



E+E LEADER TOP PRODUCT & PROJECT AWARDS 2024

Share your favorite product & project wins on LinkedIn and tag us with #EEAwardsin24. Help one product and one project achieve a Readers' Choice Award, to be announced at the E+E Leader Solutions Summit on June 4, 2024.

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A LETTER FROM THE PUBLISHER

Environment+Energy Leader is proud to share the 2024 Awards eBook. This year, we are particularly excited to showcase the exceptional achievements of our winners across six distinct categories, carefully selected to celebrate the vast landscape of environment and energy projects and products across every industry.

Our commitment to fostering a community dedicated to sustainable advancements has only deepened over the last year, and it is with great enthusiasm that we present to you the stories of innovation and leadership that have distinguished this year's awardees. Their achievements are a testament to their unwavering commitment to propelling the sustainability agenda forward.

We sincerely thank you for your curiosity and engagement, which brings vitality to our shared mission. Whether you are a dedicated reader, an active participant, or one of this year's celebrated winners, your involvement is invaluable.

The diversity and uniqueness of this year's entries illuminate the path toward environmental stewardship and energy efficiency, showcasing the incredible potential of collective action and innovation. We commend all our winners for setting new benchmarks in the industry and inspiring us all with their visionary projects and products.

As you explore this eBook, we invite you to immerse yourself in the achievements of our awardees, each embodying the essence of resilience, innovation, and dedication that the Environment+Energy Leader Awards aim to honor. Additionally, we highlight the contributions of our esteemed panel of judges on page 5, whose expertise and impartiality play a crucial role in the integrity and success of the awards program. We are deeply thankful for their invaluable service.

Thank you once again for joining us, and happy exploring!

2024 JUDGING PANEL

Roger Achkar

GWCN

Paul Campbell

International Finance Corporation

Kirby Dipert

TRC Companies

Paul Garcia

Air Force Office of Energy
Assurance

Shea Jameel

Marsh McLennan

Alan Johnson

3E

Jeff King

Bath and Body Works

Paul Leavoy

Green Growth Digest

Mary Ann Grena Manley

15E Communications LLC

Charles McEwen

Joseph Maxwell Cleland Atlanta
VA Medical Center

Kelly Meissner

Ventas, Inc.

Wendy Mlotshwa

Ninety One

Satish Panchal

Gujarat State India

Sagar Pande

Blaze Power

Francis Peverly

CHA Consulting

Susan Pinera

USGBCI's Zero Waste program

Mary Jo Press

Hyundai Motor Group

Hadia Sheerazi

RMI's Climate-Aligned Industries
(CAI) Program

Sam Shiroff

EnerSys

Travis Solberg

Solberg MFG

Zaid Thanawala

Amazon

Cyril Toussaint

NYC H+H



2024 TOP PRODUCTS

Judges' Choice: Business & Infrastructure

Allonnia – Allonnia 1,4 D-Stroy

Judges' Choice: Consumer & Residential

FLOR – Carbon Negative Area Rugs

Judges' Choice: Software & Cloud

Building Transparency – Embodied Carbon in Construction Calculator (EC3)

Business & Infrastructure

Budderfly – Energy as a Service for Profitable and Sustainable Outcomes

EVLO – EVLO

Lattice Semiconductor – Lattice Avant FPGA platform

Rodan Energy Solutions – Rodan Energy Solutions UPS + BESS for Industrial/Manufacturing Facilities

SPX Cooling Tech, LLC – Marley WaterGard Water-Saving Filtration System for Evaporative Cooling Products

Vitro Architectural Glass – VacuMax™ Vacuum Insulating Glass (VIG) by Vitro Architectural Glass

Consumer & Residential

Hubbell Incorporated – Hubbell Level-2 EVSE with Integrated Revenue Grade Metrology

Procter & Gamble – Cascade Platinum Plus

Tim Hortons – Tim Hortons 25% Post-Consumer-Recycled Polypropylene (rPP) Lids

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2024 TOP PRODUCTS

Software & Cloud

Atrius | Acuity Brands – Atrius Sustainability

Benchmark Gensuite – DXP | Data Integrator

Bidgely – Bidgely UtilityAI

Business & Learning Resources (BLR) – BLR's EHS Hero

Carrier Global Corporation – The CORTIX platform, part of Carrier's Abound Suite of Solutions

Convergent Energy and Power – PEAK IQ

Cority Software Inc. – Fujitsu's Scope 3 Emissions Reporting

Ecobot – Ecobot

EnergyCAP, LLC – EnergyCAP Software Solution Suite

GridBeyond – GridBeyond

Groundswell, Inc. – SharePower

Intalex – Corporate Reporting for ESG

Montrose Environmental – Sensible EDP Powered by Montrose Environmental Group

Phoenix Energy Technologies – EnterpriseDX for Grocery

Schneider Electric – Zeigo

Sphera – SpheraCloud Integrated Sustainability

Uplight – Uplight EV Bundled Install

VelocityEHS – Environmental, Social and Governance (ESG) Software



2024 TOP PROJECTS

Judges' Choice: Energy Innovation

NERVA Energy Group Inc. – Largest multi-residential smart building conversion in North America.

Judges' Choice: Environmental Impact

MilliporeSigma – Greener Products & Solutions to transform the life science industry

Judges' Choice: Software Implementation

Cority Software Inc. – Environmental & Waste Implementation Project with Shell

Energy Innovation

Caelux Corporation – Caelux One

CyrusOne – Reducing Our Climate Impact with Computational Fluid Dynamics

DSD Renewables – 24 MW Solar & Storage Portfolio for Bishop Ranch

ForeFront Power – Fresno USD Solar + Storage Portfolio

ForeFront Power – Tracy USD Solar + Storage Portfolio

Pearl Homes – Hunters Point Pearl Homes & Marina

Schneider Electric – Schneider Electric EcoStruxure™ Energy Hub

Schneider Electric – Yokota Air Force Base

Trane – New Mexico State Buildings Green Energy Project

Trina Solar – Waterloo Terrace Project

Wärtsilä – A.J. Mihm Power Plant Hydrogen Fuel Test Project

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2024 TOP PROJECTS

Environmental Impact

4AIR, LLC – Sustainable Aviation Solutions

Aqua Metals – AquaRefining EV Battery Metals Recycling

Aramco - Northern Area Gas Producing Department (NAGPD) – NAGPD's Progressive Step Towards the 2050 Net Zero Emission Pledge

Aramco - Safaniya Offshore Producing Department (SOFPD) – SOFPD Journey Towards Excellence In Implementing The Energy Management Program (EMnP)

Carrier Global Corporation – A Large Banking Company Achieves its Sustainability Goals

Catalyze – Amherst Community Solar Farm

CyrusOne – Our Portfolio-Wide Circular Economy Strategy

ev.energy – How ev.energy helped turn the Big Apple green

Mast Reforestation – Regrowing fire-affected forests with new technology and supply chain innovation

Montrose Environmental & CTEH, a Montrose Environmental Group Company – Reclaiming Abandoned/Orphan Wells: Methane Mitigation and Environmental Restoration

Peterbilt Motors Company – Zero Waste to Landfill

Pivot Bio – The Pivot Bio N-OVATOR Program

Saudi Aramco – Revolutionary Chemical Free Elemental Analyses of water samples with Rotating Disc Electrode Spectrometer

Tasman Environmental Markets – Laos Induction Cookstove project

Western Digital – Western Digital Sustainability Lighthouses

Continued on p.10



2024 TOP PROJECTS

Software Implementation

American Tire Distributors – ATD's CO2 AI

CyrusOne – Customized Customer Sustainability Reports

Redaptive – WPT Capital Advisors & Redaptive Metering Program + Software Implementation

Saudi Aramco – Log AutoQC



Environment
+ Energy
LEADER

TOP PRODUCT

**JUDGES'
CHOICE**

AWARD WINNERS

ALLONNIA

ALLONNIA 1,4 D-STROY



WHAT THE JUDGES SAID...



The Allonnia 1,4 D-Stroy easily integrated with other forever chemical destruction, creating a closed-loop system that can detect, distill, and destroy harmful contaminants. This solution can be utilized by many companies and municipalities.”

Allonnia is a biotech company (and Ginkgo Bioworks spinoff) developing and deploying natural and biological solutions – like foam fractionation and microbes – to address the world’s toughest environmental challenges.

Allonnia launched its 1,4 D-Stroy™ in situ bioremediation solution in 2023. 1,4 D-Stroy is capable of degrading 99% of 1,4-dioxane, a “forever chemical”, in contaminated groundwater. Amid increasing regulation, the technology is designed to remediate 1,4-dioxane in myriad situations, from contaminated industrial sites to

municipal drinking water challenges, providing a safe, affordable, and natural approach for eliminating this prevalent contaminant.

1,4 D-Stroy utilizes highly specialized microbes that break down 1,4-dioxane into water and carbon dioxide as the only byproducts. Unlike other systems, 1,4 D-Stroy requires no capital investment, has low operating costs, and can scale to match the size of the contamination. The solution has been successfully deployed at several sites across the U.S. 🌿

FLOR CARBON NEGATIVE AREA RUGS



WHAT THE JUDGES SAID...

“ Outstanding product offering with clear sustainability benefits. Greatly appreciate the consumer work to understand the market and the educational materials across the product life cycle.”

FLOR®, the specialty design brand of Interface®, has brought high-end area rugs to homes, offices, and every space in between since 2003. The brand recently introduced the first-ever carbon negative area rugs. The three cradle-to-gate carbon negative area rug styles – Peninsula, Stratosphere, and Hemisphere – take cues from nature and its forms, evident in their design and ability to store more carbon than they release.

Not only are these rugs the first of their kind, but they are one of few interior products that help consumers lower their climate

impact by taking carbon sequestered from the atmosphere and using it to create beautiful, innovative rug styles for the home.

This collection continues FLOR’s commitment to support the sustainability of the planet and is proof that it sees carbon as a resource and an opportunity to engineer better products that go beyond carbon neutral and work toward a cleaner, greener tomorrow. 🌱

BUILDING TRANSPARENCY EMBODIED CARBON IN CONSTRUCTION CALCULATOR (EC3)



STATISTICS									
Product EPDs: 12071		Achievable: 254 kgCO2e		Average: 323 kgCO2e (+38.4%)		Compressive: 398 kgCO2e		Converted per: 1kg	
INDUSTRY EPDS									
Manufacturer	Product	Compressive (psi)	Weight (kg)	CO2e (kg)	CO2e (kg)	CO2e (kg)	CO2e (kg)	CO2e (kg)	CO2e (kg)
Concrete	Hooker Creek Compa...	Bend	409422N	Slab Concrete	4000 psi	496 kgCO2e			
Concrete	Stoneway Concrete	Seaside	413185M	Marine Concrete with...	4000 psi	322 kgCO2e			
Concrete	Stoneway Concrete	Black River	FELC46	Self Compacting Conc...	8000 psi	278 kgCO2e			
Concrete	Stoneway Concrete	Seattle	SLCC-6	Self Compacting Conc...	6000 psi	321 kgCO2e			
Concrete	BURNCO Concrete	Windsor	4093004G	Interior Concrete	4000 psi	258 kgCO2e			
Concrete	BARREN Concrete	Howell	180115Z	2004 - 2005 LEAN C...	2000 psi	283 kgCO2e			
Concrete	Eastern Concrete	Houston	18001801	PERVIOUS CONCRETE	3000 psi	409 kgCO2e			
Concrete	Central Concrete	Birds	40825	4.0 SK 1/2" LEAN CO...	2500 psi	186 kgCO2e			
Concrete	Central Concrete	Birds	40801	4.0 SK 1/2" LEAN CO...	2500 psi	241 kgCO2e			
Concrete	Eastern Concrete	Regina	17001100	PERVIOUS CONCRETE	1800 psi	267 kgCO2e			
Concrete	Caplan Inc	Redmond	SP5H488	5k @ 36 Day MASS C...		181 kgCO2e			
Concrete	Caplan Inc	Seaside	SP5H488	5k @ 36 Day MASS C...		185 kgCO2e			
Concrete	Caplan Inc	Say Rev	SP5H488	5k @ 36 Day MASS C...		174 kgCO2e			
Concrete	Eastern Concrete	Broadway	15001500	PERVIOUS CONCRETE	3000 psi	283 kgCO2e			
Concrete	Hooker Creek Compa...	Bend	305F420A	Residential concrete	5000 psi	274 kgCO2e			
Concrete	Hooker Creek Compa...	Bend	305F420A	Residential concrete	5000 psi	279 kgCO2e			
Concrete	Hooker Creek Compa...	Bend	409F420A	Residential concrete	4000 psi	324 kgCO2e			
Concrete	Barren Concrete	Regina	US111509	3500 PSEVIOUS C...	3000 psi	357 kgCO2e			

WHAT THE JUDGES SAID...

“The creators of this platform have planned ahead and, even in its inaugural stage, have provided a robust database. There are options for users to dissect and personalize their data searches. This results in an application that provides real data to make informed decisions.”

According to Architecture 2030, the architecture, engineering, and construction (AEC) industry today is responsible for nearly 42% of global greenhouse gas emissions. To effectively reduce the embodied carbon of our buildings at scale requires an open-access tool to inform construction material assessment and procurement decisions. Enter the Embodied Carbon in Construction Calculator (EC3).

Hosted and maintained by nonprofit Building Transparency, EC3 is a free, easy to use tool housing building material quantities from construction

estimates and/or BIM models and a robust database of 139,000+ digital, third-party verified Environmental Product Declarations (EPDs). It is the only free and open-access global embodied carbon accounting tool and database, with 46,000+ registered users in 77 countries. Using the EC3 database, the AEC industry can reduce its embodied carbon emissions and impact on the built environment by comparing, specifying, and procuring lower-carbon materials and incentivizing manufacturers of high impact materials to decarbonize their manufacturing processes. 🌱



Environment
+ Energy
LEADER

TOP PRODUCT WINNERS

▶ **Business + Infrastructure**



ENERGY AS A SERVICE FOR PROFITABLE AND SUSTAINABLE OUTCOMES



WHAT THE JUDGES SAID...

