustainable Aviation Fuel from various feedstocks."

Honeywell Ecofining™ was one of the first technologies to produce renewable diesel or Sustainable Aviation Fuel (SAF) on a commercial scale. Today, it's a critical tool to help the aviation sector and fuel producers meet sustainable aviation fuel (SAF) production needs.

Pioneered nearly a decade ago, the Honeywell Ecofining™ process converts fats, oils and grease (FOGs) to drop-in replacement fuel that requires no changes to aircraft technology or fuel infrastructure. Depending on the feedstock used, diesel from the Ecofining™ process can reduce greenhouse gas (GHG) emissions by 60 to 80 percent on a total lifecycle basis, compared to petroleum-based diesel<sup>1</sup>.

Honeywell SAF can be combined with conventional jet fuel to help power aircraft blends of up to 50% with petroleum-based fuel and has shown higher energy density in flight, which allows aircraft to fly farther on less fuel, meets or exceeds critical jet fuel specifications, such as: flash point, freeze point, stability and heat of combustion and is a drop-in replacement fuel that requires no changes to aircraft technology or fuel infrastructure. 🌿

# Honeywell

1. Greenhouse gas emission savings calculations based on California Air Resources Board methodologies.



## HST Technologies, Inc. (HST) - View® by HST



### WHAT THE JUDGES SAID...

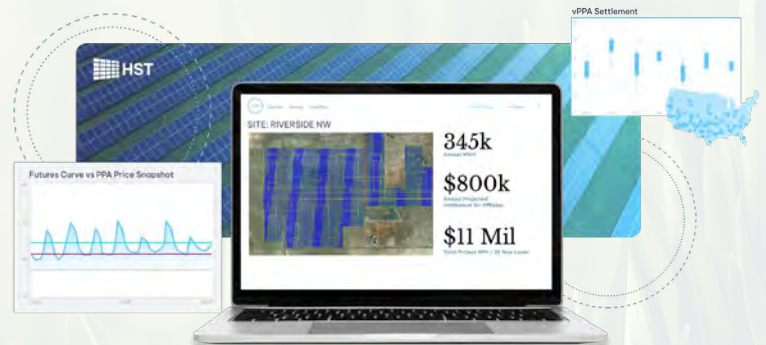
We need tools and resources to implement projects that will allow us to meet our collective sustainability and climate action goals. View@ is one of the tools that can help move the needle forward."

Scaling clean energy deployment is crucial for reducing emissions and mitigating climate change. Clean energy developers face many industry inefficiencies, including evaluating projects for advancement and finding off-takers for Power Purchase Agreements (PPAs), costing developers valuable time and resources.

To overcome these inefficiencies, HST created View®, an innovative digital clean energy marketplace. Used by clean energy developers, View® rapidly provides transparency of project economics for better contract execution with landowners and off-takers. View®'s robust and customizable financial model helps developers bid and close site control more competitively. Users can further mitigate risk with DNV's suite of software and services, which are embedded in View® for easy access and better project outcomes.

View®'s marketplace creates high-quality matches between developers and vetted counterparties. Developers' projects match with energy off-takers, reducing time to PPA, and developers' interests are matched with qualified sites of pre-screened landowners that will boost the volume of project pipelines.

To date, globally leading companies have integrated View® in their processes, and over 2,100 GW of projects in 100 countries have been analyzed. View® presents a win-win-win solution for energy developers, buyers, and communities around the world who will live, work, and thrive with safe, reliable, clean electricity supply. 🌱





## Hudson Technologies - EMERALD Refrigerants



### WHAT THE JUDGES SAID...

The ability to capture and repurpose gas is advantageous for environmental preservation, as any instance of reclaiming and reusing resources contributes to a positive impact on the environment."

EMERALD Refrigerants™ was launched by Hudson technologies in support of building owners and operators' sustainability goals. Many refrigerants used in the HVACR industry have a high Global Warming Potential, which impact's the environment when released to atmosphere. EMERALD Refrigerants™ are certified reclaimed refrigerants, recovered and "made" in the US by Hudson. EMERALD Refrigerants are created by taking used recovered refrigerant, reclaiming it to remove contaminates, and recertifying it to meet or exceed AHRI 700 specification. EMERALD Refrigerants™ help reduce the unintended release of greenhouse gases to the atmosphere and also combat the environmental impact associated with producing new virgin refrigerant. EMERALD Refrigerants™ have near zero GWP, thereby reducing the carbon footprint of operating HVACR systems and providing measurable actions towards sustainability goals. EMERALD Refrigerants™ allow continued

use of installed equipment at optimal design-conditions to reduce energy consumption and avoid costly system replacement. EMERALD Refrigerants™ and the reclamation process are crucial to the HVACR industry due to both federal and state regulations creating virgin HFC phasedowns. 🌱

**EMERALD**  
REFRIGERANTS™  
**RECLAIMED IN THE USA**





## Infinitum Aircore EC



### WHAT THE JUDGES SAID...

The reduced material inputs into manufacturing these motors combined with the reusability of parts add to the energy saving environmental benefits."

Electric motors consume 53% of the world's electricity, yet motors haven't changed in 100 years. Traditional motors are heavy, waste energy and deplete finite natural resources. The Infinitum Aircore EC motor replaces the heavy copper-wound iron core found in traditional motors with a lightweight printed circuit board (PCB) stator that is 10x more reliable. The motor is 50 percent smaller and lighter, uses 66 percent less copper and no iron, and consumes 10 percent

less energy. Aircore EC also includes a unique, integrated Variable Frequency Drive (VFD) which takes advantage of silicon carbide (SiC) technology to provide precise control over motor operations and saves upwards of 65 percent of energy use depending on the application. Its modular design makes the motor easy to maintain and allows components to be reused multiple times to serve future generations, keeping the motor in service and out of landfills. 🌱







## Installnet - Ecoserv



### WHAT THE JUDGES SAID...

The Ecoserv project is doing a great job upscaling its streamlined circular decommission program of surplus assets and landfill waste diversion."

Installnet, a leading commercial furniture solutions company, has developed a circular decommission program for surplus assets. Ecoserv provides the processes, standards and metrics needed to recirculate workspace assets like furniture, fixtures and equipment in a way that delivers value to customers and the community, without harming the environment.

Over the last year, as dramatic changes in workspaces and work styles became more permanent and interest in ESG metrics grew, Ecoserv has grown rapidly - more than doubling the number of projects completed compared to previous years

and diverting more than 6.8 million pounds of waste from landfills. Ecoserv is rapidly scaling, partnering with Fortune 1000 companies, furniture manufacturers and others across the U.S. and Canada. Since the program began in 2012, Ecoserv has diverted more than 42 million pounds of waste from landfills, including free furniture and other items donated to more than 2,500 non-profits, community groups and education institutions. 🌱





## Lattice Semiconductor - Lattice Avant FPGA Platform



### *WHAT THE JUDGES SAID...*

The success of this project lies in its cross-cutting nature through many markets. Its small size and wide potential uses allows for a broad and profound impact."

As the low power programmable leader, Lattice Semiconductor creates flexible, low power, and small form factor semiconductors called field programmable gate arrays (FPGAs). The newly introduced Lattice Avant™ FPGA platform is designed to extend Lattice's signature low power FPGA leadership to an expanded set of customer applications across the Communications, Computing, Industrial, and Automotive markets. The Lattice Avant platform was born out of customer demand, with system architects looking to push their designs to new levels but saying that the industry lacked mid-range FPGA solutions that combined the right features with the right power and size envelopes to achieve their design goals. Lattice Avant was built from the ground up to address this need with class-

leading features, power efficiency, and small size. Lattice Avant is designed to deliver the right combination of power, performance, size and feature set. It is up to 2.5X lower power than devices with similar capabilities. It is estimated that over a 10-year period, the potential energy savings of using Lattice Avant FPGAs over other competitive devices of the same class is equivalent to the amount of energy used to power 25,000 households, based on a 30-kilowatt hours/day model. 🌱





## Mycocycle, Inc. - MycoFILL<sup>®</sup> bio-based raw material from waste.



### *WHAT THE JUDGES SAID...*

Mycocycle's process of taking waste streams and tuning them into building products, while also capturing harmful waste toxins, would have great potential to reduce landfill and reduce the need for new construction materials, providing significant benefits."

Mycocycle uses a patent pending process that harnesses the power of mushrooms to clean harmful toxins from waste streams and create MycoFILL<sup>®</sup>, a renewable byproduct that can be manufactured into new products such as ceilings, floors, insulation, and concrete creating circular economy models and improving human and environmental health. 🍄





## Natron Energy - Sodium-ion battery technology



### WHAT THE JUDGES SAID...

This could really shift the supply chain process to more environmentally friendly materials and components."

Natron's sodium-ion batteries are designed for mission-critical and industrial applications such as data centers, peak power-shaving, EV fast charging, and other industrial power environments. They are the safest industrial battery technology available and can be configured to provide up to 500kW of backup power in their standard system configuration and other sized systems in custom configurations, from 48 volts to 800 volts and beyond. Natron's batteries can produce far greater sustainable power per energy (40W/Wh) compared to lithium-ion (10W) and lead acid (7W), and its cycle life is five times greater than lithium-ion and 50 times greater

than lead acid. Natron's Sodium-ion technology also recharges in five to 15 minutes, compared to an hour or more for lithium-ion and eight to 16 hours for lead acid.

A key element that makes Natron batteries unique is that they are safe and completely inflammable - even when penetrated by a nail or exposed to a direct flame. Natron batteries are the only UL-listed sodium-ion battery on the market and can be shipped fully charged by ground or air - unlike lithium-ion batteries. 🌱





# Prescriptive Data - Nantum OS



### WHAT THE JUDGES SAID...

Nantum OS is a specialized AI technology that is an industry leader in building automation with a sustainability focus."

Nantum OS by Prescriptive Data is an award-winning platform optimizing building's operational performance while saving energy, reducing carbon emissions, and lowering costs without sacrificing occupant health or comfort. Nantum OS provides real estate owners and operators with a sustainability-focused building operation system that ties together existing mechanical technology with cutting-edge AI, optimizing daily processes and leading to lower emissions without sacrificing occupant comfort. Nantum's AI-based solutions rewire buildings to act on real-time data to empower optimal energy decisions, achieving a 92% reduction of Scope 1 and 2 emissions by 2040 in our

model. Developed by and for building owners and operators, Nantum's novel AI control system has proven 30% reduction in carbon emissions and 20% reduction in peak carbon levels by 2026. Combining historical data with predictive analysis and real time occupancy, Nantum OS enables buildings to hit their ESG goals via actionable insights. 🌱



# NANTUM OS

by prescriptive data



## Schneider Electric - Schneider Home



### WHAT THE JUDGES SAID...

This suite of products and management control gadget is futuristic, and I believe it will change the way many folks live. A++ on this offering.

Schneider Home is a first-of-its-kind home energy management system that enables consumers to take control of their energy usage. Launched in January 2023, it empowers homeowners by bringing together a smart electrical panel, home battery, high-powered solar inverter, EV charger, and connected sockets/switches – all simply controlled by a single intuitive app.

Intelligently orchestrating home energy, Schneider Home gives consumers the ability to monitor energy consumption, change power sources to reduce costs, decide where to prioritize power during an outage, and avoid expensive service upgrades when purchasing an EV. Compared to existing solutions (which require separate apps and hardware), Schneider Electric reduces complexity by integrating these devices to simplify and automate energy control.

