



2024
MENA Green Building
AWARDS

**Acknowledging Green Building
Achievements,
12th Nov 2024**

Organized By



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Category Sponsor



Welcome to the EmiratesGBC 2024 Awards

Since its inception in 2013, the EmiratesGBC Awards have celebrated organizations that exemplify excellence in sustainable design, construction, and operation of building structures. This prestigious program aspires to set a global benchmark by establishing a world-class, replicable model for sustainability in the built environment across the region.

For the twelfth year, the EmiratesGBC Awards have recognized the achievements of talented teams and leaders for their commitment to green buildings products, materials, systems, research and education.

EmiratesGBC also recognizes the creativity and excellence of the next generation of green building professionals with one award category dedicated to UAE students only.

Winning and short-listed organizations have been acknowledged and the winner was awarded during the 2024 Awards Ceremony and Gala Dinner that took place on Tuesday 12th of Nov 2024 at JW Marriott Marina in Dubai. A sincere thank you to all who attended and supported the event and made the 2024 EmiratesGBC Awards a success one more time

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Opening of the Awards Ceremony

Endorsed By



The support from the World Green Building Council and the active participation of colleagues from other GBCs in the MENA Region contributed to the success of this year's Annual EmiratesGBC Awards. Their expertise as professionals from the building industry and their extensive networks provided a deeper reach to organizations beyond the UAE borders and exposure of regional projects and achievements that are showcasing sustainability best practices in the region.



Khaled Bushnaq, EmiratesGBC Chairman, kicked off the 2024 Awards Ceremony and Gala Dinner by thanking all participants, applicants, judges and sponsors for their commitment towards greening the UAE and the region's built environment. This thirteenth Awards cycle has seen the number and quality of applications showcasing a strong sign of the dedication

The 2024 Review and Judging Process

Processes and Progress

In line with the previous Annual EmiratesGBC Awards programs, the Official Judges were chosen based on their extensive experience in the fields of sustainability and green buildings. Their expertise from the private sector, academia and other Green Building Councils allowed them to review the numerous applications objectively and to highlight organizations and individuals that actively contribute to furthering the green building movement, not only in the UAE, but also regionally. Based on the processes in place and the Judges' feedback over the past years, it is with pride that the Council sees the number of applications growing each year, and to witness an improvement in the quality of submissions. The EmiratesGBC Awards have become a key platform for the industry to recognize green achievements, products, projects and research that are supporting the national vision on sustainability

Transparency and Lessons Learned

As part of the Awards' internal processes and in order to guarantee strict transparency and confidentiality, applicants and official judges were provided with dedicated guidelines stating the 2024 Terms and Conditions and information to be added into their submissions. These guidelines have been prepared and approved by the EmiratesGBC Management Committee.



Official Judges of the EmiratesGBC 2024 Awards

Categories were also reviewed and when needed refined to remain relevant to the green building industry. This continuous process allows the Council to build stronger Awards which reflect the progress and industry needs of the region. To guarantee absolute confidentiality, from the Awards launch until results were shared during the Awards Ceremony and Gala Dinner, all parties involved in the 2024 Awards Program signed Non-Disclosure Agreements.

Identification of Winners and Short-listed Organizations

The identification of shortlisted and winning organizations is determined based on the scores and comments provided by the official judges. At the conclusion of the official scoring phase, the results are meticulously reviewed, compiled, and checked by the EmiratesGBC Awards Taskforce. This thorough review process ensures that all steps adhere strictly to the established guidelines, terms, and conditions, maintaining the highest standards of fairness, transparency, and accuracy.