“It was exciting to read the case study at Dunkin’ Donuts in Texas, where they reduced energy costs by \$1000 per month, led to temperature stability, and improved product life and taste. A real benefit of the return on investment is that the user does not have to make large up-front investments but can use the realization of savings to pay for the investment.”

Budderfly, ranked as one of the fastest-growing Energy as a Service (EaaS) companies in the United States, is the premier sustainability partner for businesses, including restaurant and retail franchises, healthcare facilities, fitness centers, schools, and more. Budderfly installs, monitors, and manages a combination of patented technologies, high-efficiency equipment, and proprietary energy software for its customers at no out-of-pocket cost. The company’s in-house expertise and growing tech-enabled capabilities drive maximized and long-

term positive outcomes for customers. Businesses benefit from lower energy bills, a reduced carbon footprint, more reliable operations, and an improved customer and employee experience.

As of January 2024, for Budderfly’s 5,287 current customer sites, over 1.6 billion kilowatt hours (kWh) of energy savings will be realized by the midpoint of their contracts, averting over 1,231,429 metric tons of carbon emissions or the equivalent of removing 274,030 gas-powered vehicles from roadways for one year. 🌱

EVLO



WHAT THE JUDGES SAID...

“ The EVLO BESS is a turnkey system that prevents power interruptions and will likely become a primary tool in managing and protecting the grid system.”

EVLO Energy Storage is a fully integrated battery energy storage system provider that partners with customers, utilities, and communities to build a cleaner, more resilient energy future. Borne from decades of research and development in battery technology, EVLO’s world-class solutions and comprehensive services are delivered by a team of industry experts who are passionate about building safe and reliable systems from the ground up. EVLO’s energy storage solutions deliver superior performance with industry-leading safety features tailored to the needs of each project.

The groundbreaking project in Parent, Quebec, showcases EVLO’s

commitment to community resilience. By deploying a 4-MW / 20-MWh battery energy storage system (BESS), EVLO ensured an uninterrupted power supply for the remote village during critical transmission work, reducing reliance on fossil fuel generators and cutting greenhouse gas emissions significantly. The project continues to support grid resilience as an auxiliary source of electricity during outages and to offset peak grid demand. EVLO will automate the transition from grid forming to island mode, making the Parent BESS North America’s first fully automated, utility-scale battery used for transmission-level backup power. 🌿

LATTICE SEMICONDUCTOR LATTICE AVANT FPGA PLATFORM



WHAT THE JUDGES SAID...

“ This is an excellent technological breakthrough and has great environmental benefits in the FPGA market through energy efficient design, a smaller size that eliminates e-waste in manufacturing, and its flexibility through integration and programming logic.”

As the low power programmable leader, Lattice Semiconductor creates flexible, low power, and small form factor semiconductors called field programmable gate arrays (FPGAs). The Lattice Avant™ FPGA platform extends our low power FPGA leadership across diverse markets like Communications, Computing, Industrial, and Automotive and is built to address growing customer demand for mid-range FPGA solutions with modern features,

power efficiency, and compact size, empowering system architects to take their designs to the next level. Offering class-leading features and up to 2.5X lower power consumption compared to similar devices, Lattice Avant promises significant energy savings over a decade. This savings is equivalent to powering 25,000 households yearly based on a 30-kilowatt hours/day model. 🌿

RODAN ENERGY SOLUTIONS UPS + BESS FOR INDUSTRIAL/ MANUFACTURING FACILITIES




WHAT THE JUDGES SAID...

“ These systems developed by Rodan offer companies a proven way to address a more secure and reliable electric power supply during periods of peak demand. Such systems will provide substantial benefits such as lower energy and operational costs, reduced GHG emissions, improved reliability, increased capacity, lower energy consumption, and reduced grid dependency.”

Rodan Energy is a leading North American developer and operator of distributed energy resources (DERs). We deliver energy optimization, demand response, energy intelligence and metering solutions for large energy users, producers and distributors.

Rodan Energy supported the implementation of an advanced power quality and energy storage system for Agnora, a leading architectural glass manufacturer. The solution provides 24/7 power quality, energy backup, and revenue-generating market participation. The system combines a 2.4MVA online uninterruptible power supply (UPS) and a 2.4MW/2.1MWh

battery energy storage system (BESS) to ensure clean, consistent power through double conversion and operational independence from the grid, minimizing sensitive equipment disruptions. Rodan’s Energy Optimization System and Real Time Operations Centre ensures active participation in Ontario’s energy programs, generating revenue, reducing energy costs, and bolstering the grid’s stability. This strategic integration supports the project’s financial viability while promoting sustainable energy management.

Rodan Energy Solutions is making sustainable, attainable through innovative energy solutions. 

SPX COOLING TECH, LLC MARLEY® WATERGARD™ WATER-SAVING FILTRATION SYSTEM FOR EVAPORATIVE COOLING PRODUCTS




WHAT THE JUDGES SAID...

“ This is a great innovation as it will help with water and energy efficiency, which I am excited about. It will save on water treatment chemical costs, another expensive issue.”

A unique, water-saving filtration system for evaporative cooling products, Marley® WaterGard™ physically blocks and rejects minerals commonly found in municipal water streams (chlorides, calcium carbonate, silica, etc.), reducing makeup water mineral content and increasing operating cycles of concentration (COC), resulting in reduced volume requirements for both blowdown and supply water.

The WaterGard filtration system can reduce water usage up to 59% and wastewater up to 88% onsite, while reducing the discharge loss of water treatment chemicals. In the end, WaterGard is the most viable solution for operators and engineers with plans to conserve water in their evaporative cooling or refrigeration systems.

Marley® WaterGard™ is available in multiple sizes now for North American projects. For more information, visit spxcooling.com/WaterGard. 

VACUMAX™ VACUUM INSULATING GLASS (VIG) BY VITRO ARCHITECTURAL GLASS



VacuMax™ VIG dons the newly renovated Hugel Welcome Center in Markle Hall on the campus of Lafayette College in Easton, PA. It's the first project in the U.S. to feature VacuMax™ VIG by Vitro Architectural Glass. (Photography: Jim Cunningham)


WHAT THE JUDGES SAID...

“ VacuMax VIG represents a marked technological improvement for energy-efficient glazing. Its potential to significantly reduce building energy consumption makes it a compelling solution as we strive towards net-zero goals. The emphasis on scalability and refinement may help Vitro propel adoption.”

VacuMax™ VIG by Vitro Architectural Glass is a highly versatile product that delivers center-of-glass (COG) R-values of R14+, rivaling the thermal performance of traditional walls.

VacuMax™ VIG units consist of two fully tempered lites of glass separated by a non-lead metal seal and a vacuum air space. The unit's slim construction and light weight allow them to be incorporated into virtually any traditional glazing system and significantly improve thermal efficiency, delivering insulation

performance that is two to four times better than conventional insulating glass and up to 14 times better than standard monolithic glass.

Compared to other VIG products, *VacuMax™ VIG* has an exceptionally long life and delivers superior resistance against thermal expansion or contraction caused by extreme indoor/outdoor temperature differences. *VacuMax™ VIG* units are the ultimate in thermal glazing, providing energy savings and reduced carbon emissions. 



Environment
+ Energy
LEADER

TOP PRODUCT WINNERS

▶ **Consumer + Residential**

HUBBELL INCORPORATED

HUBBELL LEVEL-2 EVSE WITH INTEGRATED REVENUE GRADE METROLOGY



WHAT THE JUDGES SAID...

“ Really interesting solution to help utilities control better the EV charging experience. A wonderful example of sustainable innovation.”

Hubbell is an American company that designs, manufactures, and sells electrical products for residential, commercial, industrial, and utility applications. We have leveraged the technology from our Aclara® electric meters and integrated that metrology into an EVSE in a single form factor that utilities can easily provision on their existing, secure AMI communications networks.

Our solution enables utilities to have real time visibility and control over EV charging to reduce pollution (off peak charging when cleaner generation assets are available), protect existing equipment (distribution transformers), and avoid overbuilding distribution systems to serve intermittent and peaky

demand from EVs, which can be easily shifted without impacting the customer.

Our product empowers electric utilities to directly control the EV charging during demand response or peak load shedding events. During these events, the dirtiest, most expensive generation units are deployed and by shifting charging to off-peak times, utilities can not only save money for ratepayers, but defer charging until times when cleaner, base-load generation units have the capacity to serve this load.

From a design perspective, we deliberately avoided utilizing bonded components or fused materials, where possible, to ensure ease of recyclability at the products end of life (which is estimated to be 15+ years). ♻️

PROCTER & GAMBLE CASCADE PLATINUM PLUS



WHAT THE JUDGES SAID...

“The green chemistry formula used for this product is truly innovative, which appears to have been a long time in the making. This makes it stand out in the consumer product market for dish detergent.”

Cascade Platinum Plus, a new innovation 3 years in the making from P&G, maker of Cascade, allows people to skip the prewash even for dishes with dried-on food or burnt-on messes.

The Cascade Platinum Plus Dishwasher ActionPacs feature two times the grease-fighting power of Dawn, with hard-working scrubbing and rinsing built in. Innovation includes a 40% larger liquid top for more cleaning power than regular Cascade Platinum ActionPacs. The

water savings are significant as people can confidently skip the pre-rinse, soak and scrub and trust that the dishwasher – the more energy- and water-efficient way to wash dishes if one must clean more than eight items – will do its job. 🌿

TIM HORTONS

25% POST-CONSUMER-RECYCLED POLYPROPYLENE (RPP) LIDS



Tim Hortons

WHAT THE JUDGES SAID...

“ The lid design is very usable to include the resealable tab, stackable design, and sustainability by using recycled polypropylene lids, which also improves guest experience with a stronger cup-lid snap.”

The Tim Hortons Grey Lid project is our first to use food-grade post-consumer recycled polypropylene in single-use packaging. By developing these grey lids with 25% PCR polypropylene – which gives their grey coloring – we can use the learnings to continue to develop and advance circular packaging solutions for guests across Canada, reducing the use of virgin materials and driving demand for post-consumer materials. Through extensive in-lab testing, and millions of guests trying the lids in our restaurants,

we’ve been able to demonstrate that we can add post-consumer material while maintaining our key quality and guest satisfaction scores.

In our first trial of the lids, we decided to lean into the colour change and brought the lids to Saskatchewan during the 105th Grey Cup game in 2022, where we also changed our cups to include grey artwork. We’ve since continued testing across Canada and we’re excited by our progress to develop circular packaging solutions. 🌱



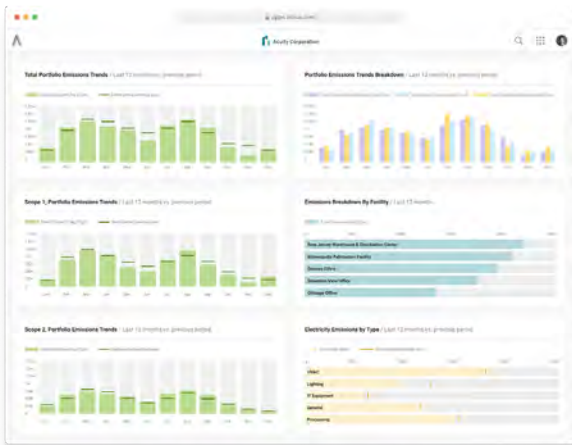
Environment
+ Energy
LEADER

TOP PRODUCT WINNERS

▶ **Software + Cloud**

ATRIUS | ACUITY BRANDS

ATRIUS SUSTAINABILITY




WHAT THE JUDGES SAID...

“ This is an innovative product that enables companies the capabilities to set, monitor and track their sustainability goals and compliant ESG reporting. In addition, it allows users to build on top of their platforms and tailor their applications to track the precise information and monitor precise outcomes.”

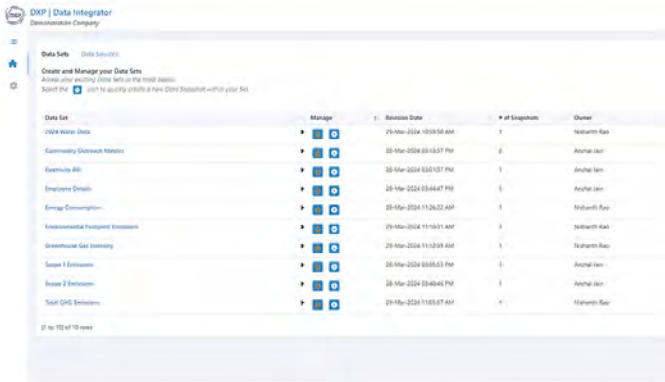
The world’s built spaces account for 40% of global carbon emissions. Atrius Sustainability is a user-friendly solution helping organizations reach their sustainability goals with the use of automated emissions data from their buildings and compliant ESG reporting.

The application provides robust, unrivaled sustainability insights into buildings’ performance, emissions and areas for optimization. This allows organizations to easily collect and act on data across their portfolios and include it in their reporting 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 government contractors.

A free version, Sustainability Starter, is available for SMBs that want to get started on their carbon accounting. The first platform of its kind to release on the market, Starter reduces the costs typically associated with carbon reporting, ultimately making sustainability a more accessible pursuit for all organizations. 

BENCHMARK GENSUITE DXP | DATA INTEGRATOR



WHAT THE JUDGES SAID...

“Users report a strong and responsive support and training ecosystem to guide users when they run into challenges -- which are reported when datasets get larger and more complex.”

Enhance your data integration capabilities with Benchmark Gensuite’s DXP | Data Integrator. Our cutting-edge software streamlines the integration process by automating data management from various sources, internal and external to your organization. Featuring a user-friendly self-service portal, you can effortlessly define and manage data sources while ensuring secure access.

Connect, create, and integrate your datasets with ease, empowering you with control, transparency, and actionable insights for informed decision-making. DXP | Data Integrator serves as a centralized repository for raw data, whether

sourced from business systems or manual processes like spreadsheet updates or word documents.