As homes become more electrified, adoption of this technology will help overcome the challenges that increased

electrification can bring, including the need to increase service from 200amp to 400amp to accommodate added electric appliances. Schneider Home enables control over the home's power distribution, managing electrical loads to avoid an expensive 400amp upgrade.

Schneider Home is pushing ingenuity and innovation in the smart home market – connecting the convenience of digital technology with the ability to create real sustainable impact. 🌱





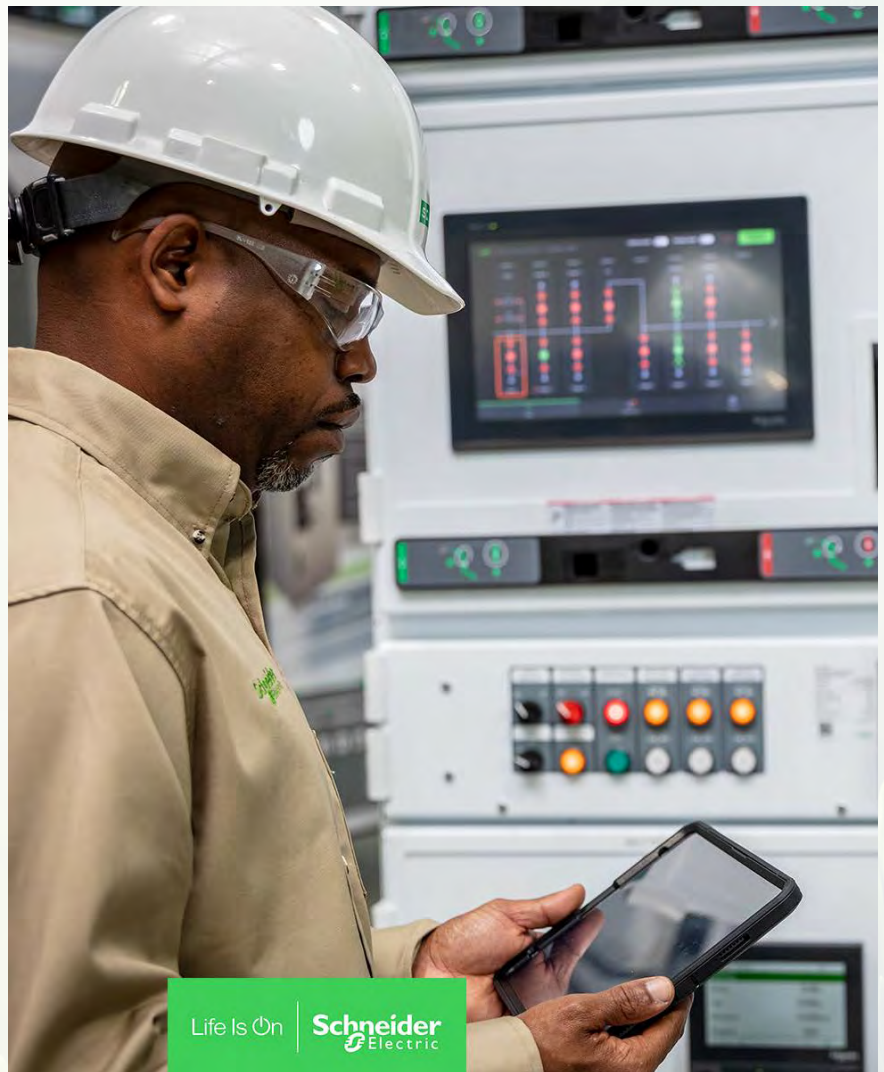
## Schneider Electric - SureSeT



### WHAT THE JUDGES SAID...

The product states its environmental benefits are third party verified, giving the purchaser an immediate ability to account for those benefits."

SureSeT is Schneider Electric's connected medium voltage switchgear of the future, powered by its digital vacuum circuit breaker, EvoPacT. It's Smarter - with digital control and monitoring outside the arc flash zone, Smaller - reduced in size by 25%, and Stronger - tested to 3x operational standard and up to 5x longer maintenance cycle. 🌱





## Sphera - SpheraCloud Environmental Accounting



### WHAT THE JUDGES SAID...

This tool effectively addresses the growing need for organizations to monitor and disclose their environmental and sustainability performance, enabling them to fulfill reporting requirements with ease and accuracy."

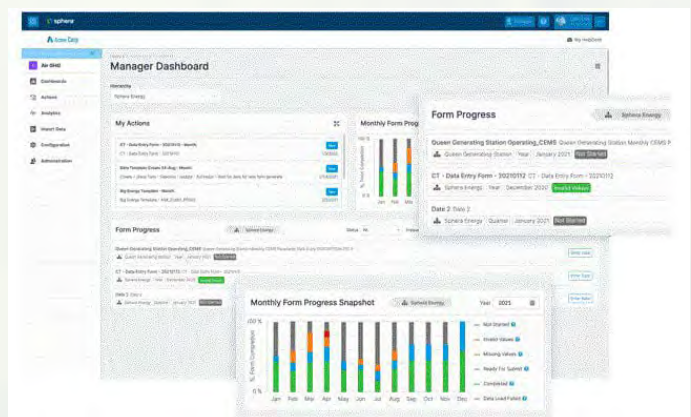
Highly regulated industries can no longer focus only on complying with regulations—they must pivot to maximize asset performance and reduce their environmental impact. SpheraCloud Environmental Accounting offers a broad set of data collection, management and calculation functionalities to establish an auditable record for air/GHG emissions (Scope 1 and 2), water and waste management to deliver insights that help benchmark and optimize asset performance.

Environmental Accounting is becoming increasingly complex, requiring a diverse range of approaches to measure enterprise-wide emissions. Sphera's solution provides:

- A proven, powerful calculation engine to handle a full spectrum of methodologies.
- Support for all pollutants (for example, criteria, hazardous and GHG).

- Near real-time calculations that save customers time in troubleshooting.
- Unparalleled transparency that ensures compliance in preparation for audits.
- Standardization of calculations across asset types, which promotes repeatability and minimizes efforts to validate the data.
- Built-in visualizations with trend analysis to make informed decisions that improve asset performance.

Learn more at <https://insights.sphera.com/environmental-accounting>







# Sphera - SpheraCloud Operational ESG



## WHAT THE JUDGES SAID...

“The Sphera ESG software is an industry leader in the field and is extremely flexible across environmental, social, and governance.”

Sphera’s comprehensive Operational ESG solution enables companies to integrate their ESG goals and plans with their operations. Going beyond traditional ESG reporting, Sphera’s solution provides insight at the enterprise, operations and product levels to improve ESG performance across all three pillars.

Available through Sphera’s SaaS platform, SpheraCloud Operational ESG consists of a variety of modules including:

**Corporate Sustainability** – Identify gaps between targets and actual performance, assign actions, continuously monitor performance, optimize future strategies and track progress to improve ESG outcomes.

**Product Sustainability** – Access the most comprehensive emission factor libraries, including Sphera’s Life Cycle Assessment (LCA) database containing over 15,000 data sets.

## Supply Chain Risk Management

– Proactively identify, assess and manage supply chain risks in real-time and at scale by leveraging AI. ESG-related risks include labor practices, human rights abuses, environmental, regulatory and legal issues.

Learn more at <https://insights.sphera.com/operational-esg>





## Stem's Athena®



### WHAT THE JUDGES SAID...

Stem's Athena is critical to bringing energy storage, solar, EV charging stations and grid systems to their full potential to optimize savings and revenue. It is a game changer, in essence, Stem's Athena is the brain for these technologies."

Athena® is Stem's AI-driven enterprise platform that unlocks flexibility across the clean energy value chain, empowering businesses to confidently deploy and monetize clean energy technologies at scale, maximize environmental returns, and simplify clean energy management. It is either operating on or contracted to operate on 950+ storage projects, and 30+ of the Fortune 500 companies use Athena.

Until now, renewable assets have been limited to when the sun shines and the winds blow. Athena uses the power of advanced AI to analyze real-time data from solar, storage and EV infrastructure, as well as data on weather, market prices, operations, utility rates, and other critical factors, to predict, optimize, and control the flow of energy to where it's needed. Athena does this for 2+ GW of storage assets and 25+ GW of solar assets under management. With 1B+ runtime hours of leveraged data across 200,000+ solar sites worldwide, Athena helps lower

costs, reduce emissions, and provide operational efficiency across clean energy assets and portfolios.

The energy and technology industry recognizes Athena as a leading innovative software solution driving the clean energy transition. Frost and Sullivan ranked Athena as a top solution with a track record of delivering tangible, high-value ROI.

Athena has also been named as the 2023 "Best Predictive Analytics Platform" by AI Breakthrough. 🍀





## The AZEK Company - TimberTech Advanced PVC Decking



### WHAT THE JUDGES SAID...

This product stands out for its exceptional quality while boasting a lower carbon footprint. Additionally, it plays a crucial role in repurposing materials that would otherwise contribute to landfill waste, thereby promoting a sustainable and environmentally responsible approach."

TimberTech Advanced PVC Decking is the game-changing wood alternative decking solution for outdoor living spaces. Our revolutionary products offer elevated design options and the largest, most realistic range of natural looking colors and textures. Unlike traditional wood alternative decking (that can look fake or like plastic), TimberTech offers the beauty and feel of real wood species, including premium hardwoods, without the upkeep of sanding and staining. Our innovative, highly engineered decking is made for performance: it is fade- and stain-resistant and will not splinter, rot, or peel—and will look as beautiful as the day it was installed for decades to come with little to no maintenance. Plus, it's more sustainable than traditional wood decking over its life cycle.

TimberTech Advanced PVC Decking is sustainably manufactured from ~60% recycled content – by far the highest percentage of recycled content in the PVC decking market today - including post-industrial and post-consumer waste including used vinyl siding from homes, old PVC pipe and window trim as well as post-consumer vinyl flooring. It's also fully recyclable. Visit [timbertech.com](https://timbertech.com). 🌱





## Thermo King® - e1000



### WHAT THE JUDGES SAID...

I appreciate that Thermo King is a leading innovator in this space as zero-emissions refrigerated trucks will be critical to the decarbonization of food and beverage (and other) industries."

Thermo King® is a leading innovator in zero emissions transport refrigeration units (TRU). The e1000 is the first large-capacity electric TRU with no diesel engine offered for Class 5 - 7 trucks. As an all-electric single-temperature unit, the e1000 is part of our evolve™ portfolio and its design provides flexible electric power takeoff (ePTO) integration for connection with electric chassis. The e1000 also meets CARB regulations for zero emissions and comes standard with R-452A, a lower global warming potential (GWP) refrigerant.