Meet the 2024 Awards Official Judges



Prof. AbdulGhani Olabi



Prof. Adel Mourtada



Dr. Afif Akel



Ahmed Al Salami



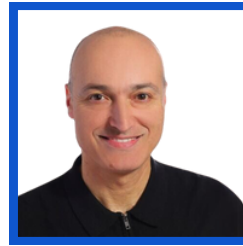
Dr. Ali Amiri



Ali Said



Amjad Alkam



Anas Abdallah



Anne Matthew



Prof. Awni Shaaban



Dr. Bhakti More



Balsam Nehme



Bassam Alhilu



Eng. Eman Sabbah



Eng. Fadi Marji



Farah Yassine



Dr. Ghufra Farouq



Hana Alamuddin



Dr. Hanan Taleb



Dr. Hassam Chaudary



Houyame Mourchid



Dr. Ghalib Y. Kahwaji



Jamila Almir



Majd Fayyad

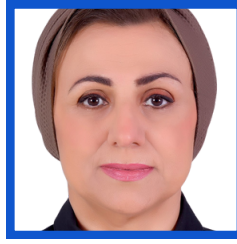
Meet the 2024 Awards Official Judges



Mandarr Agshikar



Mays Kayed



Muna Al Qaysi



Dr. Muna Salameh



Nabil Shahin



Nada Tfaily



Omnia Halawani



Dr. Pablo Izquierdo



Piotr Konopka



Rabih Al Fadel



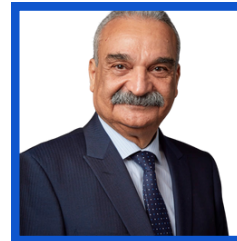
Raji Hattar



Reema Sorour



Rohan Chopra



Prof. Sabih Khisaf



Samar Hussein



Eng. Somayyah Alyammahi



Tony Aazan



Dr. Suzan Ibrahim



Zulema Sanchis



Dr. Nada Chami



Net Zero Building Project of the Year

The Winner

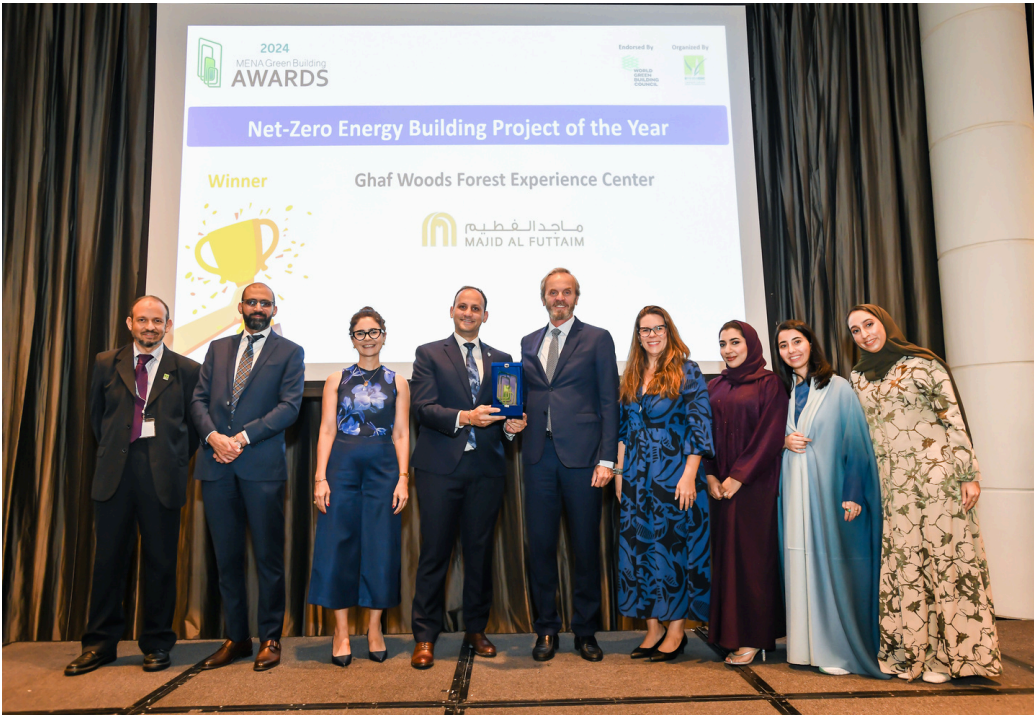
Ghaf Woods Forest Experience Center

Award presented to: Majid ALFuttaim



The Ghaf Woods Forest Experience Center is a prime example of a net positive initiative, designed to reduce greenhouse gas emissions to a level where they are entirely offset by removal or balancing processes. For the Forest Experience Center to achieve net zero emissions, it has optimized its operations to release no additional greenhouse gases into the atmosphere. This achievement is realized through a holistic strategy incorporating efficient MEP systems, renewable energy sources, native and adaptive landscaping, and other sustainable building practices. The Ghaf Woods Forest Experience Center has been designed to be Net Positive.

The project energy demand is achieved with a Renewable Energy system that will supply more than 129% of the building energy demand using 693 highly efficient 580 Wp panels installed on the project’s carpark canopies. The total installed capacity of the panels is 401.94 kWp, generating over 600,000 kWh per annum. Additionally, a battery storage system has been provided to capture and store excess production during the day to be utilized to cover the night-time load. The usage of these innovative solutions highlights our dedication to creating environmentally friendly and efficient structures in our communities.



The Short-Listed Projects

Net Zero Building Project of the Year

Net Zero Energy Mosque

By: Masdar City

The Net-Zero Energy Mosque in Masdar City blends sustainability with spirituality, setting a new benchmark for religious buildings globally. Achieving net-zero energy through passive design, solar technology, and a high-performance envelope, it generates all the energy it consumes. The project embraces sustainability by using locally sourced materials, minimizing construction waste, and implementing water-saving fixtures. Combining traditional forms with modern technologies, it honors regional heritage while adopting innovative solutions. Pursuing certifications like LEED Platinum and Estidama Pearl-4, the mosque demonstrates how sustainability can align with cultural identity. It serves as an inspiring example of modern Islamic architecture.



Existing Sustainable Building Project of the Year

The Winner

Cleveland Clinic Abu Dhabi



Award presented to: Cleveland Clinic Abu Dhabi

In line with the UAE commitment to reducing greenhouse gas (GHG) emissions, Cleveland Clinic Abu Dhabi is committed to excellent performance in terms of sustainability in the context of international, regional and national sustainability targets and standards governed by:

- The Department of Health (DOH) Occupational Health Safety Management System OHSMS sustainability Key Performance Indicators (KPI);
- Federal Law N. (24) of 1999 and N. (21) of 2005 for waste management; and the protection of the environment of Abu Dhabi;
- Abu Dhabi waste recycling policy: 2nd phase of Tariff System (March 2013);

- United States Green Building Council (USGBC) Leadership in Energy and Environmental Design; (LEED), Existing Building Operations and Maintenance (EBOM) targets;
- UPC and Estidama standards and codes;
- Green Guide for Healthcare (GGH);
- ISO 14064 GHG emissions inventories and verification. We have maintained the highest standard of sustainability in our daily operation and we claimed to be leading Green hospital in the region. The attached documents will showcase our efforts and initiative in sustainability journey.



The Short-Listed Projects

Existing Sustainable Building Project of the Year

Burj Khalifa

By: Emaar Facilities Management

The Burj Khalifa, managed by Emaar FM, represents Dubai's ambition and innovation. It has achieved world-class facility management through sustainability-focused practices, earning recognition and awards. The Burj Khalifa received the 2020 MENA Green Building Council's Facility Management Organization of the Year award. It also earned a "World-class" rating from Jones Lang LaSalle. The building pioneered IoT adoption in MENA's FM industry, with recognition from BIFM and FM Middle East. Additionally, it holds a LEED Platinum Certification, demonstrating its commitment to sustainability.