Experience seamless data transformation and dissemination, enabling smooth transitions into other Benchmark Gensuite tools or business systems. Additionally, leverage advanced analytics capabilities to extract valuable insights from your data, regardless of its origin. Explore the possibilities with DXP | Data Integrator today at benchmarkgensuite.com. 🌿



BIDGELY UTILITYAI



WHAT THE JUDGES SAID...

“ Bidgely’s UtilityAI solution simplifies the abstract, making it incredibly easy for utilities and users to grasp how they are using energy and, most importantly, how they can make the most meaningful and impactful changes to energy consumption.”

Utilities are navigating an era where growing adoption of solar, electric vehicles, and decarbonization goals has created a new paradigm between supply and demand.

Harnessing data analytics and AI, Bidgely’s UtilityAI™ Platform provides utilities with behind-the-meter intelligence that improves grid management and enhances customer engagement. With a deeper understanding of how energy moves along the grid in real time, utilities can make smarter use of today’s grid infrastructure while empowering consumers to make more energy efficient decisions.

Bidgely’s platform uniquely eliminates the costs and barriers of installing monitoring hardware in the home and instead leverages existing meter data to identify exactly how energy is being consumed within each household and business – down to the minute and by appliance.

As the grid continues to grow more complex in the years and decades ahead, Bidgely’s highly-scalable UtilityAI Platform is designed to simplify grid management and accelerate a clean energy future. 🌱

BLR'S EHS HERO



WHAT THE JUDGES SAID...

“Managing regulatory and compliance information can be complicated and is ever-changing. BLR's EHS Hero platform helps users manage this information more streamlined, lessening the bureaucratic burden and freeing up time to implement responsive changes.”

EHS Hero® by BLR is built to solve compliance and risk management challenges for EHS professionals. Its comprehensive compliance content, insights, and EHS management workflow modules track leading and lagging indicators, providing risk analysis, procedural guidance, engagement, and hazard prevention solutions. EHS Hero's tools are designed by former EHS professionals, ensuring a unique blend of features and capabilities that are easy to use and talk to one another. This makes it simple for EHS professionals to start and complete tasks in one interface.

EHS Hero offers a comprehensive and proactive approach to managing Environmental, Health, and Safety (EHS) challenges for companies. Their platform provides real-time compliance content and insights, along with EHS management workflow modules. This enables EHS professionals to make more informed decisions about their risk management strategies and create safer workplaces. With EHS Hero, companies can effectively manage complex and multifaceted compliance and risk challenges. 🌿

CARRIER GLOBAL CORPORATION THE CORTIX PLATFORM, PART OF CARRIER'S ABOUND SUITE OF SOLUTIONS



WHAT THE JUDGES SAID...

“ Through continuous monitoring and AI-driven scenario libraries, the CORTIX platform enables proactive maintenance strategies, reducing downtime and optimizing asset lifespan.”

The CORTIX platform is an Artificial Intelligence (AI) and Internet of Things (IoT) platform that offers predictive insights, prescriptive recommendations and autonomous actions to improve equipment performance, maintenance and operations, for improved energy efficiency. The platform is technology-agnostic and can offer insights on 25 categories of equipment typically found in commercial buildings.

The key innovative elements are:

- 1) It has a self-learning AI engine
- 2) It is one of the first (circa 2020) in our industry to offer recommendations in Natural Language.

- 3) It has an integrated intuitive user interface for different workflows used by multiple stakeholders involved in equipment O&M.
- 4) It provides prioritized and optimized worklists to achieve both proactive maintenance and energy efficiency goals together, with the use of minimum resources.

The CORTIX platform enables businesses such as multi-site retailers to

- a) save energy
- b) increase equipment life by preventing costly failures and
- c) reduce field visits. 🌿

CONVERGENT ENERGY AND POWER

PEAK IQ®



WHAT THE JUDGES SAID...

“Convergent’s PEAK IQ solution helps large commercial and industrial facilities minimize carbon footprint and lower energy waste and costs. It’s forecasting not only reduces pound-for-pound CO2 emissions but translates into clear and categorical savings.”

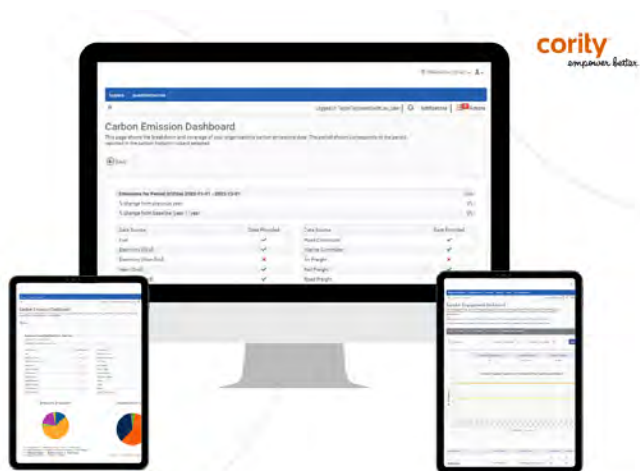
Convergent Energy and Power (Convergent) is a leading provider of energy storage solutions in North America. Convergent has over a decade of experience financing and managing all aspects of the energy storage development cycle to help customers reduce electricity costs, improve sustainability, and increase reliability.

A battery energy storage system needs to be actively managed—and monitored—to deliver optimal performance. Convergent’s PEAK IQ® energy storage intelligence is creating maximum value for customers. Convergent has saved businesses

up to 40% off their electricity bills and deferred multimillion-dollar infrastructure upgrades for utilities with PEAK IQ®. PEAK IQ® uses state-of-the-art machine learning, artificial intelligence, and advanced analytics to make data-driven decisions about when and how to dispatch energy storage for optimal value creation.

The more renewable energy on the grid, the better—but these resources only produce power when the sun is shining, or the wind is blowing. Energy storage is the linchpin of the clean energy transition. 🌿

CORITY SOFTWARE INC. FUJITSU'S SCOPE 3 EMISSIONS REPORTING



WHAT THE JUDGES SAID...

“ Many companies are struggling with measuring Scope 3. Engaging suppliers methodically and productively is a key challenge. This solution with Fujitsu is a very good approach that appears to have been successful and instituted a continuous improvement process.”

How Cority's Supply Chain Sustainability solution has enabled Fujitsu's Scope 3 emissions reporting

This award specifically recognizes Fujitsu, a leading Japanese ICT company, and Cority's collaboration to advance Fujitsu's Scope 3 emissions reporting and supply chain sustainability. To reach its new ambitious Net Zero targets, leading global IT technology company Fujitsu needed to accurately assess its Scope 3 baseline. To achieve this, Fujitsu implemented Cority's Supply Chain Sustainability solution and gathered ESG data from its top 1000 suppliers,

accurately calculating GHG emissions and each supplier company's footprint using Cority's GHG Wizard tool.

Using Cority's solution, Fujitsu has engaged directly with its top 1,000 suppliers, collected data and modelled full Scope 3 supply chain emissions. Through this solution, Fujitsu has been able to engage its supplier network in GHG emissions reporting and collaborate with them on emissions reduction. Understanding Fujitsu's supply chain emissions for the first time has enabled Fujitsu to begin to work in partnership with its supply chain to begin a partnered journey to Net Zero. 🌱

ECOBOT




WHAT THE JUDGES SAID...

“ Ecobot is a simple-to-use yet robust set of tools (Collector and Manager) that makes life easier for environmental consultants, those on the field, and those in the office.”

The Ecobot cloud and mobile platform streamlines environmental assessments for wetlands and streams and enables long-term, large-scale monitoring and analyses, unlocking the potential for leveraging invaluable environmental permitting data. This data has historically been grossly underutilized: either siloed within departments and across organizations or discarded after permitting.

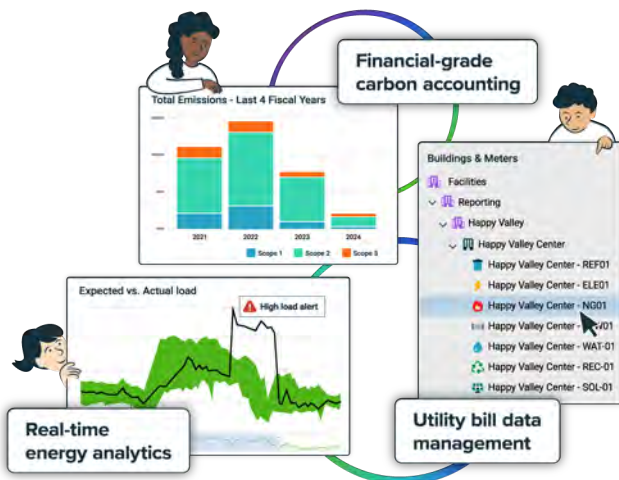
Ecobot has been used by thousands of scientists across the country to complete more than 140,000 environmental regulatory reports for projects including a multi-state carbon capture pipeline, a state-wide

power grid update, dozens of utility-scale solar projects, and more.

Ecobot reduces human error and increases the speed of environmental reporting with built-in automations and efficiency tools, enabling scientists and decision-makers to make informed decisions that promote sustainability and protect our natural resources. Standardized data collection enables large-scale, actionable sustainability analyses. Ecobot customers say the platform is set apart by its intuitive, workflow-oriented interface and evolution driven by customer feedback and regulatory changes. 

ENERGYCAP, LLC

ENERGYCAP SOFTWARE SOLUTION SUITE



WHAT THE JUDGES SAID...

“Moving away from spreadsheet-based tracking and manual data entry towards a streamlined system of reports, alarms, dashboards, and project management tools represents a significant leap forward for organizational efficiency.”

EnergyCAP, the leading energy and sustainability ERP, has been a trusted source for managing energy data for over forty years. EnergyCAP’s comprehensive suite of solutions provide immediate access to actionable and reliable data for better energy and sustainability decisions. Users can effectively manage resources, reduce carbon, and achieve significant cost savings. The platform offers both bundled and à la carte options to suit varying needs, ensuring scalability and robust support for all users.

EnergyCAP Utility Management (EUM) offers top-tier utility

bill management and portfolio-level reporting, which can be paired EnergyCAP Bill CAPture for streamlined utility bill data integration. EnergyCAP Smart Analytics enables real-time insights for quick, informed decision-making toward high-performance, net-zero buildings. CarbonHub provides a holistic view of scope 1, 2, and 3 carbon emissions for comprehensive GHG reporting. Serving thousands of public and private organizations, EnergyCAP is synonymous with energy efficiency, utility cost reduction, and sustainability. 🌿

GRIDBEYOND



WHAT THE JUDGES SAID...

“ GridBeyond's AI-driven tools have the potential to become the all-seeing eye of the energy sector, unlocking huge optimization opportunities for asset owners and energy users.”

GridBeyond envisions a future where we work with our customers to unearth the full potential of energy assets, crafting sustainability, resilience, and affordability to steer the course towards a zero-carbon future.

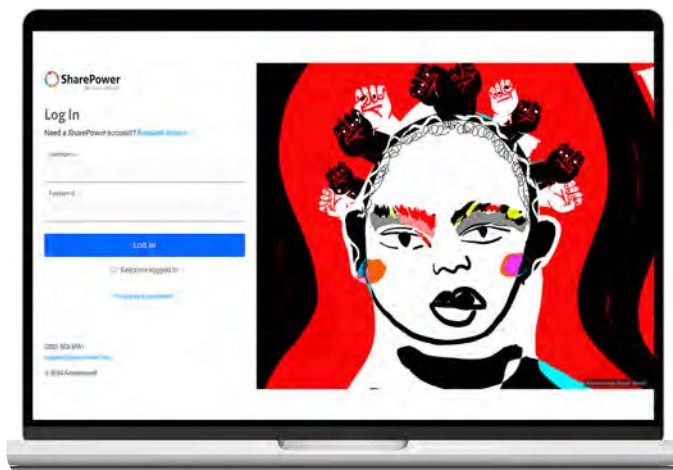
By bridging the gap between distributed energy resources and the intricacies of electricity markets, our technology unlocks the latent power within every connected asset.

GridBeyond's AI-powered Point platform for managing distributed and flexible energy resources is split into 3 distinct areas: TouchPoint,

CentrePoint and ViewPoint. Through this platform, businesses can optimize the use of their renewable assets and process and operational flexibility, generating revenues and savings, reducing carbon emissions and delivering energy supply security.

The innovation of GridBeyond's intelligent energy technology platform, Point, lies in its ability to combine access to the most advanced energy market solutions and services in one place. This includes access to the most profitable balancing services market. 🌿

GROUNDSWELL, INC. SHAREPOWER BY GROUNDSWELL, INC.



SharePower is Groundswell’s proprietary customer management platform, combining a custom-designed user interface with the security and scalability of an enterprise CRM solution on the backend. The platform streamlines and synchronizes the various data flows in managing the full life cycle for low- and moderate-income (LMI) community solar subscriptions by including a business Intelligence portal for project owners, a customer-facing dashboard for subscribers, and an administrative portal for internal subscription management. Key features include streamlined and efficient data

WHAT THE JUDGES SAID...

“ This platform challenges traditional barriers to solar energy access, aiming to make clean energy available to all by targeting diverse customers, from DC Metro to nationwide, countering prohibitive costs, thus enabling income-qualified households and disadvantaged communities to afford clean energy.”

management, secured data storage, and auto-generated and distributed subscriber communications.

The platform has challenged traditional norms where solar energy is only available for the wealthy or large corporations by advancing access to affordable clean energy for more than 6,500 income-qualified households. SharePower subscribers have received more than \$6.8 million in clean energy savings; their subscriptions have collectively prevented about 46,187 metric tons of carbon dioxide pollution to date. ♻️

INTELEX

CORPORATE REPORTING FOR ESG



WHAT THE JUDGES SAID...

“Intelex’s long and storied experience in EHS and sustainability management, including reporting, has enabled it to bring a very mature, comprehensive ESG reporting tool to market.”