Thermo King believes in decarbonization of the cold chain. We have committed to invest more than \$100 million to deliver fully electric

products into every segment of the cold chain in the Americas by 2025. We work closely with OEMs, dealers and drivers to ensure the transition to transport electrification goes smoothly for everyone involved. As sustainability mandates expand, Thermo King will be a guide and ally for our customers. 🌱





## Turntide Technologies - Turntide Intelligent Barn



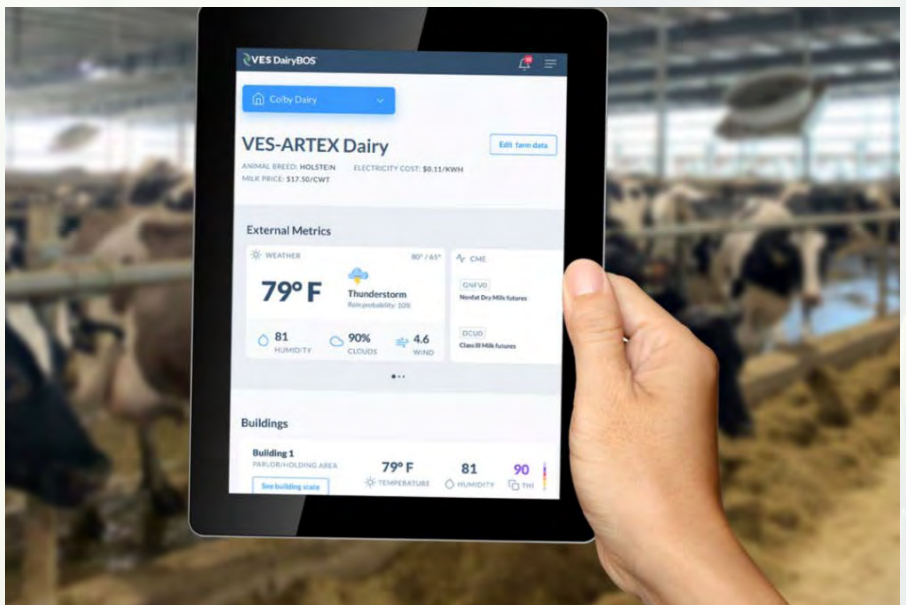
### WHAT THE JUDGES SAID...

An excellent approach to reducing methane emissions (by improving cow management) and carbon dioxide levels (through enhanced energy and resource efficiency)."

Food scarcity and security are pressing concerns, with the global population set to hit nine billion by 2050. Dairy farming provides a vital source of protein, but climate change and extreme weather pose risks to production and safety. Today, dairy farmers must navigate complex priorities, from cost-cutting to sustainability objectives, complying with regulations, and ensuring the well-being of animals and employees.

Turntide Intelligent Barn powered by VES-Artex manages dairy barn operations, optimizing animal health and well-being while reducing energy consumption and carbon emissions. It integrates ventilation, cooling, lighting, and cattle handling solutions for optimal efficiency and generates alerts and reports to guarantee exceptional levels of animal well-being

and environmental compliance. Turntide Intelligent Barn combines decades of experience working with veterinarians and dairy farmers with world-class building management software and Smart Motor technology to offer a 21st Century barn management solution that makes farms more productive, safer, and easier to manage. 🌿





# UL 360 Sustainability software for ESG and supply chain reporting



## WHAT THE JUDGES SAID...

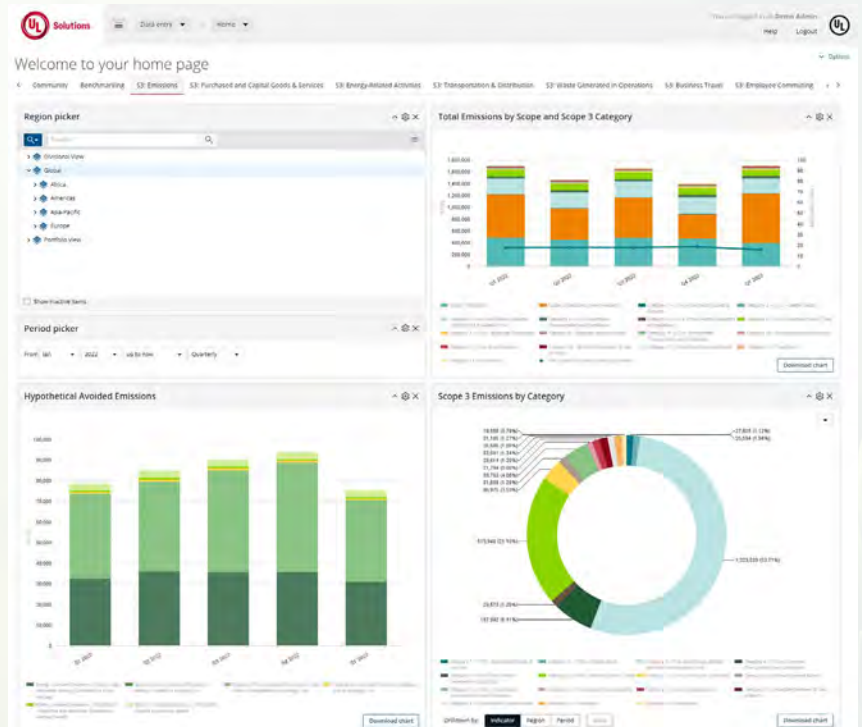
This innovative software covers 3500 indicators, collects underlying data, imports capabilities, and even automation capabilities are available."

UL 360 Sustainability Software for ESG, Sustainability and Supply Chain Reporting provides companies with a straightforward process for identifying, measuring and managing the data needed for various reporting frameworks and regulatory requirements.

Our new scope 3 software helps companies take their ESG commitments to the next level. With prebuilt templates, tailored value chain solutions and over 3,500 indicators, organizations can start to understand the full impact of their operations.

Companies also benefit from our new dedicated frameworks module, which includes an API for transferring questionnaires between UL 360 and the CDP online response system.

Consistently rated a leader amongst our peers, UL 360 is a trusted and stable partner, one that can meet your needs now and throughout the entire ESG journey. See how our software helps companies advance ESG initiatives. Visit [ul.com/360](http://ul.com/360) to start your ESG journey today. 🌱





## United Airlines - Sustainable Flight Fund



### WHAT THE JUDGES SAID...

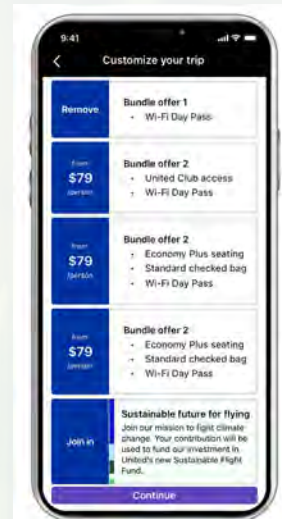
United’s pledge to spend \$100M toward startup technologies should help scale sustainable airline fuel, which is needed to decarbonize the aviation industry.”

In 2023, United Airlines Ventures (UAV) launched the UAV Sustainable Flight Fund, a first-of-its-kind investment vehicle supporting start-ups focused on decarbonizing aviation and, specifically, scaling sustainable aviation fuel (SAF)—an alternative to conventional jet fuel that, on a lifecycle basis, reduces greenhouse gas emissions associated with air travel, when compared to conventional jet fuel alone.

The Fund launched with over \$100 million in funding dedicated to SAF from both UAV and its inaugural corporate anchor partners – Air Canada, Boeing, JPMorgan Chase, GE Aerospace, and Honeywell – with additional partner rounds expected through 2023. Through the Fund partners will invest alongside United in SAF technology and production start-ups with the goal of scaling future SAF supply and building upon UAV’s existing investment portfolio and future purchase agreements for up to three billion gallons of SAF, furthering sustainable aviation and helping United

achieve its net zero goal. Partners also have the potential to gain preferential access to environmental attributes associated with United’s supply of SAF.

United also took steps to educate customers when booking by providing United’s estimate of their flight’s carbon footprint on a per economy seat passenger basis, in addition to providing the opportunity to directly contribute \$1-7 to supplement United’s investment in the Fund. 🌱





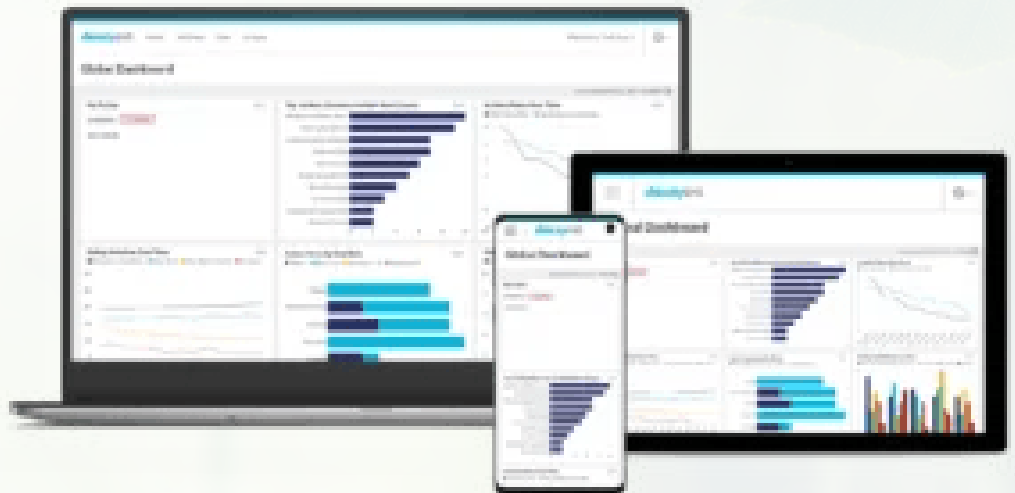
## VelocityEHS ESG Software



### WHAT THE JUDGES SAID...

The strength of its robustness, compliance reporting, and flexibility all contribute to making this tool incredibly useful."

The ESG Solution from VelocityEHS is designed to support organizations in their ESG journeys. With built-in capabilities like materiality assessments, GHG management, and Utility Data Sync, the ESG Solution streamlines data collection and reporting so organizations can effectively plan, build, and optimize their ESG programs to develop more successful and sustainable business strategies. The data hub centralizes critical metrics making it easier to measure and monitor performance and reduction targets and ensure compliance and adherence to respective ESG standards and frameworks. Advanced calculation technologies enable users to hit reduction targets with greater ease and



confidence. The unique Utility Data Sync capability allows VelocityEHS to automatically port in utility data across all user utility accounts, eliminating the need for manual data entry and streamlining disclosure reporting. Other disclosure reporting capabilities include pre-built automatic data exports that align with major global reporting standards, including Sustainability Accounting Standards Board (SASB), and Global Reporting Initiative (GRI). 🌱





## Wärtsilä - GridSolv Quantum



### WHAT THE JUDGES SAID...

Energy storage systems like this play a crucial role in our transition towards efficient energy management. This innovative and highly valuable product stands out due to its stringent safety standards and ease of access."

Wärtsilä marked an energy storage fire safety milestone as its GridSolv Quantum energy storage system (ESS) has met UL 9540A requirements. The rigorous testing involved intentionally heating a cell to induce thermal runaway within a Wärtsilä ESS module. GridSolv Quantum is one of the first energy storage systems to qualify under NFPA 855, the highest standard for energy storage safety. In addition, GridSolv Quantum is compliant with the NFPA 69 Standard, which sets the safety requirements for explosion prevention systems. Wärtsilä has one of the most advanced fire alarm systems on the market.

Wärtsilä works closely with fire safety experts, regulators, local authorities and emergency services to ensure the safe design and deployment of battery technologies, mitigate fire risks and plan for emergency response in the worst-case-scenario. By design, GridSolv Quantum solves many fundamental safety challenges such as thermal management, fire detection, short circuit handling

and interconnection communication. During testing, additional environmental assessments were undertaken, including impact on water quality, air toxins, etc. The results also support the development of evolving industry environmental protection standards.

