






GREENPRINT FOR THE FUTURE

Challenges drive progress. Our ambition of becoming a sustainability leader in our industry is motivated by the need to master the challenges thrown up by climate change. Several opportunities exist, and we are already working to embed sustainability in many ways.

Focus areas		Material topics
 <p><i>Climate action</i></p>	 <p><i>Energy management</i></p>	<p>Energy management and renewable energy usage</p> <p>Environment compliance</p>
 <p><i>Waste management</i></p>	 <p><i>Water management</i></p>	<p><i>Stakeholders</i></p> <p>People</p> <p>Partners and Suppliers</p> <p>Communities</p> <p>Customers</p> <p>Investors</p>
		

32%
Waste segregation rate

8 Mn gallons/year
Cumulative impact of our water conservation activities in Dubai

Strategic mandate

At Emaar, we are driving change at different levels. Our commitment to UAE's Net Zero by 2050 agenda furthers our sustainability objectives.

Aspire to be an industry leader in sustainability

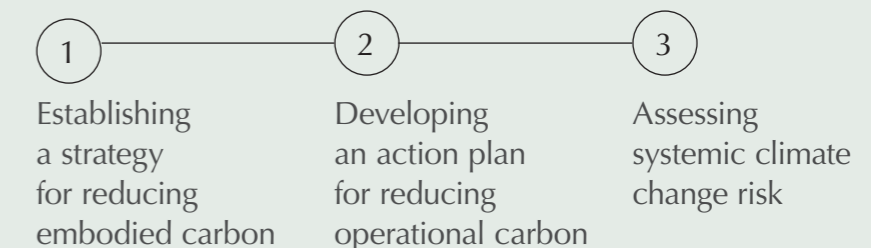
- Clean water
- Affordable clean energy
- Automation and process optimisation
- Waste management

Several initiatives are underway both across our projects under development and at our inhabited communities that address water conservation, emissions reduction and clean energy, process optimisation and resource use management, waste management and responsible material use.

Our strategy for climate action involves developing an action plan to reduce operational carbon and develop sustainable communities. In keeping with the global shift towards greener construction methods, we are also developing strategies for reducing embodied carbon and using planet-friendly materials, fixtures and design standards.



Climate action strategy



We have adopted several quality management systems to add greater rigour and discipline to our operations and lend efficacy to the transition towards sustainability. These well-defined, verifiable systems are helping to streamline our energy, environment, facility, asset and service quality standards. They have established clear and tangible ways to consolidate on gains, while ensuring that all actions follow an iterative mechanism, which can also be scaled.

Attaining environmental excellence

<p>ISO 14001 Environment Management System</p>	<p>ISO 55001 Asset Management System</p>
<p>ISO 50001 Energy Management System</p>	<p>ISO 9001 Quality Management System</p>
<p>ISO 41001 Facility Management System</p>	



Emaar Innovation Challenge: Curating next-generation solutions

The Emaar Innovation Challenge was launched in 2022 to encourage ideation for more sustainable urban living. The Challenge was left open to all innovators, including entrepreneurs and start-ups. All entries

were then evaluated by an expert panel on parameters of creativity, feasibility, scalability, user experience and potential impact. The Emaar Innovative Challenge received 240 entries from 43 countries.

The Emaar Innovation Challenge presented four critical challenges to innovators:

- | | | | |
|--|---|--|--|
| 1 | 2 | 3 | 4 |
| <p>Develop smart buildings:</p> <p>Develop integrated solutions to improve the efficiency and sustainability of Emaar's buildings, such as smart energy management.</p> | <p>Enhance customer experience:</p> <p>Develop solutions to improve customer services, such as virtual reality experiences or mobile applications.</p> | <p>Leverage data and technology:</p> <p>Develop solutions to leverage data and technology that optimise business operations and customer experiences.</p> | <p>Develop sustainable solutions:</p> <p>Develop solutions to reduce the environmental impact of the built environment, such as smart energy management systems or renewable energy projects.</p> |

With the winning solutions, we hope to enhance sustainability in our operations and the services we deliver.