As a global leader in environmental, health, safety, and quality (EHSQ) management software, Intelex’s scalable, web-based platform and applications are instrumental in enhancing customer business performance, mitigating organizational risk, and ensuring compliance with internationally accepted standards and regulatory requirements.

Intelex’s Corporate Reporting for ESG application is a comprehensive tool that offers unparalleled ways to store, analyze, and report information for a variety of organizational needs across multiple industries. Highly scalable, the single solution

can be customized according to specific business requirements and developing ESG and EHSQ maturity.

The Intelex tool utilizes cutting-edge data warehouse technology to produce real-time data analytics – streamlining the collection, aggregation, and analysis of diverse data to empower organizations in ESG performance assessment, improvement, stakeholder reporting and risk mitigation.

Intelex’s Corporate Reporting for ESG is a comprehensive solution providing a unique advantage for businesses seeking adaptable ESG software that meets evolving internal and external needs. 🌿

MONTROSE ENVIRONMENTAL SENSIBLE EDP POWERED BY MONTROSE ENVIRONMENTAL GROUP



An Integrated, Holistic Solution



- Be a Good Neighbor
- Avoid Fines & Unexpected Costs
- Achieve Operational Excellences

WHAT THE JUDGES SAID...

“ EDP’s platform is an excellent tool for aggregating data from multiple sources with real-time notifications. With four decades of experience behind it, the company also stays on top of emerging regulatory requirements.”

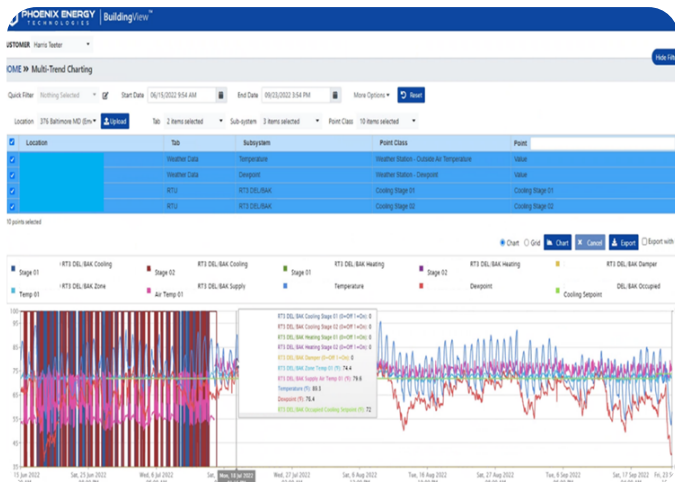
Industries, environmental agencies, and communities often struggle to monitor and manage environmental data. For far too long, data collected has resided in multiple locations, making it time intensive and difficult to analyze. This has prevented environmental data from being monitored in real time and has posed challenges for regulatory compliance.

Sensible EDP™, powered by Montrose Environmental Group, revolutionizes the way environmental data is managed and monitored through its proprietary online platform that

aggregates, calibrates, and visualizes environmental data in real-time, with continuous monitoring.

This cloud-based software solution advances sustainability, energy efficiency, and operational excellence by capturing and processing environmental data from nearly any air, water, and soil sensor around the world, allowing organizations to monitor all their environmental data within a single platform. 🌿


PHOENIX ENERGY TECHNOLOGIES ENTERPRISEDX FOR GROCERY



WHAT THE JUDGES SAID...

“Phoenix’s EnterpriseDX Platform for Grocery generates clear ROI for customers by finding efficiencies and opportunities for optimization in a critical sector while supporting carbon reduction and sustainability programs.”

Phoenix Energy Technologies presents EnterpriseDX® for Grocery, an innovative solution reshaping sustainability and operational efficiency in retail. Seamlessly integrating with existing systems, the IoT platform delivers real-time visibility into asset performance, prioritizing energy efficiency and proactive maintenance. Achieving an outstanding 300-400% ROI, the tailored engineered savings standards ensure substantial cost savings. Additionally, the solution streamlines operations, reducing truck rolls, enhancing data accessibility, and optimizing work order processes. Notably, significant strides have been

made in environmental stewardship, removing nearly 100,000 Metric Tons of Carbon through kWh reduction. The approach incorporates cutting-edge features such as remote commissioning of HVAC and continuous monitoring enhancements, addressing challenges in connectivity and resource limitations. Amidst a competitive landscape, the comprehensive solution stands out for its proven results and commitment to customer success. Compatible with diverse platforms and offering robust data analysis capabilities, EnterpriseDX® empowers retailers to drive sustainable growth while maximizing operational excellence. 

ZEIGO BY SCHNEIDER ELECTRIC



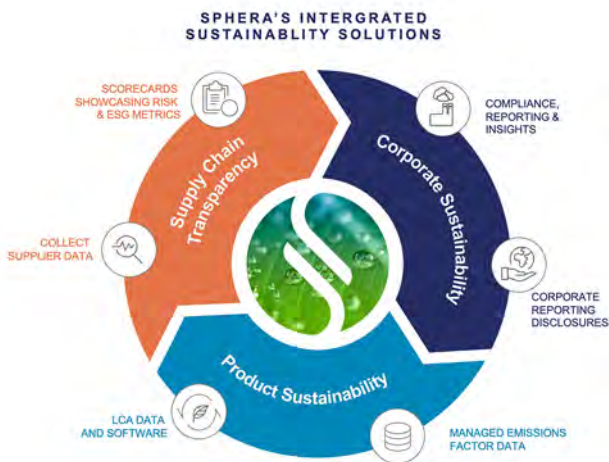
WHAT THE JUDGES SAID...

“ Zeigo demonstrates a strong commitment to innovation, users, and effectiveness in addressing the challenges of sustainability software. With its comprehensive suite of solutions, expert guidance, and emphasis on education, Zeigo is well-positioned to drive meaningful impact and empower organizations in their sustainability journeys.”

Zeigo accelerates sustainability efforts for organizations of all sizes, helping companies take tangible actions to decarbonize. Whether businesses have defined climate goals or are just starting their sustainability journey, the Zeigo software suite empowers its users to reduce energy consumption and emissions. Zeigo’s comprehensive and inclusive approach to sustainability software sets it apart as an innovative solution, poised to drive meaningful environmental impact across a diverse range of businesses.

Backed by Schneider Electric, Zeigo leverages decades of sustainability expertise and a track record of successfully executing decarbonization strategies. This wealth of knowledge uniquely positions Zeigo to guide companies in transforming ambitious sustainability goals into actionable results. Zeigo remains adaptable, user-centric, and strategically positioned in the competitive landscape of sustainable solutions. 🌱

SPHERA SPHERACLOUD INTEGRATED SUSTAINABILITY



WHAT THE JUDGES SAID...

“ By leveraging Sphera’s Integrated Sustainability platform, companies have achieved significant cost savings, emissions reductions, streamlined processes, and minimized risks, likely contributing to a safer, more sustainable, and productive world.”

Transparency is paramount to the success of sustainability objectives. The SpheraCloud Integrated Sustainability platform goes beyond simple data collection and calculations, providing the tools that unlock supply chain transparency, drive meaningful sustainability progress and build stakeholder trust while managing compliance and regulatory reporting. The platform features a responsive, configurable and intuitive cloud-based user interface that enables measurable, actionable and auditable results.

Facilitate collaboration from multiple stakeholders to help product, supply chain, finance and sustainability teams to:

- Navigate the complex data collection, assessment and reporting responsibility for Scopes 1, 2 and 3.
- Respond to a multitude of reporting frameworks and regulations.
- Enable buyers and suppliers to collect data for Scope 3 emissions reporting and identify potential ESG risks.
- Access the largest industry-based, annually updated LCA database verified by DEKRA.
- Quantify the environmental footprint of product portfolios in a fraction of the time it takes to conduct LCAs product by product. 🌿

UPLIGHT EV BUNDLED INSTALL



WHAT THE JUDGES SAID...

“By offering a one-stop-shop solution, Uplight could significantly lower the barrier to EV ownership and support the broader adoption of clean transportation technologies.”

Uplight’s bundled EV charger installation program with Qmerit addresses the challenge of managing increased electricity demand amid rising EV adoption. By streamlining charger purchases, charger installation, and managed charging enrollments, Uplight removes participation barriers for utilities and customers. Since its launch at SMUD, the program has shown remarkable success, with 99% of EV charger purchases leveraging rebates, leading to a 35x increase in overall purchases. Notably, income-qualified uptake has exceeded expectations, paving the way for an

equitable energy landscape. This innovative approach integrates utility Marketplaces seamlessly by processing rebates at the point of purchase, driving a 3x increase in EV charger sales as well as integrating charger installation with the Qmerit network. Challenges, such as simplifying eligibility requirements, were effectively addressed to enhance customer experience. Comprehensive training and support resources ensure effective utilization, culminating in a delightful customer experience that positions utilities to accommodate the projected surge in EVs in the coming years. 🌱

VELOCITYEHS ENVIRONMENTAL, SOCIAL AND GOVERNANCE (ESG) SOFTWARE



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

WHAT THE JUDGES SAID...

“ The solution prioritizes platform compatibility, ensuring accessibility across various devices and browsers. By accommodating diverse technological environments, the platform fosters seamless integration and user engagement, something that could maximize its utility and effectiveness.”

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). 🌱



Environment
+ Energy
LEADER

TOP PROJECT

**JUDGES'
CHOICE**

AWARD WINNERS

NERVA ENERGY GROUP INC. LARGEST MULTI-RESIDENTIAL SMART BUILDING CONVERSION IN NORTH AMERICA.



REDEFINING MULTI-RESIDENTIAL ENERGY STANDARDS

Delve into the evolution of over **10,000 apartment suites**, now emblematic of energy efficiency and sustainable design. A milestone for eco-conscious urban living and superior building performance.

MILLIONS
In annual utility savings

34% HVAC UTILITY REDUCTION
16% TOTAL PROJECT ROI
36% GHG REDUCTION

DREWLO + **NERVA**
LIFESTYLE APARTMENTS ENERGY

AWARD-WINNING PROJECT



WHAT THE JUDGES SAID...

“An excellent and fully encompassing explanation of the energy sources used, justification for their use, and the ongoing efforts to measure, monitor, and optimize these systems while continuing to study to ‘right size’ and transition to greener alternative energy sources.”

The largest multi-residential smart building conversion in North America.

The overarching objective for this project was ambitious: to engineer, design, and execute a custom energy conservation program that would span across an extensive portfolio of 85+ properties and over 10,000 suites. The goal was to not only enhance energy efficiency but also to usher in a new standard of dynamic building management.

This project has redefined benchmarks for energy performance, achieving

a 16% Return on Investment and a staggering 36% reduction in GHG emissions, figures that were once thought unattainable.

In a world where sustainable practices are no longer optional but essential, this project stands as a beacon of innovation and leadership. It is not just about what has been accomplished; it's about setting a new standard for what is possible. 🌱

MILLIPORESIGMA GREENER PRODUCTS & SOLUTIONS TO TRANSFORM THE LIFE SCIENCE INDUSTRY



WHAT THE JUDGES SAID...

“ The company has made significant efforts to engage a wide range of stakeholders. It is also evident that their engagement activities have a broad reach and impact in life science and STEM education.”

The Life Science business of Merck KGaA, Darmstadt, Germany, which operates as MilliporeSigma in the U.S. and Canada, offers 300,000+ products to impact life and health with science.

Its Greener Products and Solutions program encompasses several industry-first initiatives to minimize environmental impact of scientific research and manufacturing for its business and customers.

The company keeps sustainability at the forefront of each stage of the product lifecycle with its industry-first design for sustainability framework and offers 2,504 greener alternative products—a 34% increase from 2022.

It has also driven improvement in packaging sustainability with 400+ metric tons of packaging savings since 2019. Its proprietary DOZN™ tool, a quantitative green chemistry evaluator, is used by 2,170+ scientists across 78 countries, helping advance greener thinking.

Additionally, demonstrating a commitment to the next generation, its expanded partnership with Beyond Benign, a green chemistry nonprofit, has inspired 834,000+ students to address sustainability through chemistry. 🌱

CORITY SOFTWARE INC. ENVIRONMENTAL AND WASTE IMPLEMENTATION PROJECT WITH SHELL



WHAT THE JUDGES SAID...

“The seamless integration with existing systems, such as logistic systems and waste management tools, showcases Cority’s adaptability and compatibility with diverse environments.”

Shell, a global group of energy and petrochemical companies, has worked with Cority, a leading EHS software provider, to help manage their extensive waste management project via an integrated, configurable and comprehensive SaaS-based solution.

The project’s goal was to standardize waste management practices across Shell’s diverse operations, which previously relied on over 20 different tools, to provide structural alignment and a unified approach. Desired outcomes were the standardization of disparate systems, processes, and data descriptions to enhance benchmarking, centralized reporting, and global comparison.

Implementing Cority’s Waste Management solution provided a configurable and centralized platform to manage waste streams across 7,000+ waste generation locations. The tool’s adaptability enabled its usage in varying contexts, from smaller office settings with limited waste to larger offshore operations with extensive hazardous waste management needs.

The adoption of Cority’s software offered a global view of waste management and facilitated in-depth analysis of data, enabling Shell to gain granular insights and track waste movement throughout its operations. Additionally, Cority’s implementation aligned with Shell’s broader sustainability goals, specifically reduction in waste and advancing waste circularity. 🌿



Environment
+ Energy
LEADER

TOP PROJECT WINNERS

▶ **Energy Innovation**

CAELUX CORPORATION CAELUX ONE



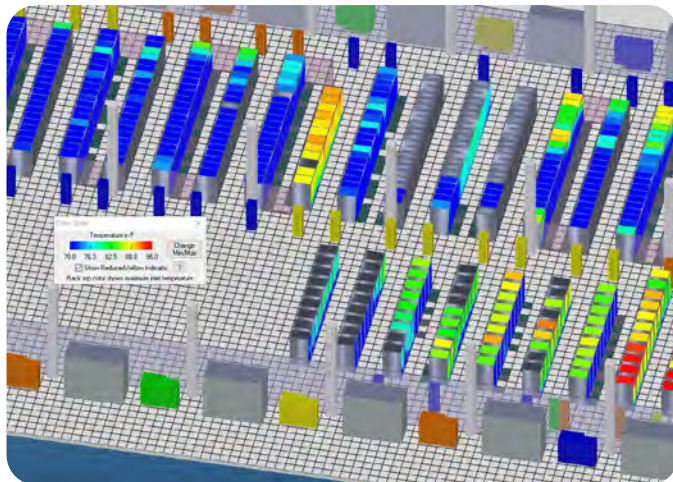
WHAT THE JUDGES SAID...