GridSolv Quantum is a fully integrated and modular energy storage system. Compact and minimalist in design, it is designed for ease of deployment—highest quality control and safety—and sustainable energy optimization—lowest lifecycle costs—across project locations and market applications. Optimized for flexibility and functionality with several sub-systems, the product is compliant with North American and international standards. 🌱





## Wolters Kluwer Enablon Vision Platform – ESG



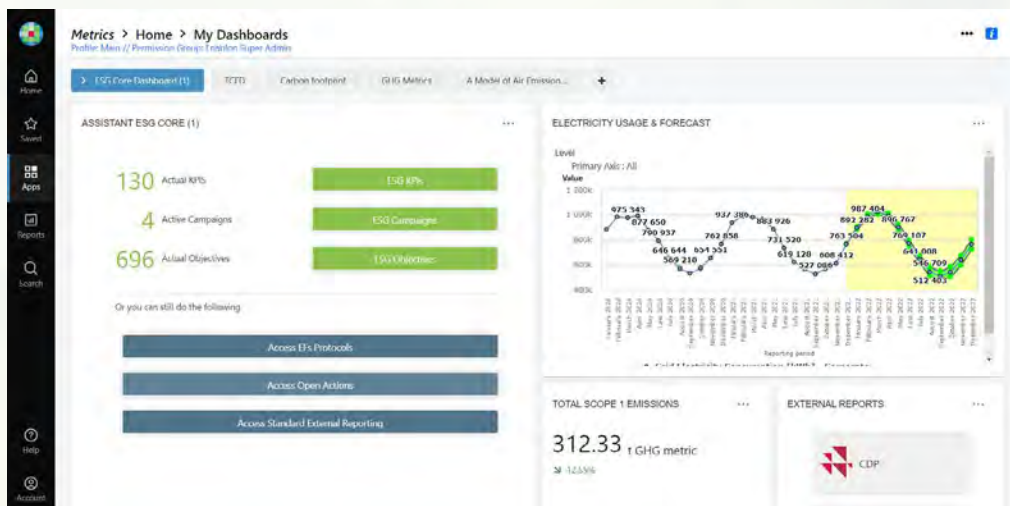
### WHAT THE JUDGES SAID...

With efficient and auditable data collection being more critical today than ever, having solid data that can help a company to accurately account for its carbon footprint and manage its reduction targets is key.”

Wolters Kluwer Enablon’s ESG Excellence solution helps organizations manage all environmental aspects (air, water, waste, energy, and chemicals) and the related health and safety of workers and assets. Enablon’s ESG Excellence solution complements our best-in-class Environment, Health & Safety (EHS), Operational Risk Management (ORM), and Governance, Risk & Compliance (GRC) solutions. This solution bridges gaps between departments to build a shared understanding of

Environmental, Social and Governance (ESG) performance across an organization, to quantify the impact of ESG on the bottom line, and to meet targets sooner.

Globally, hundreds of companies and millions of users utilize Enablon software solutions to refine and act on their ESG strategy – including managing environmental performance, increasing worker safety, streamlining reporting, and achieving regulatory compliance. 🌱





# Woodard & Curran - Climate Risk Assessment

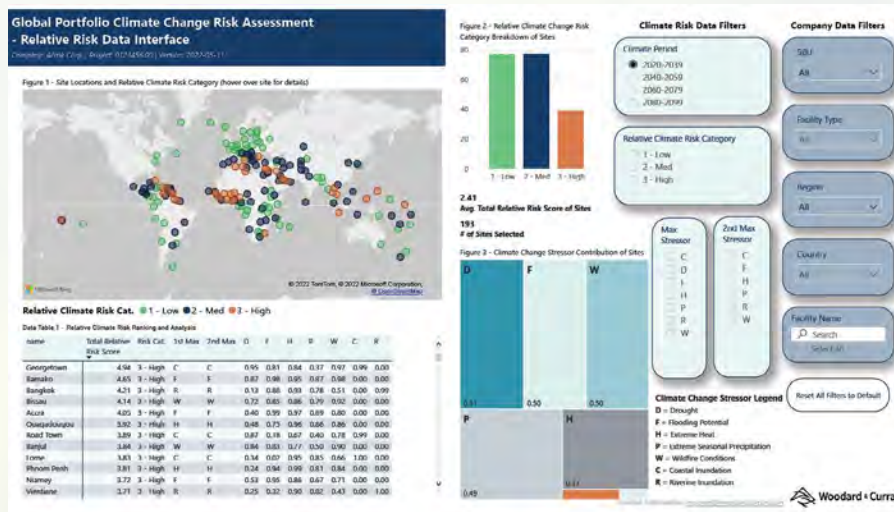


## WHAT THE JUDGES SAID...

With its high end decision making results, this product appears very well suited to meet the scalable needs of large organizations trying to understand their climate change risks while prioritizing their budgeting needs."

Woodard & Curran's new and growing Climate Risk Assessment product supports public and private clients in assessing and mitigating risk related to climate change. Our approach combines Global Climate Model extraction and downscaling, climate stressor risk quantification algorithms, big data management, geospatial visualization and mapping, resilience strategy, and engineering capabilities to deliver critical insights to climate-related liabilities and actionable recommendations.

Climate Risk Assessment offers our clients a suite of services to compile relevant climate data, evaluate the climate stressor risks associated with their operations and geography, and plan and prioritize capital projects to mitigate those risks. This product allows for enhanced compliance with the Financial Standards Board's Task Force for Climate Financial Disclosures Guidelines and informed resilience planning. 🌱





TOP PROJECT

Environment  
+ Energy  
**LEADER**

AWARDS  
2023



## United Airlines - Eco-Skies Alliance



### WHAT THE JUDGES SAID...

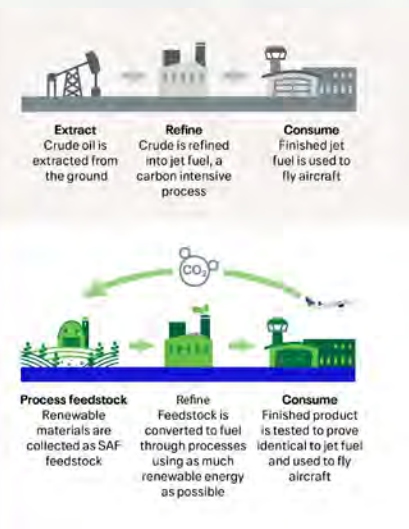
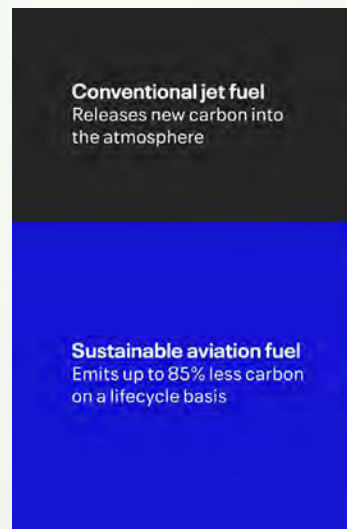
“Their test flight shows it can be done and their innovative pricing model reflects how to do it economically.”

In 2021, United introduced Eco-Skies Alliance (ESA), a collaborative program with its corporate customers focused on accelerating the use of sustainable aviation fuel (SAF). The program drives increased SAF supply and usage by allowing enrolled customers to fund the ‘green premium,’ thus creating a strong demand signal, while providing Scope 3 emissions reductions for travel on United. The program launched with over a dozen leading global corporations and has expanded to approximately 40 corporate participants.

SAF, which alone can have up to 85+% fewer emissions on a life-cycle basis compared to conventional jet fuel, is the primary mechanism to decarbonize aviation in pursuit of the 2050 100% greenhouse gas emissions reduction target United committed to in 2021. To date, ESA participants have collectively committed to fund approximately 9 million gallons of SAF, enough

to eliminate approximately 66,000 metric tons of GHG emissions, or enough to fly passengers more than 460 million miles on SAF alone.

In December 2021, United made aviation history by operating the first passenger flight using 100% SAF, in one engine, from Chicago to Washington, D.C. The flight showcased the safety of SAF and its potential to dramatically reduce aviation’s carbon footprint. 🍃





## Ameresco's Holy Cross Energy/ Colorado Mountain College Solar- plus-storage Project



### WHAT THE JUDGES SAID...

Pairing with storage really brings an added value to help the utility manage the grid and obtain additional revenue stream."

In April 2021, Ameresco (NYSE:AMRC), a leading cleantech integrator that specializes in renewable energy and energy efficiency, entered into a power purchase agreement (PPA) with Holy Cross Energy (HCE), to construct and install a 5MW solar PV and a 15 MWh battery energy storage system on land owned by Colorado Mountain College (CMC) and leased by Ameresco.

As the largest installation of its kind in Colorado, which was completed in September 2022, the combined solar and battery work furthers HCE's goal of increasing the clean energy sources it provides to its members to 100% by 2030. The project also offsets 100% of the electricity use of three CMC campuses in Aspen, Spring Valley and Vai Valley.

Through a combination of innovative financial models and climate-driven technology,

all parties were able to eliminate concerns around potential financial barriers and were able to focus on providing each party the exact mix of solutions that were most effective to reach each parties' environmental goals. Additionally, the battery energy storage that was designed and built on the 22-acre complex can be discharged during periods of peak demand for HCE, which provides significant energy cost savings to HCE's members. 🍃





## Bioenergy Devco Maryland Bioenergy Center



### WHAT THE JUDGES SAID...

The success of this project lies in the deployment of a known technology in a new and manageable way that has far-reaching implications. By working with specific stakeholders, like the MD food center, this project repurposes specific waste into fuel and soil."

Our newest organics recycling facility, located on the Maryland Food Center campus in Jessup, MD, is the first anaerobic digester of its scale in the state. The facility is capable of recycling 110,000 tons of organics annually to produce approximately 312,000 MMBtu of renewable natural gas for energy and 16,575 tons of rich, fertile soil

amendment for agricultural and other land use. The resulting greenhouse gasses prevented from being released into the atmosphere has the equivalent environmental impact of 69,061 acres of US Forests in one year, or 82 times the size of Central Park. 🌱





## Camston Wrather's Resource Recovery Plant



### WHAT THE JUDGES SAID...

The Camston Wrather Resource Recovery three step e-waste recycle process has proven to be a first of kind through this innovative process in its Zero Waste facility while making the least negative environmental impact currently possible."

At Camston Wrather, we innovate with purpose. While metals and minerals recovery drawn from e-waste commodity scrap is not new, innovating with carbon friendly techniques is. We use advanced science and engineering in the recovery of sustainable resources, including precious metals and polymers from printed circuit boards located in electronic waste. Using advanced particle separation techniques, our recycling process is the most carbon friendly to protect the longevity of our planet, driving needed transformation as global industry moves closer to 2050 baseline goals.

We provide our suppliers with a unique set of options and services, allowing them to reach their Zero Waste and Net Zero goals by drawing on e-waste from their own supply

chain and workplace asset purchases. And through a network of strategic partnerships and wholly owned subsidiaries, we can help organizations REDUCE their carbon footprint, REUSE whole units whenever possible, and RECYCLE precious raw materials through our environmentally friendly extraction and separation techniques, all while providing trusted service for handling sensitive data-bearing devices through their end of life. 🌱







## Carrier Commercial Refrigeration and METRO F-Gas Exit Program



### WHAT THE JUDGES SAID...

Developing safe, effective, low GWP refrigerant technologies is critical for global decarbonization. Partnerships such as this between an OEM and an end user to develop such decarbonized technologies will help make it happen.”