Grand Egyptian Museum

By: Grand Egyptian Museum

The Grand Egyptian Museum (GEM) seamlessly blends heritage with innovation, becoming the world's largest museum dedicated to a single civilization. Designed for sustainability, GEM integrates advanced energy efficiency, renewable energy covering 25% of its needs, and continuous environmental monitoring. It accommodates 5 million visitors annually, boosting tourism and showcasing Egypt's cultural legacy. GEM sets a global benchmark for aligning cultural preservation with environmental responsibility.

Majid Al Futtaim LEED Platinum Shopping Malls Trio

By: Majid Al Futtaim

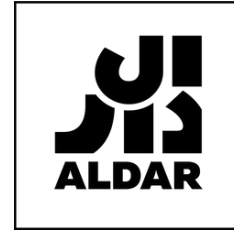
As a leader in the MENA region, we were the first to adopt a group-level net positive strategy and commit to the World Green Building Council's Net Zero Building Commitment. Sustainability is integral to our operations, with policies focused on efficient practices across our malls. Our malls—City Centre Deira, City Centre Bahrain, and City Centre Muscat—have all achieved LEED Platinum certification. Our resource management programs have significantly reduced our environmental impact, setting a benchmark for sustainable operations. We exceed sustainability criteria through innovative practices and results. Winning this award would highlight our commitment and inspire others to follow suit.

Sustainable Design Project of the Year

The Winner

Athlon

Award presented to: Aldar



Athlon is the first project in the UAE to achieve LEED for Communities Platinum and Fitwel Community 2-Star certifications, showcasing its commitment to sustainability. The project incorporates energy and water efficiency, native landscaping, smart waste systems, and sustainable construction practices to reduce its environmental impact. Its human-centric design prioritizes residents' well-being with active design principles and recreational facilities.

Sustainable transport features like walkways, bikeways, and EV charging promote greener living. Athlon's economic benefits make sustainable living affordable while supporting local economies. As a scalable model for future developments, it sets new standards in sustainable community design.



The Short-Listed Projects

Sustainable Design Project of the Year

Tilal Al Ghaf Distrikt

By: Majid Al Futtaim

The project, located in Dubai's first BREEAM Excellent certified community, sets a high standard for sustainability, contributing to the UAE's Net Zero by 2050 strategy. Key sustainable solutions include biophilic design, greentech technology, and greywater recycling for irrigation. The project ensures energy efficiency, waste diversion, and uses eco-friendly materials. Accessibility is prioritized with multiple transport options, including EV charging stations. The design fosters community interaction and well-being, making it a benchmark for future sustainable developments

Masdar EcoGym Sports Centre

By: DAR ALHANDASAH CONSULTANTS SHAIR AND PARTNERS

CO-LAB at The Link is a pioneering net-zero energy building in the MENA region, setting a new standard for sustainable development. It exceeds energy efficiency goals, producing 135% of its energy needs through photovoltaic panels. Targeting LEED Platinum, Estidama, and WELL certifications, the building promotes wellness through green spaces and sustainable design. With passive design elements and the use of locally sourced materials, CO-LAB minimizes energy consumption and supports the local economy. Its iconic, futuristic design aligns with the UAE's Net Zero by 2050 strategy, positioning Masdar City as a leader in sustainable urban development.



Healthy Spaces Project of the Year

The Winner

Little Explorers in City Centre Mirdif



Award presented to: Majid Al Futtaim Entertainment

Achieving the WELL Performance Rating certification sets a new standard for similar facilities globally, emphasizing the importance of data in achieving health and wellness in building spaces. Being the world's first children's education facility to receive this certification after a rigorous journey is a testament to Majid Al Futtaim Entertainment's commitment to providing healthy workplaces for our employees and customers. Our facility met stringent, evidence-based, and performance-based requirements, verified on-site and validated by a third-party certifying body.

This achievement underscores our dedication to excellence and innovation in creating healthy, sustainable environments.

By pioneering this certification, we have demonstrated leadership and a proactive approach to health and wellness, making our facility a model for others to follow. Our relentless pursuit of excellence and our focus on continuous improvement ensure that we not only meet but exceed industry standards, making us deserving of the Healthy Spaces Project of the Year award.



The Short-Listed Projects

Healthy Spaces Project of the Year

Winter Garden, Women and Children's Cancer Care Centre, Algiers

By: tangramSARL

The Centre is strategically located at the lowest point of an undulating site, with a design that aligns with key hospital structures and access points. The circular glazed podium connects the upper inpatient blocks to the main hospital, while the lower levels house critical equipment and energy centers. The design separates outpatient and inpatient areas, with a rooftop technical level shaded by solar panels. Sustainable landscaping, including native plants, enhances the healing environment, while the interior supports wellness-focused healthcare with UV management and air filtration. A winter garden and panoramic views integrate nature into the design, promoting healing for patients, especially those facing extended stays.



Sustainable Retrofit Project of the Year

The Winner

Aldar Portfolio Energy Retrofit

Award presented to : grfn & Aldar Properties



The Aldar Energy Retrofit Management Project stands out for its innovative, comprehensive approach to sustainable retrofitting, incorporating cutting-edge technologies for long-term sustainability. Under expert oversight, it has achieved significant energy savings and enhanced building performance. The project includes renewable energy systems and detailed LEED certification gap analyses for over 200 buildings, surpassing industry standards.

It has led to major reductions in energy consumption, district cooling demand, and CO2 emissions. With annual energy savings of 86 million kWh and significant financial savings, the project supports Aldar’s long-term goals of reducing energy intensity and achieving carbon neutrality by 2050. It offers a compelling financial case for sustainability investments with a four-year payback period. The project has earned the “ME Energy Project of the Year” award from AEE for 2024 and sets new standards in retrofitting.