“ Perovskite formulation absorbs more light than the traditional solar cells. By utilizing perovskite, Caelux’s innovation is expected to enhance the performance of this PV module while reducing installation cost.”

Caelux is at the forefront of the emerging science of perovskites, a special class of nanomaterials. Headquartered in Pasadena, California, Caelux’s proprietary technologies improve the performance of any new crystalline silicon modules by making solar energy more powerful and cost-effective. By integrating its flagship offering, Caelux™ One, into the existing module architecture,

Caelux boosts solar module power production and reduces installed costs. This innovative product integrates seamlessly into existing solar panel manufacturing processes and is positioned to accelerate solar adoption across all markets. 🌱

CYRUSONE REDUCING OUR CLIMATE IMPACT WITH COMPUTATIONAL FLUID DYNAMICS



WHAT THE JUDGES SAID...

“ The ability to use a raised floor design with chilled air in the subfloor appears to allow adequate cooling with lower fan speeds and reduced energy requirements.”

In colocation data centers, customers control servers while operators like CyrusOne manage cooling equipment. Since colocation operators can't precisely predict server cooling needs, they often play it safe by providing more chilled air than necessary, increasing their electricity consumption and impact on the environment.

To address this, CyrusOne innovatively employs Computational Fluid Dynamics (CFD) modeling throughout a data center's lifecycle, allowing them to understand cooling needs for each data hall as conditions evolve. With the help of their engineering

team's expertise, CyrusOne can use the results of CFD modeling to strategically customize equipment settings, optimizing efficiency and reducing electricity consumption.

By reducing their demand for electricity through efficiency measures, they are also improving their PUE, a key metric for measuring data center efficiency. Savings in electricity also mean reductions in carbon emissions, propelling CyrusOne towards their Climate Neutral by 2030 goal. 🌿


DSD RENEWABLES 24 MW SOLAR & STORAGE PORTFOLIO FOR BISHOP RANCH



WHAT THE JUDGES SAID...

“ Projected benefits/outcomes for the project are significant since it will provide clean power to the equivalent of over 2,100 homes annually and substantial reductions in GHG emissions yearly.”

DSD Renewables and Sunset Development Company have teamed up to deploy a 24 MW solar and storage portfolio at Bishop Ranch, a 600-acre mixed-use campus in San Ramon, California. The project is the world’s largest multi-campus solar and energy storage installation, setting a new benchmark for clean energy solutions powering commercial campuses. Deployed in three phases, the portfolio will meet 90% of Bishop Ranch’s energy needs, generating 24.31 GWh of clean energy annually, enough to power over 2,100 homes each year. The project’s integration

into a bustling campus, renowned for its significant concentration of LEED®-certified spaces, further positions Bishop Ranch as a leader in renewable energy adoption. By blending aesthetic architectural design, value, and optimized functionality, the Bishop Ranch solar project not only enhances the site’s sustainable impact, but also highlights the possibilities when it comes to incorporating larger-scale renewable energy solutions within community and commercial infrastructures. 

FOREFRONT POWER FRESNO USD SOLAR + STORAGE PORTFOLIO



WHAT THE JUDGES SAID...

“ The multi-tiered aspect of this project allows several advantages to the project, such as innovatively offering on-site options inclusively as part of the project, such as field arrays and a solar canopy integrated into the parking lots and playgrounds.”

Fresno Unified School District is the third largest school district in California with over 120 different educational facilities from elementary, middle and high schools to magnet schools and other district facilities, serving approximately 70,000 students PreK-12. The annual operating costs of Fresno USD facilities amount to approximately \$25 million in electricity alone. The district wanted to lower these costs by improving energy efficiency across its facilities and decided to pursue and procure a wide-scale solar energy portfolio.

Fresno Unified School District partnered with ForeFront Power, a leading developer and asset manager of C&I solar energy and storage projects, to develop a 17.5 megawatt-DC (MW DC) distributed solar energy and storage portfolio. This portfolio represents one of the largest combined solar energy and battery storage projects on school district property in California and will significantly lower the District’s utility costs while also reducing its carbon footprint. ♻️

FOREFRONT POWER TRACY USD SOLAR + STORAGE PORTFOLIO



WHAT THE JUDGES SAID...

“ Tracy Unified School District's collaboration with ForeFront Power, through a Power Purchase Agreement (PPA), enables cost-effective solar energy development, real-time monitoring, and enhances education while advancing sustainability.”

Tracy Unified School District is the largest of three school districts serving the city of Tracy in California with 20 campus sites containing over 2 million square feet, providing learning environments for over 13,500 students. Tracy's population has boomed in recent years, creating a demand for services seen in more urbanized areas such as EV chargers at school sites. To meet this demand and get ahead of California Energy Code requirements for all new school construction to achieve net-zero energy by 2030, Tracy USD partnered with leading

developer and asset manager of solar energy and storage projects ForeFront Power to develop a 5.3 megawatt-DC (MW DC) distributed solar energy and storage portfolio spanning across 18 various district sites. This portfolio consists of solar canopies equipped with public EV chargers for a total of 60 EV chargers installed districtwide to benefit the local community. 🌿

PEARL HOMES HUNTERS POINT PEARL HOMES & MARINA



A NET-POSITIVE PEARL HOME EXPORTS 8,000 KWH BACK TO THE GRID

1 kWh
Equals the Amount of Energy it Takes to Run A 1,000-watt Appliance for 1 Hour

If a Pearl Home is able to send 8000 kWh for just a single lot back to the grid, that's enough to:

- 01** Power someone's all-day laptop use for 8,000 days or 22 years
- 02** Power a home's AC use for a year
- 03** Cover a home's total electricity use for 266 days a year
- 04** Keep an immersion heater on for 140,000 minutes or 111 days
- 05** Cook in an oven for 240,000 minutes or 4,000 hours
- 06** Keep a fridge freezer on for 24,000 hours or 1,000 days
- 07** Watch a 42" LED TV for 100,000 hours

WHAT THE JUDGES SAID...

“ Hunters Point's innovative approach combines sustainable construction, energy independence, and smart features to create a community that prioritizes both environmental impact and resident well-being.”

Hunters Point is the first and only Net Zero single-family home community in the United States, as recognized by the USGBC. It is one of two LEED Zero housing projects in the entire world. The homes at Hunters Point score a 0 on the Carbon Rating index, indicating that the homes are Zero Carbon. The homes at Hunters Point score a -11 on the HERS Rating index, indicating that these homes actually produce more energy than they consume. Our homes have the capability to run independently without any help from a state-powered

electrical grid. Based on a study we conducted with Florida Solar Energy Center, these homes can generate a net positive percentage between 20% to 57%, meaning each home exported 8,000 kilowatt hours (kWh) back to the grid. In context, 8,000 kWh can power an average home's total electricity use for 266 days. 🌿

SCHNEIDER ELECTRIC ECOSTRUXURE™ ENERGY HUB



WHAT THE JUDGES SAID...

“ The product allows users to gain visibility into their energy usage to identify energy savings opportunities while complying with the complex requirements of the building energy codes.”

Schneider Electric’s Ecostruxure™ Energy Hub is a purpose built, cloud-based energy management software-as-a-service solution. Specifically designed for commercial, industrial, and institutional buildings, this industry-leading solution simplifies energy management across the operational lifecycle to empower organizations to achieve sustainability goals.

This IoT-enabled, plug-and-play, open, interoperable architecture and platform unites power and building management with connected devices, edge control software and digital services for enhanced productivity

and improved resilience. It provides unmatched energy analysis and benchmarking features to identify the factors contributing to energy usage, analyzing energy usage patterns, and implementing energy conservation measures. These features enable users to collect accurate and actionable data to effectively manage essential energy systems and meet larger sustainability goals, all on one platform. As a result, leaders are able to leverage more accurate data for better decision making and reinvest valuable resources back into sustainability initiatives to continue their journey to a more sustainable future. 🌱

SCHNEIDER ELECTRIC YOKOTA AIR FORCE BASE




WHAT THE JUDGES SAID...

“ The energy efficiency projects and optimized energy generation result in significant cost savings for the military, allowing for the reallocation of capital to other critical purposes. Implementing this energy strategy demonstrates an exceptional commitment to sustainable practices and national security.”

Schneider Electric’s EcoStruxure microgrid controls allows Yokota Air Base (YAB)—a critical hub for U.S. military operations in the APAC region—to “island” in the event of a grid outage, eliminating susceptibility to an energy related attack, playing a crucial role in strengthening the base’s energy resiliency and infrastructure. During normal operation (periods where grid power is not disrupted), the EcoStruxure microgrid controls utilize real time utility rates to optimize power generation between the Combined

Heat and Power Plant and the grid to maximize energy and cost savings.

Financed through an Energy Savings Performance Contract, or ESPC, the YAB ESPC has slashed the electrical load on the local power grid by 51% (Annual Consumption, kWh) / 43% (Demand, kW).

YAB has become a model for the U.S. Air Force’s sustainable defense infrastructure and represents a more resilient and environmentally responsible future for our armed forces. 

TRANE: NEW MEXICO STATE BUILDINGS GREEN ENERGY PROJECT



WHAT THE JUDGES SAID...

“ The project resulted in substantial energy savings, reduction in water usage, decreasing GHG emissions annually, and using clean, renewable energy - solar power is a success story.”

Trane, a leading energy services provider, played a crucial role in helping the State of New Mexico achieve their decarbonization goals with a comprehensive program supporting the modernization of state-owned buildings and implementing renewable infrastructure. With expertise in facilities and energy, Trane implemented innovative solutions to enhance comfort, reduce energy consumption, and support the state’s climate action plans.

The program involved upgrading HVAC systems to ultra-efficient models and implementing smart building controls. Additionally,

Trane incorporated renewable distributed energy resources, including rooftop solar installations, to generate clean, renewable energy. These measures not only improved the comfort of staff and visitors but also contributed to the state’s economic and environmental goals.

Trane has had a 30+-year relationship with the state, making them a trusted choice for this project. By utilizing Trane’s services, the state was able to address deferred maintenance costs, reduce emissions, and create more sustainable and resilient building infrastructure. 🌿

TRINA SOLAR WATERLOO TERRACE PROJECT



WHAT THE JUDGES SAID...

“ Sustainable carbon-free solutions such as solar are critical to preventing further environmental damage. Trina Solar Vertex N modules provide more electric production, reduce carbon dioxide emissions, and less reliance on fossil fuel.”

Founded in 1997, Trina Solar is a leading global provider of PV modules and smart energy solutions with more than 190GW cumulative module shipments, including 90GW of 210mm modules. The company is currently developing a 5GW manufacturing base in Wilmer, Texas.

Affordable-housing nonprofit Foundation Communities commissioned Spear Commercial & Industrial to install a rooftop solar PV system at its Waterloo Terrace apartment complex in Austin, Texas. Spear partnered with Trina Solar’s C&I Solutions for streamlined procurement

of the bundled 600W 210mm Vertex modules, inverters, and racking needed for the 250KW system.

So far, Waterloo’s PV system using Trina’s high-powered, high-efficiency Vertex modules has generated over 583MWh in renewable energy, helping Foundation Communities meet its installed solar capacity goal one year early and significantly reducing the complex’s monthly energy costs. The organization provides free electricity for Waterloo’s 132 residents and the savings from solar enable more sustainability investments for their well-being. 🌿

WÄRTSILÄ A.J. MIHM POWER PLANT HYDROGEN FUEL TEST PROJECT



WHAT THE JUDGES SAID...

“ This project exemplifies innovation, practicality, and environmental consciousness, setting a precedent for a greener energy landscape.”

Wärtsilä, in collaboration with WEC Energy Group, the Electric Research Power Institute (EPRI), and Burns & McDonnell, carried out a hydrogen fuel demonstration project at WEC’s A.J. Mihm Generating Station. The tests, completed in October 2022, marked the first hydrogen power test of a utility-scale, grid-connected reciprocating engine generator in the world, and the largest internal combustion engine to ever operate continuously on a hydrogen fuel blend. The project, which incorporated 25% hydrogen fuel by volume, was

conducted to support WEC’s goal to reduce CO₂ emissions from its electric generation fleet by 60% by the end of 2025; by 80% by the end of 2030 from 2005 levels; and to be net carbon neutral by 2050. The project was also conducted to demonstrate that internal combustion engine power plants have a key role to play in stabilizing an increasing amount of intermittent renewable energy being used for electric generation. 🌿



Environment
+ Energy
LEADER

TOP PROJECT WINNERS

▶ **Environmental Impact**

4AIR SUSTAINABLE AVIATION SOLUTIONS



WHAT THE JUDGES SAID...

“Engaging with fuel producers, suppliers, FBOs, end-users, and environmental and industry associations creates an Innovation model for the concerned industry stakeholders.”

4AIR is the first sustainability solutions program dedicated to aviation and its programs are uniquely designed to comprehensively address climate impacts. Their framework offers a streamlined and verifiable pathway for the aviation sector to effectively offset and reduce aircraft emissions. 4AIR’s solutions are adaptable to all aircraft operations, making them a leader in supporting aviation ESG initiatives. 4AIR helps 150+ partners, including airlines and Fortune 100 flight departments, in meeting their reduction goals.

While documenting over 10 million gallons of sustainable aviation fuel (SAF) for their partners (a 20,500mtCO₂ reduction), 4AIR developed the ASSURE SAF Registry, a blockchain-based inventory platform and registry designed for efficient and transparent renewable fuel tracking. ASSURE enhances the economic viability of SAF investments by driving down costs, stimulating increased supply. ASSURE was designed considering feedback from the SAF value chain, including fuel producers, distributors, and aircraft operators. 🌱

AQUA METALS AQUAREFINING EV BATTERY METALS RECYCLING



WHAT THE JUDGES SAID...