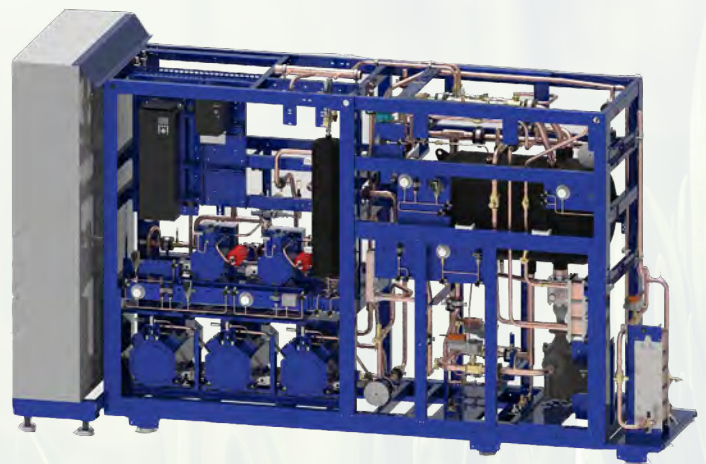
Carrier Commercial Refrigeration has a multi-year agreement with METRO AG, a major European wholesaler, to deploy new natural refrigerant equipment to its stores across Europe to help the company achieve carbon-neutral operations.

The project is part of METRO’s F-gas Exit Program, which aims to convert more than 760 Cash & Carry stores to natural refrigerant systems and reduce its carbon dioxide (CO<sub>2</sub>) footprint by 60% by 2030. Under the agreement, Carrier is installing high-efficiency remote cabinets and cold-room equipment using CO<sub>2</sub>.

CO<sub>2</sub> has a Global Warming Potential (GWP) of just one, an Ozone Depletion Potential (ODP) of zero and is not subject to the EU F-Gas Regulation. The new systems help METRO reduce refrigerant loss, lower electricity demands and ensure substantial carbon footprint savings across the business.

METRO stores use Carrier’s CO<sub>2</sub>OLtec® Evo system, which helps customers achieve average energy savings of up to 30% compared to traditional hydrofluorocarbon (HFC) units in mild to cold climates.

Since February 2020, more than 40 projects have been completed, with the installation process for more than 70 new systems across Europe taking place over the next two years. 🌱





## DSD Renewables - 5.67 MW solar canopy portfolio for San Bernardino City Unified School District



### WHAT THE JUDGES SAID...

This project is expected to generate 9546 MWh of clean energy annually for 16 schools which is significant progress to the school district achieving their goal of 100% clean energy by 2024."

The San Bernardino City Unified School District (SBCUSD), the seventh-largest in California, pledged to transition to 100% renewable energy at all district facilities by 2024. In 2020, it placed its trust in DSD to implement a 5.67 MW canopy portfolio, generating an estimated 9,546 MWh of energy annually across 16

schools, to move closer to its goals. DSD showed steadfast commitment overcoming abnormal wind and seismic conditions, newer and more robust California Division of the State Architect's (DSA) regulations, and rising steel costs — all in the middle of a global pandemic. 🌱





## East Bay Community Energy (EBCE)'s Resilient Municipal Critical Facilities Program



### WHAT THE JUDGES SAID...

By using solar power and batteries these critical facilities can operate through outages thus reducing the dependency on existing diesel or gas generators. This program will also reduce CO<sub>2</sub> emissions."

East Bay Community Energy (EBCE)'s Resilient Municipal Critical Facilities Program is emblematic of EBCE's efforts to reduce barriers to solar + storage deployments for local governments and to increase community resilience in its service areas. While facilities like police stations, fire stations, community centers and libraries can't afford to go dark during power outages, local governments often lack available staff time, financial resources, or technical expertise to advance resilient energy projects. Similarly, solar + storage contractors face the barriers of high customer acquisition and initial project development costs. EBCE has developed an innovative and scalable model that provides resiliency backup for critical loads in the event of grid outages while reducing customer energy bills. The project will serve over 75 facilities in at least 10 cities across the San Francisco Bay Area.

Through this program, EBCE is able to better manage battery discharge during time-of-use (TOU) periods to reduce both customer bills and its own wholesale energy procurement costs (i.e., resource adequacy capacity requirements). Additionally, the program reduces overall reliance on existing diesel-powered generators, minimizing CO<sub>2</sub>-equivalent emissions throughout EBCE's participating service areas. Moreover, it requires no upfront costs or maintenance expertise while ensuring energy bill certainty and community-level resilience. 🌱





## EcoEnergy - A US Retailer saves over \$2.1 million in energy usage



### WHAT THE JUDGES SAID...

This project is commendable for its notable achievements in energy savings at over 700 retail locations. The results are impressive, with \$2.1 million saved in energy usage and 80% of HVAC and lighting issues resolved in 2022, resulting in a reduced carbon footprint."

EcoEnergy Insights partnered with JoAnn Inc, successfully saving over 50 million kWh of energy in 4 years. By leveraging their AI and IoT platform CORTIX™ and the BluEdge™ Command Centers, comprising domain experts and data scientists, they transformed store operations, making them proactive and efficient. This achieved the following results in 2022:

- a. 11.3% average monthly energy savings equivalent to a reduction of 11,700 metric tons CO<sub>2</sub>e
- b. 20% technicians dispatched with 80% work orders managed through remote actions
- c. 98.9% adherence to Service Level Agreement (SLA) for order response and resolution
- d. 14,000+ proactive actions taken to energy savings

*"The program is a key part in enabling us to move towards achieving our*

*sustainability goals. It has provided us with energy optimization opportunities and aids, along with other corporate initiatives, to reduce our carbon footprint. It's great that this engagement contributes to larger environmental improvement opportunities, and we're pleased that it continues to grow in its value."* said Ken Douglas, Director, Store Facilities & Construction, JOANN Stores. 🌱



## Enel North America - Resilient Service Station at Alltown Fresh



### WHAT THE JUDGES SAID...

A gas station can also provide renewable energy to charge EV and serve as backup power as another source of resiliency at the same time create a positive impact on the environment."

Enel partnered with Global Partners LP to implement a fully operational microgrid at an Alltown Fresh located on an evacuation route in Ayer, Massachusetts. The microgrid incorporates several DERs, all integrated behind one meter, to achieve efficiency, sustainability, and resiliency. An 87 kW rooftop solar system provides power for the facility, while the 87 kW / 174 kWh battery storage unit and a portable generator connection act as backup power sources during outages. The BESS is used to peak shave during times of high demand, supporting the local grid and reducing the site's yearly energy costs by up to 10-20%. The microgrid also includes a 50 kW DC fast charging EV station which can charge vehicles up to 80% battery capacity in 30-60 minutes. Designed to be modular and scalable, the microgrid can easily be adapted as the business' needs grow and evolve in the future.

With the microgrid in place, Alltown Fresh can remain powered and continue

serving customers during outages and grid disruptions. The microgrid was the first completed project through InnovateMass' Resilient Service Stations Challenge, which seeks to ensure continuous power for service stations near evacuation routes across the state during emergencies. 🌿





## Flex - Supplier Greenhouse Gas Emissions Reduction Program



### WHAT THE JUDGES SAID...

Flex's Supplier Greenhouse Gas Reduction Program will deliver incredible environmental benefits by engaging the company's supply chain, using standardized reporting frameworks through the CDP platform, supporting suppliers to minimize their GHG emissions."

To help accelerate sustainability beyond the company's walls and throughout the value chain, Flex included suppliers in its overall sustainability strategy. Flex committed that 50% of its preferred suppliers will set greenhouse gas (GHG) emissions reduction targets by 2025 and 100% of preferred suppliers by 2030.

To support this goal, Flex launched their Supplier Greenhouse Gas Emissions Reduction Program in partnership with preferred suppliers and CDP (formerly known as the Carbon Disclosure Project), a leading organization that operates a global environmental disclosure system.

Flex kicked off the program in 2021, inviting preferred suppliers to participate. Within the first year, 60% of the preferred suppliers publicly disclosed operational emissions through CDP, 29% publicly disclosed GHG

emissions reduction targets and 7% had a renewable energy target.

The program helps Flex progress toward sustainability goals, but more importantly, curb value chain emissions in collaboration with suppliers. Flex now has deeper engagement with its preferred suppliers, helping to fortify relationships, support supply continuity, and mitigate risk.

In 2022, Flex launched a supplier renewable energy initiative which included trainings on technologies, tools to calculate their energy consumption, set targets, and more. 🌱





## Forefront Power - Rivian Solar Charging Yard



### WHAT THE JUDGES SAID...

This charging infrastructure is critical for energy efficiency overall and the reliance on renewable energy will reduce carbon emissions."

Rivian signed the Climate Pledge to reach net-zero carbon emissions by 2040, 10 years ahead of the Paris Agreement. As part of that pledge, Rivian selected ForeFront Power, a leading North American developer of solar and energy storage solutions, to complete a 783 kW DC solar parking canopy at a state-of-the-art EV manufacturing facility in Normal, Illinois. The solar canopy supports Rivian's long-term vision of reducing its carbon footprint while benefiting customers, communities, and the electrical grid.

The solar canopy is equipped with Rivian EV chargers to make up the Rivian manufacturing plant's outbound Solar Charging Yard. The project is expected to generate 1.04 million kilowatt-hours (kWh) of clean, renewable electricity annually. ForeFront Power's estimates show that the Solar Charging Yard will help Rivian avoid approximately 800 tons of CO<sub>2</sub> emissions per year –

roughly equivalent to burning 800,000 pounds of coal.

Alongside a forthcoming wind turbine at the manufacturing plant, the Solar Charging Yard will help power new R1 vehicles completely with clean energy for their first charge, before being delivered to customers.

Rivian's Solar Charging Yard exemplifies the company's climate and sustainability leadership, showing U.S. customers what a clean energy future looks like within the auto industry. 🌱





## GreenTrees - Mississippi Alluvial Valley



### *WHAT THE JUDGES SAID...*

Accounts for 44% of all U.S voluntary carbon credits, planted more than 60 million trees, sequestered 6.3 million tons of carbon, and restored 3.4 billion liters of water stored in the forested ecosystem.”

The Mississippi Alluvial Valley (MAV) project is facilitated by GreenTrees, the market leader in reforestation and carbon removal in the U.S. GreenTrees incentivizes individual landowners to plant forests, measure the growth annually and convert into carbon credits. The MAV project works to restore the region’s forests and wildlife habitats through large-scale reforestation efforts by empowering small and medium sized landowners through financial incentives from carbon credits. With 130,000+ acres of land already reforested and 600+ participating landowners, the MAV project has removed more than six million metric tons of carbon from the Earth’s atmosphere to date. The project continues to grow, but the already-existing planted acres will remove a projected 30 million metric tons over the next 40 years.

GreenTrees successfully forged partnerships with more than 600 landowners to establish the largest reforestation project in the U.S. with a

99.64% market share of ex post facto vital credits issued to date. GreenTrees accounts for 44% of all U.S. voluntary carbon credits. GreenTrees and its landowners have planted more than 60 million trees, sequestered 6.3 million tons of carbon and helped restore 3.4 billion liters of water stored in the forested ecosystem. 🌿







## Honeywell Emissions Management Suite (EMS)



### WHAT THE JUDGES SAID...

The EMS integrates certified wireless gas leak and detection technology, automated data collection systems, and software to swiftly detect methane leaks and process vents, thereby bolstering sustainability initiatives."