The Short-Listed Projects

Sustainable Retrofit Project of the Year

Al Manara centre

By: Dubai Municipality

The Al Manara Center retrofitting project stands out for its innovation in enhancing energy efficiency, sustainability, and occupant comfort. It demonstrates significant energy savings through improved insulation, efficient HVAC systems, and lighting solutions. The project reduces the carbon footprint, conserves resources, and aligns with global climate goals. It improves building performance, providing a healthier environment for occupants. The project also engages stakeholders effectively and offers replicable strategies for future retrofitting efforts. Recognizing this project would highlight Dubai's commitment to sustainability and energy-efficient building practices.

Abu Dhabi Commerical Bank (ADCB) Facilities

By: RESET MENA

The RESET Energy project at ADCB office buildings in Abu Dhabi exemplifies targeted energy efficiency measures with profound social, economic, and environmental benefits. It achieved a 33% reduction in electricity consumption, saving 1,653 metric tons of CO2 annually. This was accomplished through advanced energy-saving measures, including chiller and pump replacements, HVAC optimization, and lighting retrofits. The project also adhered to industry standards, ensuring substantial cost savings and improved indoor environmental quality. Aligned with UAE's Net-Zero 2050 goals, the project inspires sustainability in the region.

بلدية دبي
Dubai Municipality



Sustainable Facility Management Organization of the Year

The Winner

Emaar Facilities Management

EMAAR

FACILITIES
MANAGEMENT

The Burj Khalifa showcases Dubai's global ambition and cultural fusion, with Emaar FM elevating its operations to world-class standards by adopting top sustainability practices. The building achieved excellence in energy efficiency, environmental impact, innovation, and learning development. Recognized with several prestigious awards, Burj Khalifa received a "World-Class" rating in FM operations from Jones Lang LaSalle and the Facility Management Organization of the Year award by MENA Green Building Council in 2020.

Emaar FM also led the region by aligning with Dubai's IoT strategy, being the first to implement IoT in facilities management. Their analytics-based maintenance project garnered recognition from several organizations, including the British Institute of Facilities Management and FM Middle East. Burj Khalifa's LEED Platinum certification further highlights its commitment to sustainability and environmental design.



The Short-Listed Projects

Sustainable Facility Management Organization of the Year

Farnek Services LLC

Farnek stands as a 360° sustainability market leader, with a comprehensive approach across social, economic, and environmental dimensions. The company focuses on community transformation, green building projects, and partnerships with NGOs. Employee empowerment and stakeholder engagement are key, along with smart solutions and innovation in facilities management. Farnek's commitment to sustainable growth, job creation, and the local economy supports its net-zero goal. Through transparency and reporting, and by testing and adopting new practices, Farnek leads the transformation of existing buildings to sustainable models. The company's strategic initiatives set benchmarks, inspiring others in the industry.



Sustainable Contractor of the Year

The Winner

Nael General Contracting LLC



Sustainability is at the core of NGC's business strategy, positively influencing the economy, environment, and communities. The company incorporates sustainable procurement practices and aims to evaluate suppliers based on their environmental and social responsibility. NGC is dedicated to promoting long-term sustainable development in the UAE, utilizing its position in the construction industry to build thriving communities. Its sustainability roadmap focuses on driving positive change and ensuring sustainability is integrated into the strategic framework.

With the UAE's "Year of Sustainability" in 2023-2024, NGC is determined to accelerate progress, supporting the government's efforts for a prosperous future. The company prioritizes innovation, collaboration, and responsibility, aiming for lasting environmental, social, and economic impact.



The Short-Listed Projects

Sustainable Contractor of the Year

PIVOT ENGINEERING AND GENERAL CONTRACTING COMPANY

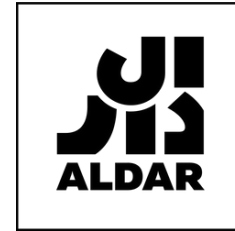
Pivot integrates a comprehensive sustainability approach into its operations, addressing key aspects such as energy and water management, waste and material productivity, procurement sustainability, workforce practices, and training programs. The company focuses on environmental, social, and economic sustainability, aligning its goals with top management engagement to mitigate risks. Pivot's sustainability efforts have earned recognition, including multiple awards from MENA EGBC, Sheikh Hamdan Environmental Award, and Construction Week 2023. The company also contributes to CSR campaigns and has achieved significant environmental KPIs and ISO 14001 certification with zero non-conformance reports, showcasing its commitment to a sustainable future.



Sustainable Developer of the Year

The Winner

Aldar



Aldar's sustainability achievements reflect its significant operations and positive impacts, leveraging its influence in the UAE real estate sector. Key initiatives include partnerships with government bodies like MOCCA and MOEI, community collaborations with Maan and Special Olympics, and sustainability efforts with COP28 and SBTi. The company uses green concrete, advances low-carbon designs, and promotes worker welfare through subcontractors.

Aldar's leadership is evident through its participation in global initiatives like Race to Zero and its top rankings in sustainability indices. Notable projects include the EcoLoop waste management plant and PV installations on 45 assets. In 2023, Aldar achieved an 87.5% recycling rate, 13% reduction in embodied carbon, and AED 10.5 billion recirculated into the local economy.



The Short-Listed Projects

Sustainable Developer of the Year

Masdar City

Masdar City is a leader in sustainable urban development, demonstrating that green buildings and sustainability are achievable, scalable, and commercially viable. The city is home to one of the largest clusters of LEED Platinum buildings. In 2022, it achieved significant carbon savings through efficient design, renewable energy, and smart management. Masdar City's holistic approach balances environmental, social, and economic sustainability. The team actively shares its innovative solutions, inspiring global change. By constantly pushing boundaries and refining its methods, Masdar City proves that a sustainable future is not only possible but within reach for all.