“ The project is impactful in a very important field. Reduction in waste/waste averted an often overlooked but important metric in overall sustainability footprints/impacts. Solid CO2 emissions reductions. Overall, this EV battery metals recycling is a critical need, and this project is an example of a highly impactful, valuable process.”

As governments around the world intensify their focus on combating climate change through carbon emission reduction, stringent regulations are being implemented to incentivize the adoption of EVs. Truly sustainable battery metals recycling technology is imperative to the future domestic EV supply chain, and Reno-based Aqua Metals is developing the cleanest and most cost-efficient lithium-ion battery (LiB) recycling solution on the market to make this possible future a reality. The company’s proprietary AquaRefining

technology utilizes a clean, electricity-based closed-loop process that produces high purity metal from spent, shredded lithium-ion batteries (LiBs), delivering raw critical materials back into the manufacturing supply chain without emissions and toxic byproducts. AquaRefining helps ensure the recovery of a higher percentage of metals at a higher quality with a lower operating cost than the current methodologies being applied and developed in the industry, all without the damaging effects of furnaces and greenhouse emissions. ♻️


ARAMCO - NORTHERN AREA GAS PRODUCING DEPARTMENT NAGPD'S PROGRESSIVE STEP TOWARDS THE 2050 NET ZERO EMISSION PLEDGE



WHAT THE JUDGES SAID...

“Transitioning from continuous flaring to maintenance flaring has an immediate impact on GHG emissions, especially methane. Additional positive impacts such as cost savings also support the sustainability model of people, planet, and profits. This has the potential to be a game changer for the industry.”

Northern Area Gas Producing Department (NAGPD) of Saudi Aramco has launched a pivotal sustainability projects to decrease the emission in their facilities. These several transformative project reduce greenhouse gas emissions and enhancing operational efficiency and safety. The initiatives involves rigorous planning, assessment of existing systems, and adoption of advanced High-Integrity Pressure Protection Systems (HIPS) to ensure safety while minimizing environmental impact. This has domenstrated NAGPD's commitment to environmental conservation and operational efficiency.

These projects also focus on long-term economic benefits, improving gas utilization, and reducing operational costs. They set a precedent for sustainable practices in the energy sector. The scalability of its strategies allows for broader application, promoting environmental responsibility across the industry. In addition, these initiative highlights the balance between environmental stewardship and operational efficiency, proving that sustainable practices can also enhance economic performance. Looking forward, NAGPD plans to further refine its practices and promote sustainability, ensuring continuous improvement and broader impact within the energy sector. 



SOFPD JOURNEY TOWARDS EXCELLENCE IN IMPLEMENTING THE ENERGY MANAGEMENT PROGRAM



WHAT THE JUDGES SAID...

“Energy savings of 25.3 MWh by the implementation of various initiatives & Total CO₂-e emission reduction 227 k Metric Tons, shows the clear indication that Safaniya Offshore Producing Department carried out its entire operation sustainably.”

Energy management is critical in the organization’s larger business strategy and framework on climate change, sustainability, and decarbonization. To this end, SOFPD has implemented various programs and initiatives to encourage and reward energy management actions that reduce energy related GHG emissions. Additionally, SOFPD has incorporated climate change and sustainability considerations into its overall business strategy, including its investment decisions and operational planning. The department’s focus on sustainability and decarbonization aligns with Saudi Aramco Company’s long-term commitment to achieving

net-zero scope 1 and scope 2 greenhouse gas emissions by 2050. In the energy management program, SOFPD has maintained Energy Intensity Index (EII) below target for the past five years due to the new constructed projects and energy efficiency initiatives. Implementing these programs and initiatives allowed SOFPD to obtain the ISO 50001:2018 along with winning (+19) national and international prestigious awards in the energy industry. In addition, SOFPD has implemented more than (+35) energy saving initiatives which have reduced CO₂ emissions and generated a total energy savings of 25.3MWh. 🌿

CARRIER GLOBAL CORPORATION A LARGE BANKING COMPANY ACHIEVES ITS SUSTAINABILITY GOALS



WHAT THE JUDGES SAID...

“ The EcoEnergy Insights solution is an innovative IoT that improved energy efficiency, predictive maintenance, promoted water conservation while reducing CO₂ emissions and enhancing building comfort at the applicable bank branches.”

In 2015, one of the leading banks in India wanted to reduce the environmental impact of its operations. The bank sought to enhance its sustainability efforts by optimizing the energy consumption at its numerous bank branches. They engaged EcoEnergy Insights, a Carrier company, for a project to make their bank branches energy-efficient while being comfortable for occupants.

One of the main aspects of the project involved leveraging Internet of Things (IoT) technology and remote support for monitoring equipment.

Since 2016, the project delivered below results:

- 1) Over 5.2 million kWh was saved across the connected 500 branches. The energy savings delivered to the organization is equivalent to the carbon sequestered by 60,934 tree seedlings grown for 10 years.
- 2) Improvement in occupant comfort through better policy adherence
- 3) Reducing water consumption at a branch using the same IoT infrastructure with additional flow meters, to enable the next phase of reducing negative environmental impact. 🌿

CATALYZE AMHERST COMMUNITY SOLAR FARM



WHAT THE JUDGES SAID...

“ Love the agrivoltaics angle! When paired with the broader positive impact of renewable energy production/community solar on the ecosystem and the communities served (including disadvantaged populations), I believe this project truly stands out for its innovative approach and successful implementation/execution of sustainable practices.”

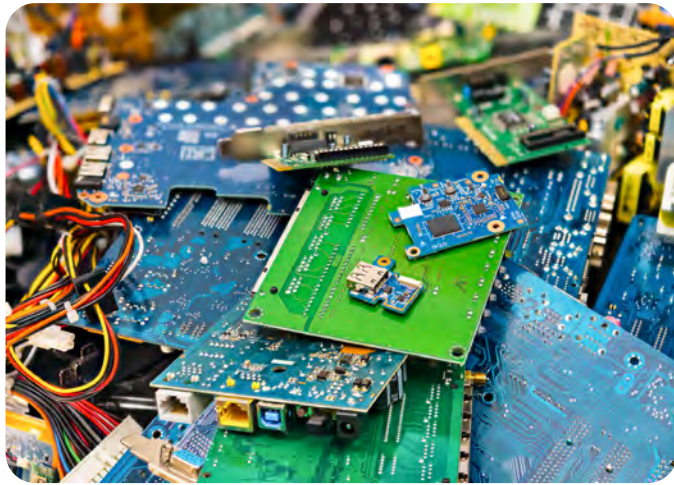
Catalyze’s 6.4 MW Amherst Solar Farm project is an example of equitable energy distribution, providing renewable electricity to the Buffalo Municipal Housing Authority, a critical service provider for low-to-moderate income residential customers. Ampion, a community solar subscription management company, enrolled 1,300 housing units in the program. The project aligns with NYSERDA’s Clean Energy Communities program’s objectives, helping achieve 6 GW of distributed solar by 2025 and ensuring that 40

percent of clean energy investments benefit disadvantaged communities.

The solar farm also utilizes sheep, shepherded by a landowner of the Amherst community, to maintain the vegetation on-site during the grazing season. This provides the landowner with a new source of revenue while having minimal negative impact on the solar site itself. In this way, this project offers a unique opportunity for Amherst residents to claim the benefits of a clean energy economy in a way that was previously inaccessible. 🌿

CYRUSONE

OUR PORTFOLIO-WIDE CIRCULAR ECONOMY STRATEGY



WHAT THE JUDGES SAID...

“ This is a great and innovative project; not many data centers are considering the end-life of the waste once it leaves their facilities. This saves customers transport costs of collecting waste, ultimately reducing their carbon footprint.”

Over the past few years, CyrusOne has been developing a strategy for transitioning to a circular economy. The company has taken a portfolio-wide approach, addressing waste produced throughout the entire lifecycle of their data centers.

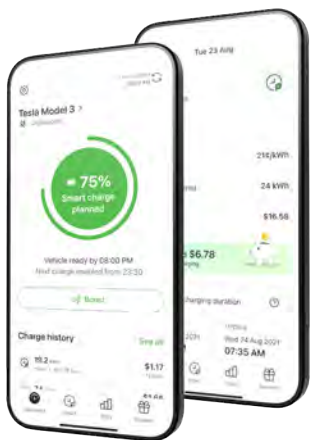
The primary waste streams of a colocation data center include construction waste (wood, concrete, etc.) and operational waste such as breakroom waste, paper, spent UPS batteries, and customer's obsolete hardware. Recycling each of these waste streams across 50+

data centers in the US and Europe presents unique challenges.

Collaborating with on-site facility management teams to standardize waste management operations, identifying strategic partnerships for e-waste recycling, and launching innovative pilot projects using alternative construction methods were all instrumental. CyrusOne effectively reduced waste generation, boosted diversion rates, and decreased greenhouse gas emissions. 🌱



HOW EV.ENERGY HELPED TURN THE BIG APPLE GREEN



WHAT THE JUDGES SAID...

“Incentivizing EV adoption and rewarding behaviors that reduce grid strain during peak periods aligns strongly with sustainability goals. The potential for continued growth and optimization looks promising as it promotes a cleaner and more sustainable future.”

ev.energy is a Certified B Corp® on a mission to make EV charging greener, cheaper, and smarter. Its software platform wirelessly connects to a range of EVs and chargers to intelligently manage charging while working with utilities to incentivise customers for charging at grid-friendly times.

With a global presence spanning North America, Europe and Australia, ev.energy has dispatched over 8 million charging sessions and manages a virtual power plant of over 150,000 drivers. The company’s hardware-agnostic technology has been tapped by more than 40 utilities.

ev.energy was selected for the CEC “REDWDS” grant to deploy up to \$41M of funding to make EV charging more affordable for Californians. Partnered with CCAs and utilities, ev.energy aims to enroll 275,000 drivers, with a focus on disadvantaged communities.

ev.energy recently integrated with Rolling Energy Resources, combining their deep expertise in EV program design and evaluation with ev.energy’s world-leading driver experience.

Learn more at the [ev.energy](https://www.ev.energy) website. 🌱

MAST REFORESTATION REGROWING FIRE-AFFECTED FORESTS WITH NEW TECHNOLOGY AND SUPPLY CHAIN INNOVATION



WHAT THE JUDGES SAID...

“ The company is providing clear benefits to help step-change our collective ability to repopulate forests after wildfires, which is an obvious and increasing environmental threat. Further, they have a model for engaging numerous stakeholders to move their projects forward.”

Mast Reforestation is an end-to-end reforestation company and the largest tree seed supplier in the western U.S. In the face of increasingly frequent and severe wildfires, Mast is scaling post-wildfire reforestation through a vertically integrated supply chain, enabling customized projects to get up and running in weeks instead of years. Mast’s one-stop reforestation solution combines proven forestry practices with new technology to regrow healthy, resilient, climate-adapted forests lost to wildfires.

Mast’s approach includes research and development of resilient seeds

and seedlings, large-scale nursery operations, prep and planting reforestation services and monitoring, and innovative financing for landowners. Through a first-of-its-kind financing vehicle, Mast enables no upfront-cost reforestation for landowners impacted by wildfire through the sale of its carbon removal credits. This model for reforestation helps landowners affected by wildfires maximize the value of their land through full lifecycle services and ecological restoration, including habitat restoration, water purification, and more. 🌿

MONTROSE ENVIRONMENTAL & CTEH, A MONTROSE ENVIRONMENTAL GROUP COMPANY

RECLAIMING ABANDONED/ORPHAN WELLS: METHANE MITIGATION AND ENVIRONMENTAL RESTORATION



WHAT THE JUDGES SAID...

“ The sustainable practices employed in this project involve prioritizing the sealing of wells based on their environmental impact, specifically targeting those with the highest methane emissions. Additionally, using technical expertise and efficient investigative techniques significantly reduces the time needed to locate concealed wells.”

Orphan wells, also known as abandoned wells, pose significant and ongoing environmental impacts and safety risks. More than 100,000 orphan wells are estimated to exist in the US, many leaking methane, the potent greenhouse gas, into the environment.

When Louisiana needed immediate action on more than 4,500 orphan wells, they relied on the combined expertise of CTEH and Montrose Environmental to provide a unique, turnkey solution. The CTEH-Montrose solution addressed both environmental concerns and social equity by quantifying and classifying

wells according to greatest impact, prioritizing the highest-impact wells to be addressed first. This holistic approach aimed to create new job opportunities and focused orphan well-plugging efforts that resulted in positive environmental impact.

Our unique collaboration of innovative technology, including Optical Gas Imaging cameras to identify and analyze leaks, large scale data management, and well-control expertise led to Montrose and CTEH solving a complex challenge that benefits communities across Louisiana. 🌿

PETERBILT MOTORS COMPANY ZERO WASTE TO LANDFILL



WHAT THE JUDGES SAID...

“ Through innovative waste management techniques and a relentless pursuit of sustainability, the company’s efforts in achieving zero waste to landfill are not just admirable but serve as an inspiration for organizations worldwide.”

Peterbilt Motors Company, a division of PACCAR Inc., has achieved Zero Waste to Landfill status for over 15 years. This commitment reduces land and water pollution, emissions, and climate impact while ensuring a sustainable environment for future generations.

Peterbilt diverts 13.2 million pounds of waste annually from its operations and encourages landfill diversion among local suppliers. 82% of this waste is recycled, 17% is fuel blended, and 1% is composted. Strategies for waste reduction include using

reusable containers instead of single-use packaging, remanufacturing defective parts, minimizing excess material, reusing materials on-site, and improving operational efficiency.

Each year, during our Open House event, we organize an Environmental Fair to raise awareness among our employees. This fair also includes a household hazardous waste collection, promoting diversion of such waste from local landfills in our community. 🌱

PIVOT BIO THE PIVOT BIO N-OVATOR PROGRAM



WHAT THE JUDGES SAID...