Honeywell's End-to-End Emissions Management Suite (EMS) is an automated and continuous outcome-based solution that simplifies methane emissions measurement (including methane), monitoring, reporting and reduction at the equipment, site, region and enterprise-level for a wide range of industrial markets. It also includes analytics, visualization, proactive insights and strategies to assist with the critical outcome of emissions reduction (scope 1 and 2), optimizing energy use and improving operational efficiency that includes proactive leak detection and repair.

The EMS offering features a combination of hazard area certified wireless gas leak and detection technology, automated data collection systems, and software to quickly identify methane leaks and process vents to help reduce production losses and improve productivity. The solutions' accurate and reliable data collection system replaces the slow periodic manual

reporting and enables customers to continuously track and measure real-time emissions baseline levels, ensuring precise data to proactively manage equipment and maintenance. The solution provides a streamlined and optimized reporting process, which helps customers as they strive to achieve their corporate sustainability targets and align with global government emission regulations. 🌱





## KB Home Microgrid Community



### WHAT THE JUDGES SAID...

The success of this project is measured by reduced CO<sub>2</sub> emissions annually, savings on power costs and volume of electricity provided to the grid during peak hours.”

KB Home has been at the forefront of deploying advanced technologies and energy solutions for the benefit of our homebuyers. That’s why, in partnership with SunPower, the University of California at Irvine, Schneider Electric, Kia America and Southern California Edison, KB Home launched the first residential microgrid communities of all-electric, solar- and battery-powered homes in California. The world is experiencing more severe and frequent weather events, which can cause a significant strain on the power grid and dangerous blackouts. This first-of-its-kind project includes 219 homes that combat this issue by pulling power from either their own home’s battery, the community battery or the utility grid. The communities’ microgrids can also help other surrounding neighborhoods if there is stress on the utility

line by sending excess energy back to the grid and diverting energy to help power other areas. Each home is designed to achieve net-zero energy, meaning it should produce as much energy with its solar system as it consumes over a year. These “Energy Smart” communities provide a blueprint for a more resilient and resourceful power grid in the future. 🌱





## Neste - Transforming Gray Infrastructure into Green



### WHAT THE JUDGES SAID...

The unique features of this project enable Neste to deliver a clean, reliable and environmentally friendly source of energy to the end users."

The U.S. East Coast is home to some of the busiest airports in the U.S. The vast majority of them get their fuel from the Colonial Pipeline system and, in New York, the Buckeye Pipeline system. As the world's largest sustainable aviation fuel (SAF) producer, Neste offered a breakthrough in the supply chain by directly delivering the fuel to New York's LaGuardia Airport through the Colonial and Buckeye pipeline systems - two crucial pieces of American energy infrastructure. Essentially, transforming existing oil, or gray, infrastructure into what can be considered green infrastructure. This project demonstrates the long-term viability of SAF and the airline industry's journey towards net zero. Importantly, it shows that SAF can go anywhere there

is an existing pipeline currently carrying fossil jet fuel. SAF is a direct replacement for conventional jet fuel that is produced from renewable waste and residue raw materials, such as used cooking oil, and helps reduce greenhouse gas emissions by up to 80% compared to fossil fuels on a life cycle basis if used in its neat form. 🌱





## Plug Power - Plug STAMP Facility



### *WHAT THE JUDGES SAID...*

There is going to be even more need for cleaner and sustainable local hydrogen supply - and Plug Power can play a major role in the decarbonization of the transportation sector.”

Plug’s STAMP plant sits on 1,250 acres and is the largest planned green hydrogen production facility in America. Plug is working with New York Power Authority and National Grid to build a 500 megawatt substation that will feed power into the STAMP site from renewable sources. Once fully operational, the plant will produce 45 metric tons of liquid green hydrogen daily using clean hydropower. This investment in green hydrogen production will bring 60+ green collar jobs to the local economy. Likewise, it plays a significant role in decarbonizing sectors such as freight-transportation and logistics and supports NY’s path to achieving carbon-neutrality by 2050 and will help scale the green hydrogen economy in the US. STAMP has been

validated as a regional priority project by the Finger Lakes Regional Economic Development Council and has been supported by local, regional, and state governments, as well as business, university, and utility partners. 🍃





## Procter & Gamble - Pampers



### WHAT THE JUDGES SAID...

This project is a key contributor to reducing waste and meets the highest and best use of the waste hierarchy through reduction of waste before it occurs."

P&G is using an AI-powered manufacturing line model that leverages machine learning to reduce Pampers diaper scrap and increase efficiency. Pampers' manufacturing process requires seamless functioning of 40+ individual glue streams to assemble each diaper. Each must function with flawless consistency at a high-production line speed of 1,200 diapers per minute on more than 140 manufacturing lines. Through collaboration with Microsoft, P&G's model enables employees to analyze production data and immediately make decisions that drive exponential impact.

With this innovation, P&G is leveraging data on a scale that has never been done before, and creating capabilities

that haven't previously existed, to enhance the predictive quality of manufacturing equipment and manage supply chain efficiency. This first-of-its-kind co-innovation agreement will digitize and integrate data to increase quality, efficiency and sustainable use of resources. So far on average, the technology reduced glue-related scrap by 80%. 🍃





## RPD Energy - Iron Mountain 24/7 Carbon Free Energy



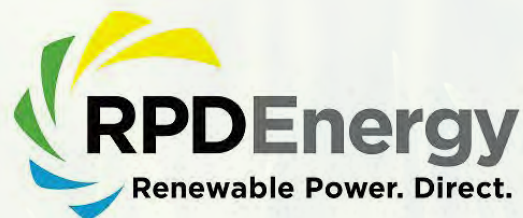
### *WHAT THE JUDGES SAID...*

This is truly how we want to optimize renewable energy assets to match up load consumption. As a result, a facility is using renewable energy 24/7 which is ideal."

RPD Energy, along with industry partners Scoville Risk Analytics and Axpo US, developed a landmark 24/7 CFE solution for Iron Mountain Inc. The transaction covers Iron Mountain data center and non-data center facility load across nine states, over 250 service accounts and three ISO regions. The project features a 4-year term which will serve as a bridge to a solution anticipated to encompass new generation sites in a socially impactful way. It also leverages multiple generation sources including wind and low impact hydro projects throughout the Midwest and Northeast.

Also included is wholesale contracting with multiple generators and facilities through Axpo US and features bundled energy/RECS from specific assets. Forecasted generation curves and the forecasted load have been created

using sophisticated analytics to sustain optimal balance between economics and hourly coverage ratios. Total coverage hours are expected to be well above 90%, with most hours at 100%. Iron Mountain will provide transparency in its reporting of its hourly coverage and claims through ClearTrace and is consistent with the protocols and methodology recently published in Google's 24/7 CFE whitepaper. This innovative transaction represents the broadest and most complex transaction of its type so far in the marketplace. 🍃





## Schneider Electric and Citizens Energy Corporation - Daughters of Mary Microgrid



### WHAT THE JUDGES SAID...

This is a wonderful example of an environmental project that clearly meets the 3 legs of sustainability - people, profit, planet."

Schneider Electric, together with Citizens Energy Corporation, developed a \$5 million advanced microgrid for the Daughters of Mary of Immaculate Conception campus in New Britain, Connecticut. The first-of-its-kind microgrid serves to power four standalone critical facilities to ensure more reliable, efficient power. It also functions to improve resiliency for the facilities amid extreme weather events or grid outages, enabling uninterrupted electric services to critical infrastructure during emergencies. The microgrid has the capacity to operate collectively (grid-tied) or enable each facility to operate in "island mode," allowing the necessary facilities to separate from the electric grid and continue to operate at, or near, normal capacity for extended periods during power outages. The project is also the state's first microgrid capable of operating on 100% renewable energy around the clock in island mode. The goals of the project were resiliency and electricity cost savings. To date, both of these have been successful. 🌱





## Schneider Electric - Jersey City's Resiliency Plan Preps them to Weather the Storm



### WHAT THE JUDGES SAID...

Excellent demonstration of the importance of strategic partnerships between government and private sector in order to address environmental concerns."

A decade after Hurricane Sandy devastated the East Coast, climate change-related extreme weather continues to take its toll on coastal communities. In response, Jersey City is taking action to set the standard for municipal resilience and climate action.

Jersey City began implementation of a comprehensive Energy Savings Improvement Plan (ESIP) in June 2022. The ESIP includes provisions for the city to install resilient energy infrastructure and invest in electric vehicles, solar panels, and the nation's first self-

sustaining municipal microgrid. This comprehensive suite of clean technology will ensure reliable power and uninterrupted access to critical city services, even during an extended power outage or fuel shortage.

The city engaged Schneider Electric to design and execute these improvements throughout the city. While protecting Jersey City's buildings and its residents, the ESIP is also projected to reduce energy costs by \$13 million over the next 20 years. 🍃

**Sustainability in Progress.**

Jersey City is committed to expanding our position as a leader in sustainability and fighting climate change. Our comprehensive Energy Savings Improvement Plan (ESIP) helps us reach this ambitious goal by making improvements to our city infrastructure and facilities that boosts our energy reduction goals.

- Modernize facilities to improve city infrastructure
- Expand our city's position as a sustainability leader
- Create more resiliency to be prepared for extreme weather
- Invest in clean technologies and cut energy use

**CITY INFRASTRUCTURE** | Life Is On | **Schneider Electric**





## Tigon Medical - GreenRepair



### WHAT THE JUDGES SAID...

Disposable plastic constitutes a substantial waste stream within the medical sector. This solution presents an opportunity to genuinely decrease the usage of this material."

Tigon Medical is a start-up medical device company. We received our first FDA approved product in 2018. Since 2018 Tigon has been recognized as the sports medicine company with the GreenRepair. Great innovation while reducing waste in the operating room. Tigon Medical was featured in Forbes Next 1000 for entrepreneurs.

Every year, 4 billion pounds of waste are produced by health care facilities. Tigon Medical is an FDA approved medical device company looking to change that paradigm. We are changing how implants for soft tissue injuries (rotator cuff, achilles ruptures, labrum repairs etc.) are delivered by using high end non-disposable instruments. These instruments can be reused thousand of times. Industry wide implant companies that offer the implants for soft tissue repair have gone to disposable instruments that are for one time use only. These companies use plastic

handles, shafts, cannulas and disposable kits. Tigon Medical is going another direction. Tigon Medical has registered the "GreenRepair". Our instruments are reusable and eliminate plastic waste in the operating room. We are the only medical device company promoting waste reduction in medical facilities. Tigon Medical believes that the medical community need to do its part in reducing medical waste. 🌱



**TIGON MEDICAL**





## Turntide Technologies - Turntide Electrification



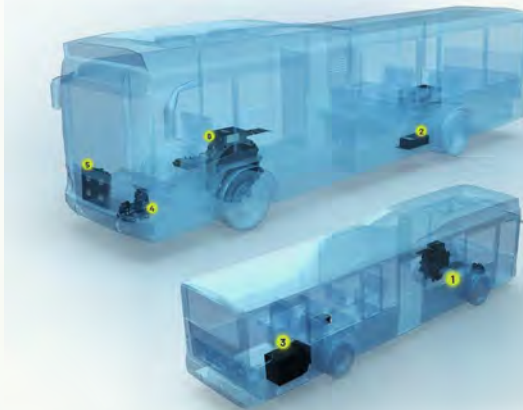
### WHAT THE JUDGES SAID...

This project, which redesigns the production and distribution of components for electrified powertrains of various types of medium and heavy-duty vehicles, is significant."