Sustainable Consultant of the Year

The Winner

DAR ALHANDASAH CONSULTANTS SHAIR AND PARTNERS



Dar offers exceptional sustainability services through a deep green approach and integrated design, providing technical guidance and sustainable analytics. The company focuses on achieving global environmental sustainability targets, contributing to carbon neutrality, and supporting the UAE's climate leadership. Dar's experience in the MENA region has led to developing policies that balance economic, environmental, and cultural factors.

Recognizing the importance of addressing climate challenges, Dar has actively engaged in decarbonizing the built environment. At COP27, Dar contributed to discussions on Net Zero, and at COP28, hosted over 23 sessions, engaging 65+ speakers and companies. In June 2024, Dar will host the WorldGBC Summit, further solidifying its commitment to sustainability and decarbonization.



The Short-Listed Projects

Sustainable Consultant of the Year

Arup

Arup leads sustainable practices in the MENA region, embedding sustainability in its projects and operations. Its work on the Dubai Building Code highlights its role in shaping regulatory frameworks. Innovative initiatives like the "Aldar Group Net Zero Plan" and the "Dubai Walk" address environmental and social sustainability, creating resilient communities. Collaborations with key authorities showcase Arup's regional impact. Landmark projects, such as the Net Zero Mosque at Masdar City, set global benchmarks for sustainable design. Arup actively shares knowledge and mentors future leaders, fostering a culture of sustainability throughout the region.



Cundall

Cundall is driving the built environment's journey to net zero, embedding sustainability in its operations and projects. Guided by a vision to be "agents of change for a sustainable world," the firm has achieved carbon neutrality and targets net zero carbon projects by 2030. Its Sustainability Roadmap tracks annual progress, leveraging advanced modeling to demonstrate lifecycle and environmental benefits. A founding signatory of WGBC's Net Zero Carbon Commitment and Board Director at EGBC, Cundall collaborates to set robust sustainability targets. Through training, knowledge-sharing, and stakeholder engagement, sustainability remains integral to its mission and impact.



Sustainable Manufacturer of the Year

The Winner

Saint-Gobain



Saint-Gobain is committed to creating a better world through its CSR pillars, focusing on decarbonization, circular economy, and societal well-being. The Group's 2030 decarbonization targets, validated by the SBT initiative, align with its 2050 net-zero goal, supported by €100 million annually for R&D and low-carbon technologies. Its circular economy strategy promotes recycled materials, product longevity, and innovative business models, exemplified by its Abu Dhabi gypsum recycling plant.

Saint-Gobain fosters inclusion, diversity, and a health and safety culture across its value chain. It provides sustainable solutions to decarbonize the built environment, conserve resources, and tackle rapid urbanization. Innovations include self-cleaning windows, photovoltaic glass, and smart insulation, enhancing comfort and efficiency. Recognized as a top industrial and innovative company, Saint-Gobain leads in sustainable solutions.



The Short-Listed Projects

Sustainable Manufacturer of the Year

Hilti Middle East FZE

The construction industry in MENA employs 10-15% of the workforce but is responsible for 30-40% of regional CO2 emissions, requiring urgent transformation. Hilti is committed to sustainability, partnering with customers to provide low-carbon solutions and reduce its carbon footprint through initiatives like fleet transition and solar installations. The company offers sustainability training to all employees and promotes wellness through mindfulness Team Camps across the region. Additionally, Hilti fosters social impact through the Hilti Foundation and volunteering programs, with over 520 employees participating in events. Hilti aims for net-zero emissions by 2050, driving transformation in the industry.



RAK Ceramics P.J.S.C

RAK Ceramics deserves the award for its exceptional and comprehensive approach to sustainability. The company excels in environmental sustainability by investing in energy-efficient technologies, reducing water usage, and minimizing waste through circular economy practices. It also cuts emissions with advanced logistics and tech solutions. Socially, RAK Ceramics promotes a safe work environment, employee development, and community engagement, partnering with groups like the Emirates Environmental Group. Economically, the company ensures responsible sourcing and leverages technology to enhance efficiency and product quality, driving sustainable growth. RAK Ceramics sets a high standard for sustainability across all sectors.



Sustainable Building Product of the Year – Indoor air Quality

The Winner

Manufacturer of Tiles and Sanitarywares Products

Award presented to : RAK Ceramics P.J.S.C

RAK Ceramics tiles stand out for their health, environmental, and performance benefits. Made from natural materials like clay and sand, they emit no harmful VOCs, unlike some synthetic flooring options, ensuring safer indoor air quality. The tiles are hypoallergenic and low-maintenance, preventing allergens like dust and pollen from accumulating and contributing to a cleaner environment. Resistant to mold and moisture, they are ideal for spaces prone to dampness, promoting healthier living areas.

RAK

CERAMICS

Sustainable and eco-friendly, RAK tiles are recyclable and crafted with sustainable materials, making them a responsible choice for the planet. Certified by “FloorScore” and French VOC standards with an "A+" rating, the tiles ensure zero harmful emissions during use. Using pure clays and water-based glazes, the tiles are chemically inert and environmentally safe, providing top-quality, durable solutions for homes, offices, and hospitals. RAK Ceramics prioritizes health, sustainability, and innovation in its product offerings.