“ This program has the potential to reduce nitrogen pollution from farming significantly. It has been well documented that runoff from agriculture can significantly degrade the environment downstream. Nitrogen runoff is a major contributor.”

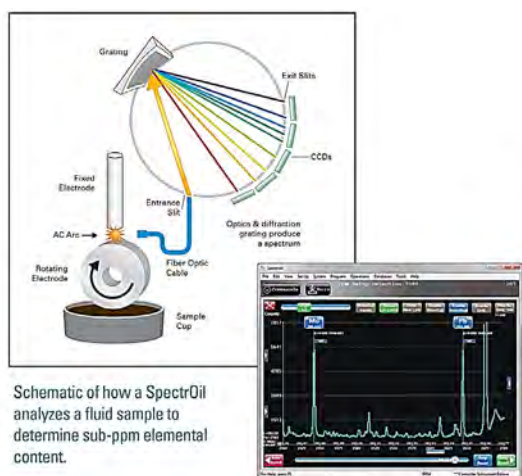
Rewarding Farmers Reducing Emissions: The Pivot Bio N-OVATOR™ Program

Pivot Bio is leading a transformation of the fertilizer industry by harnessing the power of nature to sustainably nourish crops. PROVEN® 40, Pivot Bio’s leading microbial product, delivers nitrogen to production corn crops without the negative impacts of synthetic fertilizer, a significant source of greenhouse gas emissions. Their products are used across 5 million acres in the U.S., replacing up to 25% of synthetic nitrogen

fertilizers, while improving growers’ profitability and productivity.

A recent offering, N-OVATOR™, verifies the growers’ replacements and then quantifies the avoided greenhouse gas emissions, water use, and watershed impact. The program compensates the growers by connecting them with companies looking to reduce their Scope 3 emissions and lighten the footprint of their supply sheds. Since 2022, the program has paid more than \$6 million to growers and verified the avoidance of more than 315,000 MT of CO₂e. 🌱

SAUDI ARAMCO REVOLUTIONARY CHEMICAL FREE ELEMENTAL ANALYSES OF WATER SAMPLES WITH ROTATING DISC ELECTRODE SPECTROMETER



WHAT THE JUDGES SAID...

“ This project significantly improves the efficiency and reduces the waste associated with water sample elemental analysis.”

Saudi Aramco, one of the largest oils and gas producing company in the world, we believe in the power of energy to transform lives, enhance communities, advance human progress, and sustain our planet.

NAQA&ID Laboratories established a novel analytical method to determine dissolved metals concentration in waste water and produced water samples, with range of 200 ppb up to 10 %, with low cost and high accuracy. The procedure was validated against traditional technique of ICP-OES. Hence, this application which uses the rotating disc electrode (RDE) technique provides a quicker, easier and cheaper analysis technique

compared to ICP-OES. The new method has the following advantages: (1). Eliminates the need for high dilution factor to be applied, in order to overcome the high salinity of produced water samples. (2). Reduces analysis time - One run of multielement sample on ICP-OES can take up to 30 minutes compared with 2 minutes with RDE. (3). Eliminates the utilization of strong acids for samples digestions. (4). Minimizes the consumption of Argon gas (ICP-OES analysis requires 15 Liter/minute) and (5). Avoids utilization of multiple sample introduction systems based on sample matrix. 🌿

TASMAN ENVIRONMENTAL MARKETS LAOS INDUCTION COOKSTOVE PROJECT



WHAT THE JUDGES SAID...

“ The project’s focus on replacing a significant driver of deforestation is highly sustainable. The potential for health improvements and reduced time-gathering biofuel further strengthens its sustainable impact. This promotes health benefits through smoke-free environments.”

TEM’s Induction Cookstove pilot project is the first of its kind in Laos, utilising cutting edge technology to improve environmental and health issues relating to smoke inhalation in the region.

Charcoal is the most widely used fuel for cooking in Laos and has contributed to high rates of deforestation and environmental degradation across the country. Additionally, World Bank reported that household air pollution from cooking over open fires is the top health-risk in Laos, particularly for women and children.

TEM’s pilot project introduced electricity-fueled induction cookstoves into the Savannakhet Province within Laos, replacing traditional open-fired cooking methods. This led to a reduction in carbon emissions and provided health benefits throughout participating households.

TEM distributed 68 induction cookstoves, resulting in a 100% decrease in smoke production compared to traditional open flame cooking methods. Each induction cookstove contributes to an estimated emissions reduction of 2.4 tonnes of carbon dioxide equivalent per year. 🌿

WESTERN DIGITAL SUSTAINABILITY LIGHTHOUSES



WHAT THE JUDGES SAID...

“ Overall, Western Digital's sustainability efforts and adoption of 4IR technologies represent a significant step forward in the company's journey towards operational excellence and environmental stewardship. Through innovation, collaboration, and community engagement, Western Digital is setting a high standard for sustainable manufacturing practices in the industry.”

As a global data storage company, a key part of Western Digital's mission is implementing sustainable, operational excellence throughout the company's global operations.

By automating production and logistics, Western Digital's Batu Kawan, Malaysia facility was able to deliver 32% factory cost improvement and transition to build-to-order with an intelligent planning system, thereby reducing product inventory and order lead time by 50%. Additionally, the smart factory model drives overall sustainability

efforts to combat climate change and eliminate waste, achieving on a per unit basis 41% energy reduction, 45% water reduction, 16% material waste reduction – all while growing 43% in the last four years as of April 2022.

The World Economic Forum recognized Western Digital's Penang, Malaysia Batu Kawan smart factory as Asia's first Sustainability Lighthouse, for using Fourth Industrial Revolution technologies to increase operation performance and environmental sustainability. 🌱



Environment
+ Energy
LEADER

TOP PROJECT WINNERS

▶ **Software Implementation**

AMERICAN TIRE DISTRIBUTORS ATD'S CO2 AI



WHAT THE JUDGES SAID...

“ The integration of AI-driven technology for monitoring GHG emissions represents a significant innovation in the automotive industry. The CO₂AI platform could go beyond traditional carbon tracking tools by actively identifying scenarios for emissions reduction and evaluating the effectiveness of implemented solutions.”

While the automotive industry has historically been slow to prioritize reducing its impact on the environment, ATD is already orchestrating change that it believes will reap dividends in the future. As the connected provider for the automotive aftermarket, ATD has taken a broader view of its responsibility to tackle the challenge of climate change by tracking Greenhouse Gas (GHG) emissions for its own operations in addition to suppliers and customers.

By implementing the artificial intelligence (AI)-driven GHG

emissions data platform, CO₂AI, ATD has taken a significant step toward sustainable operations. This advanced platform serves as a cornerstone in ATD's commitment to measuring, simulating, and optimizing carbon performance not only for its own organization, but also for all the ecosystem partners. As it implements this optimized platform, ATD expects to expand its competitive moat, drive incremental revenue, lower operating costs, improve product availability, reduce miles driven, and lower its carbon profile. 🌱

CYRUSONE CUSTOMIZED CUSTOMER SUSTAINABILITY REPORTS



WHAT THE JUDGES SAID...

“CyrusOne’s approach to generating Customer Sustainability Reports uses technology to automate the creation of customized reports for its many customers. A custom software bot helps streamline the process and ensures accuracy and efficiency.”

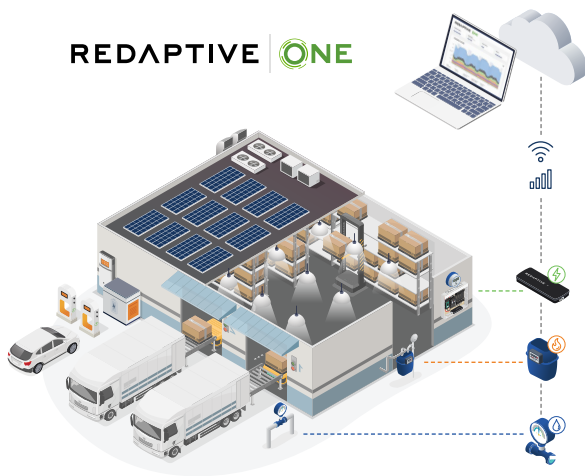
CyrusOne knows that to set and reach sustainability goals, you need good data to measure impacts. With new reporting requirements going into force soon, the company needed a way to supply each customer with annual sustainability data early enough to meet reporting deadlines.

With more than 600 customers across 50+ facilities, this was no small project. CyrusOne’s sustainability team coordinated a cross-functional effort to gather and QC large amounts of monthly utility data, calculate percentages of various impacts (greenhouse gas emissions,

fuel usage, water consumption, etc.) for each customer, format detailed but easy-to-use reports, and deliver them to customers in the first quarter of the next year.

CyrusOne IT brought the expertise to combine a variety of off-the-shelf and custom software programs to automate the process of generating hundreds of consistent reports from a template and data file. The completed reports provide more than 600 customers with the data they need to pursue their own ambitious sustainability goals. 🌱

WPT CAPITAL ADVISORS & REDAPTIVE METERING PROGRAM + SOFTWARE IMPLEMENTATION




WHAT THE JUDGES SAID...

“ With a 50% reduction for WPT Capital Advisors in monitoring costs over 16 of their locations and 6 million square feet, this seems like a superior solution.”

Redaptive is a leading Energy-as-a-Service provider and data solutions provider that funds and installs energy-saving and energy-generating equipment. Redaptive’s programs help many of the world’s most sophisticated organizations reduce energy waste, optimize cost, lower carbon emissions, and meet their sustainability goals across their entire real estate portfolios. With Redaptive, customers can overcome capital and resource barriers to achieve energy-saving benefits quickly, all with continuous data powered by Redaptive’s proprietary metering technology.

In 2023 we launched Redaptive ONE, which eliminates any blind

spots in a customer’s portfolio by providing real-time access to electricity, gas, and water usage data, enabling sustainability reporting and performance analysis. Using Redaptive ONE, businesses can reduce complexity in reporting, identify cost savings, and develop a robust sustainability roadmap – for a clearer, faster path to net zero.

Learn more at Redaptive.com and find out more about the Redaptive ONE solution with WPT by heading to the “Success Stories” section of the Redaptive website and looking for the WPT case study. 

SAUDI ARAMCO LOG AUTOQC



WHAT THE JUDGES SAID...

“ With millions of files entering operators’ databases, ensuring compliance before validation and archiving is crucial.”

Log AutoQC is a groundbreaking application, leveraging artificial intelligence to revolutionize data quality control and assurance in well logging. Through advanced machine learning techniques, including Convolutional Neural Networks and Genetic Algorithms, this innovative tool offers real-time evaluation of diverse data sources. Utilizing powerful open-source Python libraries, it accelerates deployment and drastically reduces validation time for large and complex files. With meticulous validation processes ensuring adherence to

standard operating procedures, the system empowers decision-makers with actionable insights through an intuitive dashboard. By automating tedious tasks, it liberates analysts to focus on strategic initiatives, ultimately driving operational efficiency and eliminating costs associated with poor data quality. This transformative solution introduces a new era of data processing innovation, positioning organizations at the forefront of technological advancement. 🌿



Environment
+ Energy
LEADER


**PRODUCT & PROJECT
AWARDS JUDGES**

2024 JUDGING PANEL



Dr. Roger Achkar is an engineer and social scientist, with academic credentials from esteemed institutions such as Harvard, Leicester, Cranfield, and CentraleSupélec. His interests revolve around social science research's role in understanding and addressing the challenges and impacts of renewable and efficient energy systems, sustainable energy transition, and climate change.

At present, Dr. Achkar holds the position of General Manager at a company specializing in engine-based and Solar PV power plant contracting, and EV trading. He also serves as the Director General of GWCN, a UK-based organization that stands as the world's largest environmental and energy network, boasting over 2,000 member organizations across 187 countries.

With numerous years of experience at the senior and managerial level in MNCs and energy service companies in the MEA region, Dr. Achkar brings a wealth of knowledge and expertise to his roles. His accomplishments extend beyond his professional career, as he is also an award-winning author and has been recognized for his contributions to public service. 

Roger Achkar

Director General of GWCN

2024 JUDGING PANEL



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. 🌿


Paul Campbell

Director-Energy & Sustainability Marketing, ICF International

2024 JUDGING PANEL



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. 

Kirby Dipert

Senior Field Engineer, TRC Companies

2024 JUDGING PANEL



Paul is currently contracted as an advisor to the Air Force Office of Energy Assurance. Within the innovation group, he engages a wide array of stakeholders such as technology companies, academic and government researchers, utilities, financiers, and defense engineers to help identify comprehensive solutions for Air Force installation needs in energy and water resilience, with a climate-informed perspective. His background is as an entrepreneurial marketing executive with extensive expertise in the hospitality, healthcare, and telecommunications industries with the versatility to excel in any business sector. He has a proven capacity to lead organizations through product development initiatives and strategic brand realignment. He is a natural leader with competent decision-making skills and a trusted advisor to c-suite executives. He finds his current work in the global energy industry to dramatically reduce pollution and waste to be both exciting and inspiring of hope for the future of our planet. 🌱


Paul Garcia

Advisor, Air Force Office of Energy Assurance

2024 JUDGING PANEL



As Senior Director, Sustainability for Marsh McLennan Shea leads the Company's sustainability initiatives and drive progress against ESG goals and strategy. She has over ten years of experience leading and implementing sustainability programs at F500 organizations across a variety of industries, including real estate, hospitality and consumer packaged goods. Most recently, Shea was Director of Sustainability at the Estee Lauder Companies where she was responsible for operationalizing sustainability across the enterprise. In her role, she led initiatives to embed sustainability across the company's highest-growth channels and newly acquired brands, and oversaw initiatives to drive progress against emissions, packaging and other sustainability goals. Prior to the Estee Lauder Companies, she led ESG for Welltower, a health-care real estate investment trust. In this role, she built the Company's first ESG strategy, led efforts to improve ESG ratings and rankings and guided Welltower to being recognized as an ENERGY STAR Partner of the Year for multiple years.