Although much attention is given to electrifying passenger cars, commercial and industrial transport is responsible for 55% of global emissions in the transport sector. This presents a significant opportunity to reduce CO<sub>2</sub> emissions. Turntide Electrification is a suite of world-class vehicle battery and powertrain components designed to decarbonize the commercial and industrial transport sectors, focusing on off-highway vehicles, construction equipment, agriculture equipment, trucks, buses, and rail - some of the most challenging vehicles to electrify. Turntide aims to decarbonize the transportation industry by simplifying the redesign of legacy internal combustion systems.



One-stop-shop for  
Vehicle Electrification



1 - Inverter



2 - DC/DC Converter



3 - Battery



4 - ePump



5 - Fan



6 - Motor

The company combines world-class, patented electric drivetrain components, including batteries, motors, inverters and thermal controls, with its unique expertise in complete systems-level design and development capabilities to fully electrify a wide range of commercial vehicle types. 🍃

# MEET THE JUDGES



# 2023 JUDGING PANEL



## **Angela Gordon**

*Director, Reg & Leg Policy*

*TRC Companies*

Angela Gordon, a senior policy advisor with TRC, has worked in the electric, natural gas and water industries for 35 years. Her areas of expertise include rates and regulatory issues, utility business development, industry reforms, EE/DR program design and implementation and utility mergers and acquisitions. Ms. Gordon has been addressing utility industry change and realignments since early in her career during the implementation of PURPA and the deregulation of natural gas pipelines. Ms. Gordon specializes in regulatory strategic planning, rate analysis, utility program design and implementation practices. 🍃



## **Charles McEwan**

*GEMS Program Manager*

*Atlanta Veterans Health Care Administration*

Mr. McEwan has over twenty years of combined professional experience in Industrial Hygiene, Environmental Health and Safety (EH&S) compliance, and Biological Safety. Mr. McEwan currently serves as a GEMS Program Manager for the Atlanta Veterans Health Care Administration. In this role, Mr. McEwan manages a 26-acre main campus and 22 Community Based Outpatient Clinics throughout metro Atlanta. The Green Environmental Management System (GEMS) utilizes ISO 14001 standards to manage the facilities environmental sustainability and environmental programs compliance. Mr. McEwan is the facility Subject Matter Expert (SME) to ensure compliance with all local, State, and Federal Environmental Laws and Regulations are followed. Over the past several years the Atlanta VAHCS GEMS program has received National recognition for winning Environmental and Sustainability Awards from the Environmental Protection Agency (EPA). In addition, establishing industry Best Practices and winning numerous National Environmental and Sustainability awards from various organizations. 🍃

# 2023 JUDGING PANEL



## **Cheri Chastain**

*Director, Public Affairs & Sustainability*

*Somers West Development*

Cheri Chastain is an experienced Director of Energy, Sustainability, & Public Affairs with over 15 years' experience in sustainability and climate leadership. Cheri has demonstrated leadership in the food & beverages industry, higher education, community development, and local government. Focusing on carbon neutrality and climate resilience, Cheri has successfully implemented programs in renewable energy generation, water conservation, alternative transportation adoption, and zero waste while leading policy, governmental and industry-wide efforts. Cheri currently serves as Director, Public Affairs & Sustainability for Somers West Development where she develops and implements strategies and action plans to ensure climate-positive community development while representing the company in all public facing affairs. In addition, Cheri serves as the Chair of the City of Chico Climate Action Commission, a board member for the non-profit bicycling advocacy organization Chico Velo, and was a founding board member of TRUE Zero Waste and the Glass Recycling Foundation. Cheri has a BA and MA in environmental and physical geography from CSU, Sacramento and CSU, Chico respectively. 🍃

# 2023 JUDGING PANEL



## **Christopher M. Gray, PhD, PE**

*Chief Technology Officer*

*RENU Communities*

Christopher (Chris) Gray is the Chief Technology Officer of RENU Communities, as CTO Chris oversees the technoeconomic evaluation of RENU's carbon-neutral energy efficiency retrofit program, project screening, and the company's technology and platform roadmap. Additionally, Chris oversees the company's construction activities and provides overall project oversight.

RENU Communities is a subsidiary of Taurus Investment Holdings, a global real estate investment firm based in Boston, MA who works in multifamily, office, assisted living, and industrial logistics sectors. RENU Communities develops decarbonization solutions for all RENU asset types.

Chris brings an extensive background in energy and engineering: before joining RENU he spent over 15 years working within energy giant Southern Company in various roles and operating companies including: research and development, sales, and new business development.

Chris is highly active in the Energy industry and is highly engaged with ASHRAE. Chris has chaired numerous committees within ASHRAE on both the technical and grassroots side including chairing the society's geothermal technical committee for multiple years. Chris currently serves on the Board of Directors for ASHRAE as a Regional Director.

Chris holds a BS and MS degree in Mechanical Engineering from the University of Alabama at Birmingham and a PhD in Civil Engineering from the University of Alabama at Birmingham and the University of Alabama in Huntsville. His doctoral coursework and research focused on sustainable construction practices and energy efficiency within the built environment.

Chris is a registered Professional Engineer in Massachusetts, Georgia, and Alabama; is a licensed mechanical contractor in Alabama; and a Certified Energy Manager.

Chris resides in Atlanta, GA; he enjoys running and other outdoors sports, wine and bourbon, and attending professional and college sports. 🍷

# 2023 JUDGING PANEL



## **Claudia Herbert Colfer**

*Program Manager*

*United Nations Global Compact Network USA*

Claudia Herbert Colfer is Program Manager at the United Nations Global Compact Network USA. As Program Manager, Claudia develops mechanisms and manages initiatives that help over 800 American companies do business responsibly and sustainably. She also helps engage the American private sector with the work of the United Nations, particularly with Agenda 2030 and the Sustainable Development Goals.

Claudia is also the Founder and CEO of Wasi. Wasi is an iOS app that provides a platform for people to easily make a positive change in the world. The app allows its users to learn about the most pressing global challenges and gives them recommendations on how to contribute to overcoming them from the comfort of their homes. In addition, Claudia is a Founding Member of the World Economic Forum's Global Shapers Queens Hub and was named to the Environment + Energy Leader 100 in 2021.

In the past, Claudia has worked at Bain & Company, the International Chamber of Commerce (ICC), and the United States Council for International Business (USCIB). Claudia holds a Bachelor of Science (Hons) in Politics and International Relations from the University of Bath, a Master of Arts in Global Governance and International Diplomacy from Columbia University, and a Master of Science in Sustainability, Enterprise and the Environment from the University of Oxford. 🍃

# 2023 JUDGING PANEL



## **Cyril Toussaint**

*NYC Health + Hospitals*

Cyril Toussaint led the Energy Management and Sustainability Division in the Office of Facilities Development at NYC Health + Hospitals (NYC H+H) for over 10 years. NYC Health + Hospitals is the largest integrated municipal healthcare system in the United States. NYC H+H is a network of eleven (11) hospitals, trauma centers, neighborhood health centers, nursing homes, and post-acute care centers, totaling over 21 million square feet.

Mr. Toussaint spearheaded the implementation and improvement of energy efficiency and operational processes, aimed at ensuring that the Public Health Care System achieves its Mayoral mandate to reduce Greenhouse Gas (GHG) emissions by 80% by 2050. In 2017, Mr. Toussaint received the Association of Energy Engineer's (AEE) Region I Energy Manager of the Year Award for 2017 and in 2019, he accepted Region I Innovative Energy Project of the year Award on behalf of NYC Health + Hospitals / Kings County. 🍃



## **Kirby Dipert**

*Senior Field Engineer*

*TRC Companies*

As a Field Engineer with TRC, Kirby works primarily on the Commercial and Industrial Energy Efficiency program supporting the local Publicly Owned Utility NIPSCO. In this role he meets with NIPSCO customers regularly to improve their bottom line through embracing energy efficiency upgrades within their facilities.

Having a broad background in energy efficient endeavors as part of his career in commercial and industrial HVAC sales, management, and marketing, he has helped very high-level clients such as GM, Siemens, Bayer, and AM General not only save energy but reduce their carbon footprint via a variety of capital improvement projects within their operations. 🍃



# 2023 JUDGING PANEL



## **Doug Parker**

*Founder & CEO*

*Ecolumix*

Doug Parker is the CEO and co-founder of Ecolumix, a company that provides best in class environmental health and safety (EHS) data as well as consulting services to the EHS and ESG sectors. The company was established to fill a critical gap in this space: the lack of credible tools to assess companies' performance in the accelerating ESG market. Ecolumix addresses this problem by applying hard data, informed by deep subject matter expertise, to provide trustworthy answers about companies' EHS performance.

Doug brings unique insights to his role as co-founder at Ecolumix having served as an environmental risk advisor to large companies and previously serving as the Director of EPA's Criminal Investigation Division (CID) where he was as a special agent for 24 years. As Director, he oversaw matters ranging from the investigation into the Deepwater Horizon disaster to the agency's efforts at analyzing massive amounts of compliance data to managing major criminal enforcement initiatives with the Department of Justice.

In 2022, Doug was named Doug Parker is the CEO and co-founder of Ecolumix, a company that provides best in class environmental health and safety (EHS) data as well as consulting services to the EHS and ESG sectors. The company was established to fill a critical gap in this space: the lack of credible tools to assess companies' performance in the accelerating ESG market. Ecolumix addresses this problem by applying hard data, informed by deep subject matter expertise, to provide trustworthy answers about companies' EHS performance. 🍀

# 2023 JUDGING PANEL



## **Jeff King**

*Vice President, Head of ESG*

*Bath and Body Works*

Jeff King is the Vice President and Head of ESG for Bath and Body Works, where he recently joined the company to build an ESG function and strategy for the company. He was previously the Sr. Director for Global Sustainability and Social Impact for the Hershey Company. In this position he was responsible for Hershey's environmental sustainability, human rights policies and practices, farmer livelihoods programming, ESG reporting, philanthropic giving and community programs, as well as leading Hershey's commitment to giving children the best chance to succeed through The Heartwarming Project which focuses on developing youths' ability to connect and form social connections. Additionally, he led building Hershey's Energize Learning program in Ghana, opening a factory that produces the nutritional supplement snack 'ViVi', that supports the health and nutrition of Ghanaian children through a partnership with the Ghana School Feeding Program.

Prior to this position King has held various commercial roles, most recently responsible for the strategic direction and regional execution for the Hershey Company's two biggest franchises, as the Sr. Director Global Hershey and Reese's. He has also been the Director of Disruptive Innovation expanding the company innovation portfolio into new businesses and business models. He has also been Sr. Brand Manager for the U.S. Reese's Franchise, where he was responsible for managing all brand activities for the \$1.2 billion Reese's franchise.

King joined the Hershey Company in 2008 from Procter and Gamble, where he held multiple marketing roles of increasing responsibility across brand management, innovation, and shopper marketing. While at P&G, he was noted for restoring growth to P&G's original brand, Ivory soap, reversing decades of decline.