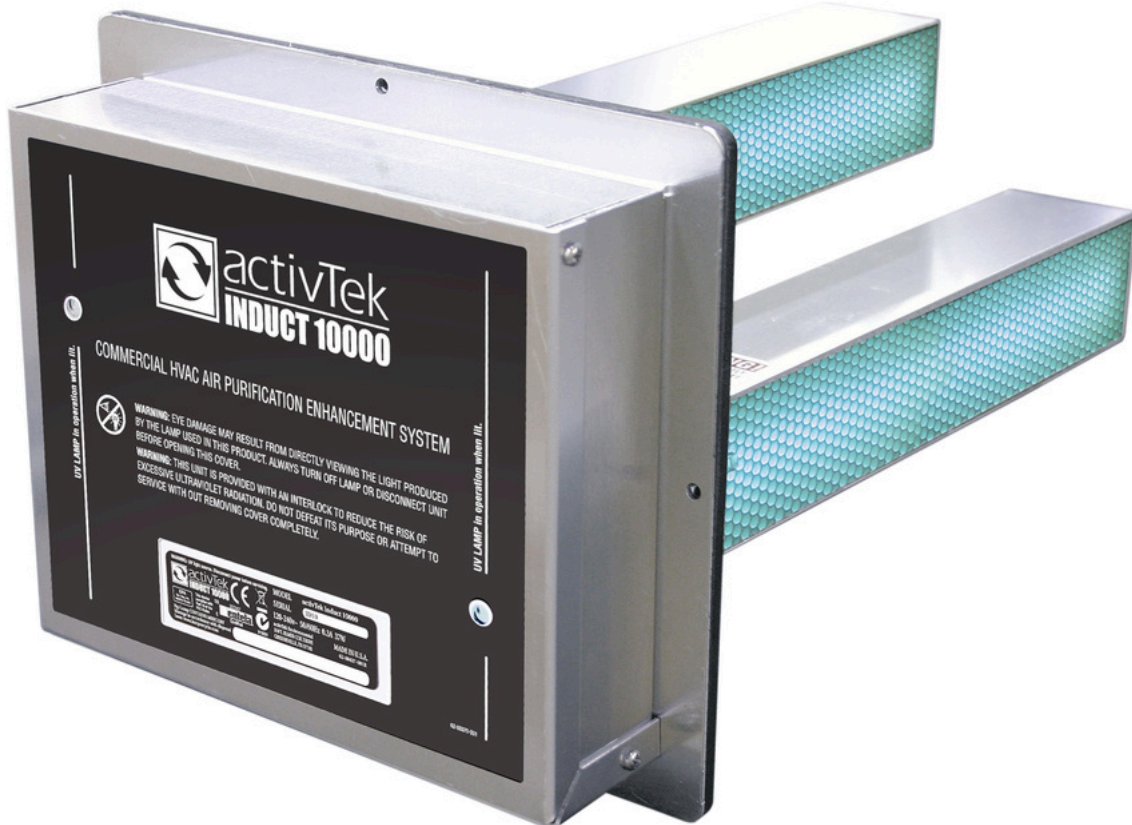
The Short-Listed Projects

Sustainable Building Product of the Year – Indoor air Quality

ACTIVTEK BY ACTIVEPURE

By: ACTIVTEK

RCI ActivePure® Technology is the most effective technology ever created to purify the air and remove pollutants from the air and surfaces. This is the only one in the world that works in the presence of people, maintaining microbiological purity both in the air and on surfaces. RCI ActivePure® technology was created for NASA. It works in the presence of people in an active way, eliminating bacteria, mold, fungi and viruses, (including the SARS-CoV-2 virus) and other pollutants harmful to health. Systems with RCI ActivePure® RCI technology, as friendly and safe systems for the environment and users, support the concept of eco-construction. RCI ActivePure® RCI technology contribute to obtaining points in LEED certification within the scope specified in the Green Product Card as well as WELL and BREEAM certification.



Sustainable Building Product of the Year – Energy Management

The Winner

EcoStruxure Power Monitoring Expert



Award presented to : Schneider Electric

Schneider Electric's EcoStruxure Power Monitoring Expert (PME) deserves the Product of the Year – Energy Management award for its outstanding contributions to sustainability and innovation. PME enhances energy efficiency and reduces carbon emissions, aligning with global sustainability goals and advancing green initiatives. Its scalable architecture connects to smart devices, offering advanced energy visualization and real-time monitoring to optimize energy reliability and efficiency.

PME delivers economic benefits by reducing energy costs, achieving shorter payback periods, and making sustainable practices attractive to businesses. Widely deployed across the MENA region, PME supports sustainable infrastructure, community development, and improved quality of life. With thousands of installations, its proven impact on energy efficiency, compliance with green standards, and social benefits highlight its transformative potential. Recognizing PME encourages broader adoption of sustainable energy solutions.



The Short-Listed Projects

Sustainable Building Product of the Year – Energy Management

SMART WALL MASONRY PANEL INSULATION SYSTEM

By: SMART INSULATION FINISHING SYSTEMS LLC

SIFS aligns with the UAE's 2050 net-zero vision by creating affordable, energy-efficient solutions like the Smart Wall Masonry Panel (SWMP). Guided by the principles of quality, sustainability, and innovation, SIFS developed SWMP after three years of research, focusing on designing energy-efficient wall systems and assessing their performance post-construction. Extensive studies, including data from their climatic chamber and a completed office project, showed significant energy savings through superior insulation, achieving U-values of 0.18 W/m²K and reducing HVAC energy demand—a key factor for net-zero buildings in MENA. The SWMP system demonstrated an ROI of under six years, proving net-zero energy buildings can be affordable with improved envelope insulation. By exceeding local green building U-value standards, SIFS offers cost-effective, durable, and high-performance thermal insulation, motivating the industry to prioritize sustainable construction.



SMART wall masonry panel

Sustainable Building Product of the Year

– Water Management

The Winner

The Filter Pot

Award presented to : Building Services Products Ltd



Effective water management in closed cooling systems is vital but often neglected, leading to corrosion, rust, leaks, and bacterial contamination. Poor water quality results in sludge buildup, frequent breakdowns, higher maintenance costs, and up to 30% reduced energy efficiency (BEIS Research Paper 2021/015). Cleaning system water cost-effectively restores efficiency without shutdowns. The Filter Pot Side Stream Filter operates using pump differential pressure, requiring no additional power. Its twin chambers include a magnetic grate for metallic debris and an Anti-Microbial Cartridge Filter for 0.5µm filtration, eliminating 99.9999% of Pseudomonas bacteria.