Energy management

Our energy management initiatives aim to reduce greenhouse gas emissions, fossil fuel usage and operational costs, while enhancing equipment efficiency. The Emaar Energy Management Process (EMP) lies at the core of our energy management thinking. It has been established with the aim of optimising operational asset efficiencies and maximising renewable energy opportunities. EMP helps us increase revenues by reducing energy usage and costs, improves our competitive position as a world-class facility management company and lowers Emaar Development' and UAE's carbon impact.

308.99 GWh

Total energy consumption

Energy conservation and shift to renewables

In line with the target of reaching Net Zero by 2050, we have undertaken a number of initiatives in support of clean energy. From expanding the coverage of solar installations at our communities to installing smart equipment like variable frequency drives for demand control ventilation, we are constantly looking for ways to make our properties self-sustaining and energy efficient. Further, feasibility studies are underway across several Emaar communities for adoption of solar installations. This includes Golf Towers in the Greens community with an estimated ROI of eight to nine years.

Awards

FM Middle East Awards: Technology Implementation of the Year: Data Driven Energy Centered Maintenance | Emaar Facilities Management

All our new developments will be EV-ready, with adequate charging facilities for electric vehicles. In our existing communities, 35 EV chargers have been installed across properties and residential assets.

To identify further Energy Conservation Measures (ECMs), we carried out an energy management inspection and audit at one of our communities. Several ECMs were identified with an annual savings potential of 17.60% which are currently being implemented.





Waste management

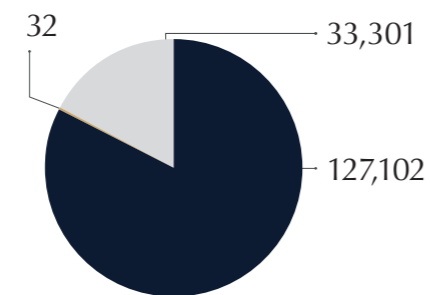
Our waste management initiatives aim to reduce waste production, minimise waste sent to landfills, and ultimately reduce greenhouse gas emissions. We take construction and operational waste into account and have invested in reducing waste generation and increasing source separation. Across our communities, a number of waste management initiatives are currently underway, each of which is tailored to specific waste characteristics and employs the most efficient conservation strategies.

32%
Waste segregation rate

160,435 MT
Total waste generated

10-15% reduction
In input materials used through optimised design

Waste generated by type (MT)



- Non-hazardous waste generated
- E-waste generated
- Bio-waste generated



Recycling campaign: Collect My Junk, Collect My Green Waste

At Emaar Communities, we have implemented a recycling awareness campaign that makes residents aware about ways and means of waste reduction, reuse and recycling and encourages them to practice responsible waste management.

Posters and brochures were distributed via email blasts and posted on community bulletin boards and gatehouses as part of the campaign. As part of the drive, the green waste generated by households at horizontal communities is being collected at no additional cost. With this campaign, we took another step towards building a circular economy at Emaar.





Water management

Efficient water management is a priority for Emaar as our properties use more than 802 Mn gallons of water each year. We carefully monitor water usage and costs. The measures include sub-metering to limit use and leak detection. Sub-metering allows tenants to see their water usage, which helps them save.

267 Mn gallons

Total water consumption

Water conservation measures

Water conservation decreases diversion of freshwater from the ecosystem, and also saves the energy required for its extraction, treatment and transportation. Several measures are underway including the use of efficient fixtures, smart landscaping, improved irrigation processes, and water efficient cleaning equipment.

Smart irrigation for landscaping has been introduced at a number of our communities. Smart irrigation technology uses weather data or soil moisture data to determine the irrigation need of plants and avoids unnecessary watering. Further, Treated Sewage Effluent (TSE) water from the Dubai Municipality is being used for landscaping purposes. Currently, such techniques are in use at our Arabian Ranches I, II, Reem, Emirates Living, Dubai Hills Estate, Polo Homes, Downtown Dubai, Dubai Marina and Dubai Creek Harbour communities. It is estimated that through this initiative 6% water savings will be achieved.

Low-volume aerators have been installed in the showerheads at swimming pool amenities. More than 2,000 such aerators have been installed across Emaar communities.

8 Mn gallons/year

Cumulative impact of our water conservation activities in Dubai