Shea holds a B.S. in Environmental Engineering from Suffolk University, a M.S. in Environmental Science and Management from Sacred Heart University and is a LEED Accredited Professional. She is an active member of her local community's sustainability advisory board and in industry sustainability organizations. 

Shea Jameel

Senior Director, Sustainability for Marsh McLennan


2024 JUDGING PANEL



Alan L. Johnson is the Managing Director, Chemical & Workplace Safety at 3E. He is responsible for devising and executing 3E's global chemical and workplace safety product portfolio strategy.

Mr. Johnson was the founder and leader of 3E's Alliance Network, which plays a critical role in the company's global business development strategy. Since joining 3E in 2015, he has spearheaded alliances with a wide range of industry leading companies, increasing 3E's global footprint through the development of integrated technologies.

Mr. Johnson has more than fifteen years of proven leadership in business development, strategic alliances, and product management. Prior to joining 3E, he held senior business development and product positions with market leading software companies including Turning Technologies, BlueTie Inc. and The NASVF.

Mr. Johnson holds a B.A. in Political Science/World Languages & Cultures from Mercyhurst College, a certificate from L'Université Laval in Français Langue Étrangère (FLE) and a dual MBA in Sales & Marketing Management/International Business from the Rochester Institute of Technology's E. Phillip Saunders College of Business. 

Alan Johnson

Managing Director, Chemical & Workplace Safety, 3E

2024 JUDGING PANEL



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. 

Jeff King

Vice President, Head of ESG | Bath and Body Works

2024 JUDGING PANEL



Paul Leavoy has worked in the green energy sector for over 20 years. As a journalist, he covered early private and public sector efforts to kickstart the green transition before moving to the private sector to help greentech businesses communicate to stakeholders. He later became a research analyst at LNS Research, founded the firm's EHS and Sustainability practice in 2014. And as the Founding Editor in Chief of Ascend Magazine, he dug deep into regulatory and public policy dimensions of the green economy. For the past eight years he has sat as a judge on Environment and Energy Leader's Product and Project Panel and currently serves as Editor in Chief of Green Growth Digest, a new publication focused on greentech companies. 🌱

Paul Leavoy


Editor in Chief of Green Growth Digest

2024 JUDGING PANEL



Mary Ann Grena Manley is an environmental lawyer, policy analyst, and communications expert. As an independent consultant in the environment and sustainability arena, Mary Ann assists her clients with communications strategy, content creation, policy analysis, and brand leadership. For more than 20 years, Mary Ann managed Bloomberg Industry Group (formerly Bloomberg BNA and BNA Inc.) coverage and analysis of global environment, health, safety, and sustainability issues. With experience cutting across law, journalism, policy, and marketing, she most recently served as Deputy Editorial Director at Bloomberg Environment before retiring in 2020 to start 15E.

Throughout her career, Mary Ann has played a key role in identifying and initiating strategic relationships, collaborating with national partners, creating communications, branding, and marketing strategies, and developing new products. She has designed and executed social media campaigns, engineered conference agendas, panel discussions, webinars, and stakeholder roundtables, and is a seasoned facilitator and public speaker. Mary Ann has presented at dozens of national conferences and industry events, including SXSW Eco, the National Brownfields Conference, ABA SEER, Environment+Energy Leader Solutions Summit, the Solar Farm Summit, and various Bloomberg client events. Her policy expertise includes environmental compliance, environmental due diligence, risk management, brownfields redevelopment, sustainability, and ESG.


Mary Ann received her Bachelor of Arts in Political Science from American University and a Juris Doctor from Widener University School of Law. She is a member of the District of Columbia Bar. When she's not busy helping her clients, Mary Ann's interests include photography, hiking, biking, yoga, D.C.-area sports, and local community issues involving underserved populations. Born in New York City and raised in New Jersey, she is a long-time resident of Capitol Hill in Washington, D.C. 

Mary Ann Grena Manley

Founder & President, 15E Communications LLC

2024 JUDGING PANEL



Mr. McEwen has over twenty years of combined professional experience in Industrial Hygiene, Environmental Health and Safety (EH&S) compliance, and Biological Safety. Mr. McEwen currently serves as a GEMS Program Manager for the Joseph Maxwell Cleland Atlanta VA Medical Center. In this role, Mr. McEwen 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. McEwen 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 Joseph Maxwell Cleland Atlanta VA Medical Center 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. 

Charles McEwen

GEMS Program Manager

Joseph Maxwell Cleland Atlanta VA Medical Center

2024 JUDGING PANEL



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 includes 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. 🌿

Kelly Meissner

**Vice President, Corporate ESG & Sustainability
Ventas, Inc.**

2024 JUDGING PANEL



Wendy is the Investment Specialist - ESG at Ninety One where she co-leads the Africa-focussed ESG infrastructure strategy. Wendy is a professionally registered Environmental Scientist with 10 years of experience in consulting and finance. She has worked as an environmental technical expert on various infrastructure development projects in more than 15 African countries. Prior to joining Ninety One, Wendy worked in consulting as a Senior Environmental Assessment Practitioner and Sustainability Consultant. Wendy holds a PGDip in Development Finance (cum laude) from University of Stellenbosch Business School, MSc degree in Ecological Science and BSc Hons in Environmental Science from the University of KwaZulu Natal.

Wendy was named one of the 50 Rising Stars in ESG for 2023 by Women of the Future Programme. 🌱

Wendy Mlotshwa

Investment Specialist - ESG
Ninety One

2024 JUDGING PANEL



Pure Environmental Engineer, having more than three decades of rich and practical experience for the proper and ethical Environmental Management of the Manufacturing Industries, covering Chemicals, Petrochemicals, Refinery, Distillery, Fertilizers, Soda Ash, Pulp and Papers, Steel & Mining, Engineering Thermo-plastic, Thermal Power Plant, Agrochemicals as well as Enviro-Infrastructure Projects.

Worked at World Largest Refinery at Kuwait as an Environmental Engineer.

Superannuated from one of the Govt. & PSUs Initiated Enviro Infrastructure Company as Managing Director at Gujarat State of India during October 2022. {after working more than twelve years as Managing Director}

Considering more than three decades rich experience encouraged to start something, which help to the society in a larger perspective, thus Independent Env. Consultant / Advisor initiated on the name of "Satsang Enviro Advisor" at Vadodara City, Gujarat State of India. 🌿


Satish Panchal

**Founder, Satsang Enviro Advisor
Vadodara City, Gujarat State India**

2024 JUDGING PANEL



Sagar Pande is a business executive with significant global and commercial experience across the electric vehicle and lithium-ion battery industries. He is the Co-founder of Blaze Power, where he is focused on making the North American battery portfolio better and safer using cheaper cathodes.

Prior to this, Sagar worked in multiple engineering roles where he was working cross-functionally for several electric vehicle clients across the globe to engineer sustainable urban transit solutions. He is an advocate of clean energy and carbon-neutral technologies. Throughout his career, he has conducted commercial negotiations and handled partnerships with senior government counterparties. A respected subject matter expert, Sagar has delivered keynote speeches on green economy, lithium-ion batteries, and electric vehicles in several global venues. Sagar obtained his MS in Electrical Engineering at California State University, Long Beach and his MBA at the UCLA Anderson School of Management. 

Sagar Pande

Co-founder | Blaze Power


2024 JUDGING PANEL



Francis (Frank) is currently serving as the Vice President, Utility Market Segment Leader, for CHA Consulting. Frank is responsible for leading the growth of the utility market segment across all relevant business lines and positioning the company for future overall growth. Areas of focus include engineering and design services for electric and gas, transmission and distribution, asset management, project and construction management, renewable energy development, and clean energy transition strategies.

Frank previously spent 35 years in the utility space, retiring as the Vice President – Operations for Orange and Rockland Utilities, Inc. (O&R). Frank was responsible for providing administrative, operational and management leadership for the operating and engineering organizations in the company. He created business value through consultation to executive management, motivating and leading employee teams to exceed performance objectives, and fostering an environment which embraces strategies for personal and business growth.

Frank also oversaw the development of corporate policy and advocacy requirements, particularly associated with the New Jersey and New York clean energy mandates. Furthermore, in this role he oversaw the development, implementation and execution of projects and programs to advance the State's clean energy requirements.

Frank has a BS from Clarkson University, an MBA from Marist College and has completed advanced management programs at the Vermont Law School and the Wharton Business School at the University of Pennsylvania. Frank is also a certified Professional Project Manager. 

Francis Peverly


Vice President, Utility Market Segment Leader | CHA Consulting

2024 JUDGING PANEL



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 (CSRM) and is a certified TRUE Advisor supporting USGBCI's Zero Waste program. 

Susan Pinera

Certified TRUE Advisor supporting USGBCI's Zero Waste program

2024 JUDGING PANEL



Mary Jo Press is Hyundai Motor Group Metaplant America's Chief Safety Officer and Director of Environmental Health & Safety. Mary Jo joined HMGMA in August 2023 and has more than four decades of experience in the Environmental Health and Safety field. At HMGMA, Press works with affiliates including Hyundai Glovis, Mobis, Transys, Hyundai Steel, Hyundai Materials and the Joint Venture with SK and LG battery. She previously worked in management for Tesla for more than five years. Prior to that Mary Jo worked in environmental health and safety for a packaging and container manufacturer as well as a global ingredient manufacturer for human health and food safety and protection of the global food supply chain. Press also was an adjunct faculty member at a community college in North Carolina for more than a decade. She holds a bachelor's degree in chemistry from North Carolina State University and a Master of Science degree in Occupational Safety & Health from Columbia Southern University. Mary Jo has received numerous awards including an Environmental Excellence Award from Mapistry and the 2017 Environmental Leader 50 Award. 🌿

Mary Jo Press

**Hyundai Motor Group Metaplant America's Chief Safety Officer
and Director of Environmental Health & Safety**

2024 JUDGING PANEL



Hadia is a manager in RMI's Climate-Aligned Industries (CAI) Program, co-leading community engagement and equity-centered work across the highest emitting industrial sectors in the Clean Industrial Hubs (CIH) team. Her portfolio includes Clean Hydrogen, Carbon Dioxide Removal (CDR), Shipping, Steel, and Waste-Methane sectors. She advises project developers on how to operationalize the "Justice40 Initiative" framework via capacity-building workshops and webinars on best practices for equitable, inclusive and meaningful two-way engagement to derisk projects, designing and implementing well-rounded and responsive community benefit plans (CBPs), and remediating the impacts of historic underinvestment, environmental injustice, and decades of legacy pollution in low-income, BIPOC frontline communities. 🌱

Hadia Sheerazi

Manager, RMI's Climate-Aligned Industries (CAI) Program

2024 JUDGING PANEL



Sam Shiroff the Senior Director of Global Sustainability for EnerSys, the industrial technology leader serving the global community with mission-critical stored energy solutions that meet the growing need for energy efficiency, reliability and sustainability.

In prior roles, Sam has been part of the globally renowned Carol Cone on Purpose team supporting sustainability efforts at Fortune 500 companies across an array of sectors. Sam has established ESG/Sustainability departments and built employee and community engagement programs for technology companies, financial institutions, manufacturers, retailers and nonprofit organizations around the world. He built the CSR department at Signet Jewelers, the world's largest retailer of diamond jewelry, enabling the company to dramatically improve its ESG rankings, publish its first CSR report, scale its award-winning responsible sourcing efforts and be recognized as a member of the Bloomberg Gender Equality Index.

Sam was also a leading member of Edelman's Business + Social Purpose Practice. He combines over 20 years of international corporate ESG, sustainability, community relations and communication experience with a deep knowledge of carbon finance, energy efficiency and the non-profit world. Sam has an MBA, a BA from Boston College and Was a Fulbright Scholar at the University of Frankfurt in Germany. He has CSV accreditation from Harvard Business School, is a LEED GA, is GRI accredited and speaks fluent German. 🌿

Sam Shiroff

Senior Director of Global Sustainability, EnerSys

2024 JUDGING PANEL



Travis Solberg has lead Solberg MFG in Itasca, IL sustainability 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. He 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. 🌱

Travis Solberg


Chief Sustainability Steward
Solberg MFG

2024 JUDGING PANEL



Zaid Thanawala is a Senior Sustainability scientist at Amazon. He has over 9 years of experience working in various functions within the sustainability space. At Amazon, he was responsible for enabling Amazon Devices to reduce their carbon footprint through Life Cycle Assessments (LCAs) and qualify them for the Climate Pledge Friendly (CPF) badge. He was also responsible for building forecasting models that enable Amazon Devices to predict their future carbon footprint and model carbon abatement actions as part of Amazon's pledge to be Net-Zero by 2040.

During the course of his professional journey, Zaid has assumed pivotal roles at organizations such as Salesforce, O-I, and Heineken. In these capacities, he helped formulate and implement sustainability strategies, with a specific emphasis on enhancing transparency regarding carbon footprint and facilitating initiatives aimed at carbon reduction.

Zaid holds a BE in Chemical Engineering from India, an MS in Sustainable Energy Technologies from Delft, Netherlands, and an MS in Sustainable Systems from Rochester Institute of Technology. 

Zaid Thanawala

Senior Sustainability Scientist, Amazon

2024 JUDGING PANEL



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. 🌿

Cyril Toussaint

NYC H+H

ABOUT



Environment+Energy Leader is at the forefront of advocating for sustainability and corporate responsibility, anchored by the belief that every organization plays a crucial role in shaping a sustainable future. Our mission is to empower business leaders from various sectors with the critical knowledge, actionable insights, and practical tools needed to advance progress and make a positive impact worldwide. Our extensive range of content includes detailed case studies, in-depth research reports, and up-to-date policy analyses, covering key areas such as energy management, climate change mitigation, technological innovation, and best practices in sustainability. We aim to inspire, inform, and engage leaders in conversations that catalyze substantial environmental and corporate changes.

To learn more about us, please visit
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***THANK YOU TO OUR JUDGES,
WINNERS AND READERS***