Expelling micro-bubbles slows corrosion, enhancing system longevity. Made from recycled cooking oil and 100% recyclable stainless steel, the Filter Pot supports sustainability by reducing carbon emissions. This innovation aligns with green building principles, making it a strong contender for the MENA Green Building Awards Product of the Year.



The Short-Listed Projects

Sustainable Building Product of the Year – Water Management

EMICOOL

By: Emirates District Cooling (EMICOOL) L.L.C

The Emicool Water Efficiency Project sets a benchmark in sustainable water management, increasing treated sewage effluent (TSE) use by 44% and cutting potable water reliance by 42%. By adopting a circular economy approach, it reduces carbon emissions and enhances ecosystem health.

The project incorporates reverse osmosis (RO) systems powered by solar energy to convert TSE into polished water, while ceramic ultrafiltration systems improve water quality and efficiency. Notably, the Expo cooling plant operates with direct TSE use and AI-driven automation for real-time monitoring and optimization. This initiative combines environmental impact with economic viability, advancing green building sustainability.



Sustainable Building Product of the Year – Construction Material

The Winner

Smart Wall Masonry Panel EIFS System

Award presented to :Smart Insulation
Finishing Systems



SIFS is committed to achieving net-zero energy, aligning with the UAE's 2050 vision for carbon neutrality. Guided by the principles of quality, sustainability, and innovation, SIFS developed the Smart Wall Masonry Panel (SWMP) wall system after three years of intensive research. The SWMP system enhances energy efficiency by reducing building energy demand through superior insulation, achieving U-values of 0.18 W/m²K. Extensive studies in SIFS' climatic chamber and real-world projects demonstrate significant HVAC energy savings and reduced operational costs.

Case studies confirm that focusing on high-performance envelopes makes net-zero buildings affordable, with ROI on insulation improvements achieved in less than six years. The SWMP system encourages the industry to exceed green building code standards, offering a cost-effective, durable, and thermally efficient solution. Its innovative design simplifies wall construction while maintaining quality and environmental benefits, making it a pivotal step toward sustainable construction in the MENA region.



Sustainable Building Product of the Year – Construction Material

The Winner

Hydro CIRCAL®

Award presented to :TECHNAL (Hydro Building Systems Middle East)



Hydro CIRCAL is a leader in sustainable building materials, making a significant impact in the MENA construction industry. The company uses high recycled content aluminum, such as Hydro CIRCAL 100R and 75R, reducing the embodied carbon footprint of buildings and aligning with global sustainability goals. Its products contribute to LEED points across 13 categories, enhancing buildings' environmental credentials. Verified by DNV GL with an Environmental Product Declaration (EPD), Hydro CIRCAL ensures transparency in its environmental impact.

By promoting the circular economy, it reduces reliance on virgin materials, supports local recycling, and creates economic opportunities. Hydro CIRCAL also raises awareness and fosters sustainable practices in the construction sector, setting industry standards. Its commitment to transparency, third-party verification, and low-carbon solutions establishes Hydro CIRCAL as a benchmark for eco-friendly construction.



The Short-Listed Projects

Sustainable Building Product of the Year – Water Management

Leadax Circular Waterproofing

By: Leadax Roov

Leadax is a leader in sustainability, with its roofing product, Leadax Roov, achieving a unique CO2 equivalent of 7.66 kg/m², as confirmed by NIBE research. It uses recycled plastic PVB waste, promoting the circular economy and reducing landfill waste. The production process is energy-efficient, minimizing greenhouse gas emissions. Leadax Roov's durable design reduces the need for frequent replacements, lowering its environmental impact.

The product is recyclable, reducing the demand for virgin materials. Its high solar reflectance contributes to energy savings for cooling buildings. Leadax is committed to the UN's SDGs and creates jobs in cleantech technology. The company also engages in local sponsorships, collaborates with educational institutions, and shares knowledge to support a low-carbon future.



Sustainable Building Research Award

The Winner

Eco Seawall Panels: Redefining Sustainable Coastlines

Award presented to : AD Ports Group

The Eco SeaWall Panel project is a strong candidate for this Award due to its innovative approach to marine conservation. It is the result of extensive R&D and a bi-monthly monitoring program that tracks its effectiveness in promoting marine biodiversity. The panels mitigate the negative impact of quay walls on marine life by providing a habitat for intertidal species, increasing species count and diversity.

The modular design of the panels allows easy retrofitting onto existing quay walls, showcasing sustainable engineering principles.

The project also promotes waste reduction by using recycled and locally available materials.



مجموعة موانئ أبوظبي
AD PORTS GROUP

A multi-party collaboration between entrepreneurs, researchers, ecologists, and designers ensures its success.

The scalable solution offers benefits to various stakeholders, improving marine ecosystems and supporting sustainability goals. Additionally, the project promotes capacity building and education through partnerships with students and professionals. Overall, it fosters innovation, sustainability, and collaboration, making a lasting impact on ocean health.



The Short-Listed Projects

Sustainable Building Research Award

A Sustainable Built Environment - Seizing the Middle East's US\$2 Trillion Opportunity

By: PwC Middle East, Strategy& Dar Al-Handasah Consultants

This submission is a strong contender for the Sustainable Building Research Award of the Year due to its leadership and innovation in sustainability. It addresses the unique environmental challenges in the Middle East, offering tailored solutions for sustainable development. The project combines expertise from PwC, Strategy&, and Dar Al-Handasah to effectively tackle sustainability issues.

With over 30 stakeholders involved, the initiative identifies 17 innovative approaches and 50 Middle East-specific levers to cut emissions by 50-60%. It aligns with the UN SDGs, providing a clear path for the region to achieve sustainability goals.

The project's long-term impact promises environmental, economic, and social benefits, offering a replicable model for sustainable consultancy globally.