He has a BBA for the University of Toledo, and a MBA from Indiana University. 🍌

# 2023 JUDGING PANEL



## **Jigar Shah**

*Director of the Loan Programs Office*

*Generate Capital*

Jigar Shah was most recently co-founder and President at Generate Capital, where he focused on helping entrepreneurs accelerate decarbonization solutions through the use of low-cost infrastructure-as-a service financing. Prior to Generate Capital, Shah founded SunEdison, a company that pioneered “pay as you save” solar financing. After SunEdison, Shah served as the founding CEO of the Carbon War Room, a global non-profit founded by Sir Richard Branson and Virgin Unite to help entrepreneurs address climate change. Originally from Illinois, Shah holds a B.S. from the University of Illinois-UC and an MBA from the University of Maryland College Park. 🍃



## **Kelly Meissner**

*VP, Corporate ESG & Sustainability*

*Ventas REIT*

Kelly Meissner is Vice President, Corporate ESG & Sustainability at Ventas, Inc., an S&P 500 company and real estate investment trust (REIT) that owns approximately 1,300 healthcare assets, including medical office buildings, research and innovation properties and senior living communities in the U.S., Canada and the U.K. Ventas also manages more than \$5B in third-party capital ventures, including the Ventas Life Science & Healthcare Real Estate Fund. Ms. Meissner joined Ventas in 2011, holding roles in Acquisitions and Asset Management before starting the ESG and Sustainability department in 2016. Prior to Ventas, her experience included strategy and operations consulting and real estate private equity. Ms. Meissner is the immediate past Chair of the Nareit Real Estate Sustainability Council and is an active member of the Real Estate Roundtable Sustainability Policy Advisory Committee. In 2022 Ms. Meissner was presented with the Nareit Leadership Personified award for sustainability and was included on the Environment+Energy Leader 50 list.

Ms. Meissner holds an MBA from the Wharton School of the University of Pennsylvania and a BA in Economics and Biology from Northwestern University. She lives in Chicago with her husband and two young children. 🍃

# 2023 JUDGING PANEL



## **Kevin Sok**

*Vice President, Renewable Energy Development*

*Bridge Investment Group*

Oversee the renewable energy development for Bridge Renewable Energy Fund. With over 20 years of extensive experience in the energy and sustainability industry, role entails developing and executing strategies to generate energy from renewable sources, carbon neutral strategy, energy management, identify & deployment of cleantech innovation, and environmental data management, analytics & reporting.

Before joining Bridge, Kevin spent over 13 years at Cox Enterprises where he led the evaluation of renewable/clean energy projects such as solar, wind, fuel cells, energy storage, sustainable aviation fuel (SAF), geothermal, biogas and other technologies for self-development & acquisition, and tax equity and cleantech investment. Recognized by Fast Company for the 2020 World Changing Ideas Award for development of a New Energy Business Model, providing point-of-entry into renewable energy wholesale-market, for small/mid-size companies, a collaborated initiative with Salesforce, GAP, Workday & Bloomberg.

Prior to Cox, Kevin worked at Southern Company and held various positions in engineering and marketing services. Holds a bachelor's degree in Mechanical Engineering from the University of Central Florida (UCF) in Orlando, FL and an Executive MBA from the J. Mack Robinson School of Business at Georgia State University in Atlanta, GA. He is also a Certified Energy Manager (CEM), and a USGBC LEED Accredited Professional. 🍃

# 2023 JUDGING PANEL



**Kisa Adkins Baskin**

*Director of ESG*

*WernerCo International*

Kisa Adkins Baskin recently joined WernerCo International as the Director of ESG, where she drives the execution of the ESG Strategy as well as leads the environmental function.

Ms. Baskin's diverse environmental career includes working for the State of Georgia Environmental Protection Division, consultant for CH2M Hill (now Jacobs Engineering Group) and for the last 12 years, leading global environmental programs for Newell Brands and TreeHouse Foods. Each opportunity has provided her with the experience and opportunities to support the development of management systems that are rooted in compliance but focus on continual improvement and sustainable growth. At NWL she has led the development of their Global Compliance Program, including an internal education and training program for manufacturing and distribution environmental coordinators. At TreeHouse Foods, she served as Director of Environmental Affairs, leading M&A activities for the Risk Management Organization, founded and co-chaired Wastewater Working Group and ESG Transparency subcommittee, and led the Responsible Sourcing audit program.

Ms. Baskin graduated with a B.S. in Environmental Science from Marshall University. She was selected as a 2017 Environmental Leader Honoree and also served on the 2017 Environmental Products and Projects judging panel. 🍃

# 2023 JUDGING PANEL



## **Niki King**

*VP and Head of Sustainability*

*Clorox*

Niki King is the VP and Head of Sustainability for The Clorox Company. In this role, Niki is responsible for driving Clorox's Sustainability strategy and initiatives, including reporting and execution against the company's ambitious ESG goals. She leads an ESG Core Team made up of ESG leaders and subject matter experts across Clorox and is responsible for engaging a broad set of internal and external stakeholders to ensure Clorox continues as a leader in the ESG space.

Throughout her career, Niki held roles at companies including Campbell Soup Company, Brilliant Earth, Novo Nordisk and Unilever where she developed and executed sustainability strategies focused on reducing sustainability risks and impacts across the value chain and advancing corporate reputation through ESG-focused stakeholder engagement.

Outside of work, you will find Niki literally outside- hiking, grilling, gardening, bird watching and hunting bugs with her grandchildren.

She earned a B.A. degree in Social Sciences, a M.S. degree in Business Management and a Certificate in Organizational Leadership from Thomas Edison State University. 🌱



## **Travis Solberg**

*Chief Sustainability Steward*

*Solberg Mfg*

Travis Solberg has lead sustainability for Solberg MFG in Itasca, IL since January 2009. Solberg MFG is a two-time Illinois Governor's Sustainability Award and Real Leaders Impact Awards winner.

They have won a number of other environmental awards including the Environment and Energy Leader Honoree and B Corporation Best for the Environment. Travis is determined to continuously make the world a better place through his family business and their network of professionals in a variety of environmental and community interests. 🌱

# 2023 JUDGING PANEL



## **Paul Blagbrough**

*Principal Consultant (Japan Office)*

*ERM*

Mr. Paul Blagbrough is a principal consultant in the ERM Japan office.

He is the North Asia Tech lead for ERM and has experience of working on Data Centers in Japan, in particular on the development of HSE standards for Data Centers and Site Due Diligence Studies. He also runs a HSE auditing program for renewable power construction projects.

Before joining ERM, Mr. Blagbrough had previously worked on a 10MW Biomass in Japan and was the head of sustainability for MUFG-US. 🍃



## **Paul Campbell**

*Director, Energy & Sustainability Marketing*

*ICF International*

Innovative Executive Leader with 33+ years of diverse experience in strategic business development, account management, program execution, operations, and Six Sigma quality system implementation. Currently Director, Energy & Sustainability Marketing at ICF International, supporting the adoption of heat pump technology in space conditioning and water heating in partnership with EPA-ENERGY STAR. Previously sixteen years at Sears leading Energy Efficiency and Sustainability initiatives. Optimized strategic sustainability partnerships with retailers, trade organizations, consultants, manufacturers, regulators, and EPA/DOE. Participated in disaster response/market recovery in Puerto Rico post Hurricanes Irma and Maria. Trained in Six Sigma at GE. Achieved Master Blackbelt status. Holds BSME from U. of Illinois and MBA from William & Mary. Resides in Chicago. 🍃

# 2023 JUDGING PANEL



**Paul Leavoy**

*Director of Content*

*Thentia*

Paul Leavoy has worked as a journalist, analyst, and marketer in and around technology, regulation, and sustainability for over two decades. He currently serves as Director of Content for Thentia, a regulatory technology company, where he also acts as Editor of Ascend Magazine, a publication covering regulatory affairs and digital government. Throughout his career, he has explored the sustainability connection between public policy, private enterprise, and technology. 🌱



**Salem Afeworki**

*Energy and Sustainability Services Manager*

*City of Costa Mesa*

Salem Afeworki, LEED GA, ENV SP, EcoDistricts AP is the Energy and Sustainability Services Manager at the City of Costa Mesa. She is passionate about climate action, renewable energy technologies and community empowerment, and is responsible for developing and implementing all citywide sustainability programs and initiatives that build a safe, resilient, livable and inclusive city for all residents. Her goal is to make Costa Mesa a leader in Sustainability and is committed to working with diverse stakeholders to make that happen. 🌱



# 2023 JUDGING PANEL



## **Susan Pinera**

*SBM Corp*

Sue Pinera is a seasoned professional with over 35 years of experience working for major global organizations providing environmental and sustainability support across business lines. Ms. Pinera has developed strategic programs and procedures that meet corporate objectives and goals in the areas of zero waste, energy consumption, employee awareness, recycling, waste management, building certifications, water conservation, Greenhouse Gas inventory, renewable energy and regulatory compliance. Presently, Ms. Pinera is responsible for supporting SBM's customers in the eastern region of the US developing and implementing data driven programs in recycling, composting, waste reduction, communications, and green cleaning with an emphasis on developing innovative waste management solutions in lab, manufacturing and office environments; focusing on creative and sustainable outlets for hard to recycle plastics. Ms. Pinera also supports these organizations in achieving TRUE zero waste, LEED and Fitwel certifications.

Prior to working for SBM, Sue held corporate sustainability roles at The Hertz Corporation and Samsung Electronics of America.

Ms. Pinera holds a Master of Arts in Sustainability Studies, a Master of Science in Environmental and a Bachelor of Science in Environmental Resource Management. Ms. Pinera has also received her Certificate in Sustainable Resource Management (CSRМ) and is a certified TRUE Advisor supporting USGBCI's Zero Waste program. 🍃

# 2023 JUDGING PANEL



**Tom Pagliuco**

*Managing Partner*

*TAPco Enterprises*

Tom Pagliuco is currently Managing Partner, TAPco Enterprises. TAPco Enterprises is a consultancy focused on advising industrial and commercial clients on how to manage their energy and sustainability programs and reduce their energy usage, cost and GHG emissions.

Before starting TAPco Enterprises, Tom was the Executive Director, Global Energy Engineering at AbbVie (Allergan), where he managed the Energy Management Program across a global portfolio of facilities. He also developed, implemented and managed the Allergan, Merck and Schering-Plough global energy programs. The Allergan, Merck, and S-P energy management programs have been recognized by ENERGY STAR as Partners of the Year. Tom was the recipient of a 2008 S-P Environmental Achievement Award for his advocacy for energy excellence, received the 2014 EnergySMART Energy Innovator Award and was named a 2017 Energy Manager Today 50 and 2020 Environment + Energy Leader 100. Tom was also responsible for implementing the global sourcing strategy for electricity, natural gas and other fuels. He continues to evaluate the feasibility of using renewable energy technologies across the corporation, and while at S-P he was instrumental in completing one of the largest rooftop mounted solar electric systems in the United States.

Mr. Pagliuco has over 40 years of industry experience with roles of increasing responsibility. He joined AbbVie/Allergan in 2015, coming from Merck/Schering-Plough where he spent nine years. Prior to Merck/S-P he was in the Energy Services business, working for Prenova, Inc. and Enron Energy Services, responsible for energy project development. His career started in chemicals where he held several engineering and technology management roles at Rhodia (Rhone-Poulenc) Inc and Union Carbide Agricultural Products.

Tom received his undergraduate degree from the State University of New York at Buffalo, where he majored in Chemical Engineering. 🍃

# ABOUT



Environment  
+ Energy  
**LEADER**

Environment+Energy Leader is part of C-Suite Compass LLC, a woman-owned B2B media corporation on a mission to empower business leaders and executives with the knowledge and insights they need to drive progress and make a positive impact on the world. By providing intelligent, focused content on business issues ranging from energy management to climate change and technology to sustainability, we aim to inspire and share knowledge from, to and amongst those who hold the power to shape our collective, global future.

To learn more about us, please visit **Environment+Energy Leader**.