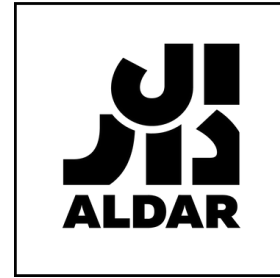


Sustainability Training Initiative of the Year

The Winner

Suppliers Upskilling program

Award presented to : Aldar



Aldar's Supplier Upskilling Program stands out for its comprehensive approach to sustainability, making it a strong contender for the Sustainability Training of the Year award. Launched in 2024, the program has successfully trained over 60 suppliers, enabling them to contribute effectively to Aldar's net-zero objectives. Key focus areas include carbon accounting, emission reduction, clean energy adoption, waste management, and sustainable procurement, addressing 54.3% of emissions from the supply chain.

The program aligns with both regional and global sustainability goals, promoting the advancement of the green building industry. Aldar's leadership is evident through high standards, rigorous training, and a long-term strategy for a resilient supply chain. By winning the award, Aldar's efforts would be recognized, inspiring other organizations to implement similar sustainability initiatives in the sector.



The Short-Listed Projects

Sustainability Training Initiative of the Year

Responsible Procurement Training

By : Majid Al Futtain Holding LLC

Our application stands out for its comprehensive approach to sustainability, aligning with the UAE's 2028 goals. We focus on upskilling employees and suppliers with training in areas like human rights and responsible procurement, enhancing resilience.

Economically, we aim for 100% training participation by 2028 and support local economies with sustainable practices. Environmentally, we collaborate with suppliers to reduce emissions and establish sustainability standards.

These initiatives reflect a deep commitment to sustainability and continuous improvement, benefiting employees, suppliers, and the community, making us a deserving candidate for the award



Expo School Programme

By : Terra, part of Expo City Dubai

We should win this award because of our proven track record in driving impactful educational initiatives that align with the UAE's national sustainability goals. Our innovative approach, strategic involvement in global events like COP28, and our unwavering dedication to fostering a sustainable culture make us a standout candidate. By recognizing our efforts, the Emirates Green Building Council would not only endorse our initiatives but also inspire other organizations to elevate their contributions to a sustainable future. Expo City Dubai's initiatives reinforce our position as a beacon of environmental stewardship and innovation, and we are committed to leading by example in the quest for a greener world.



Dr. Owainati Student Excellence Award

The Winner

Mohamed Farmaan Abdul Khader

Performance Assessment of Buoyant Shrouded Wind Turbines: A Computational Study

Paper's Executive Summary:

This study aimed to introduce a modified turbine capable of operating in low-wind regions like the MENA region by incorporating a buoyant shroud to enhance wind flow rates. A computational analysis compared the performance of a traditional HAWT turbine with and without the shroud. With the UAE's net-zero emissions target for 2050, wind energy potential, particularly in elevated and high-altitude regions, remains untapped. The research included validation of computational models, shroud optimization using a custom airfoil profile, and performance comparisons. Results showed that the shrouded turbine produced 186% more power than a standard turbine under identical conditions due to a 270% increase in available wind power and a 61% rise in airflow rate. The 13-meter chord length shroud profile proved most efficient. This research highlights the potential for wind energy in the UAE, where less than 1% of renewable energy comes from wind, emphasizing the untapped opportunities for both onshore and offshore capabilities.



The Short-Listed Papers

Dr. Owainati Student Excellence Award

Ayah Rahmoun

Dust Impact on Building-Integrated Photovoltaic (BAPV) Systems in the UAE

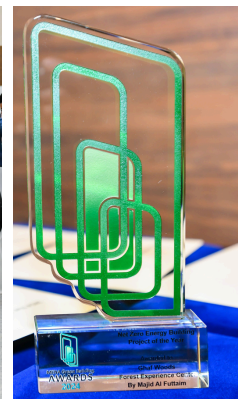
This study explores the impact of dust on Building-Integrated Photovoltaics (BAPV) in the UAE, where dust reduces solar panel efficiency by up to 11%. It evaluates solutions like robotic dry-cleaning systems to enhance energy output and reduce maintenance costs. Aligned with the UAE's sustainability goals, the research highlights BAPV's role in reducing fossil fuel reliance. Addressing dust challenges is crucial for the efficiency and sustainability of BAPV systems, advancing green building practices in arid regions and supporting the UAE's sustainable development vision.

Sarah Abdulwahed, Boushrah Abdulwahed and Hanan Hamwieh

Hassad- Sustainable Agricultural Hub

This study proposes a modular, resource-efficient agricultural facility using hydroponics and advanced automation to address the UAE's food import reliance. Designed for energy efficiency and high crop yields, it includes educational spaces to foster community engagement. Scalable and replicable, the model supports food self-sufficiency and resilience, offering a transformative approach to sustainable agriculture in the UAE.







2024

MENA Green Building

AWARDS

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The categories for the 2025 MENA Green Building Awards and the modalities to apply will soon be shared on the EmiratesGBC website and on social media. Sponsorship opportunities are also open. Keep yourself posted and do not hesitate to contact us if you have any questions.

awards@emiratesgbc.org

Special Thanks

Emirates Green Building Council would like to thank the Sponsor who contributed in making this 2024 Awards Program a great success:



Emirates Green Building Council would also like to thank all those who contributed to the success of the 2024 Awards Program and Gala event:

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- ★ EmiratesGBC Management Committee
- ★ EmiratesGBC Mena Awards Committee
- ★ Awards Ceremony and Gala Dinner Emcee: Aisha Al Marzooqi
- ★ PR/media: Burson
- ★ Photography: Noel Yambao
- ★ Gala Dinner & Awards Ceremony: JW Marriott Marina, Dubai

The Emirates Green Building Council was formed in 2006 with the goal of advancing green building principles for protecting environment and ensuring sustainability in the United Arab Emirates.

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