Museum of The Future

Facts

Official Name: Museum of The Future
Structure Type: Building
Status: Architecturally Topped Out
Country: United Arab Emirates
City: Dubai
Street Address & Map: Sheikh Zayed Road
Building Function: Museum / retail
Structural Material: steel/concrete
Energy Label: LEED Platinum
Proposed: 2015
Construction Start: 2017
Completion: 2020

Companies Involved

Owner: Dubai Future Foundation
Developer: Meraas Development
Architect: Killa Design
Structural Engineer: Buro Happold
MEP Engineer: Buro Happold
Main Contractor: BAM International
Other Consultant: Koltay Façades

About Museum of The Future

The primary inspiration of the Museum of The Future was to create a form that represents the client’s vision of the future, where the physical building represents and contains within its exhibition floors, our understanding of the “future” as we know it today and for the next 5 to 10 years. In contrast the ‘void’ represents what we do not yet know, and that the people who seek the unknown will continue to innovate and discover to help guide humanity towards a better future, whereby creating the continuum of replenishing the Museum of The Future.

Occupying a prime location adjacent to the Emirates Towers, the Museum of The Future is an expressive and dynamic landmark. The Museum of The Future is comprised of three main parts: the green hill, the building and the void.

The green hill represents the earth, with solidity, permanence, and rootedness in place, time and history. This is done through the smooth transition from the site in the form of an earthen, vegetated mound with minimal visible built intervention. The inspiration for the green hill was also to elevate the building in a calm and unobtrusive way above the metro line and create greenery in elevation that is uncommon in Dubai where visitors can enjoy while engaging with the Museum.

Likewise, the glimmering, futuristic upper building represents mankind, with all of its strength, artistry and ability to create in harmony with its surroundings. This is formed by the bold shape which emerges from the hill, covered with the Arabic calligraphy about the future, and displaying mankind’s passion for the arts and creating.

Figures

Height: Architectural: 77.8 m / 255 ft
Height: Occupied: 64.7 m / 212 ft
Height: To Tip: 77.8 m / 255 ft
Floors Above Ground: 9
Floors Below Ground: 1
# of Elevators: 10
Tower GFA: 17,000 m² / 182,986 ft²
Lastly, the elliptical void within the upper structure represents innovation. This is done primarily by creating an empty space showing the unwritten future into which humanity, and the world can symbolically look towards. This open and unburdened future is an inspiration which can drive the innovators and creators of today.

The Museum is not only a visual and artistic beacon, but also sets new innovative benchmarks. As a 17,000m² torus-shaped building clad in stainless steel, achieving LEED Platinum status, and designed holistically through BIM at every design stage, the building represents the future through innovative design principles, implementation and construction. The design is a low carbon civic building achieved through the use of many design innovations which include parametric design, passive solar architecture, low-energy and low-water engineering solutions, recovery strategies for both energy and water, and building integrated renewables.

The building accommodates six exhibition floors and one administration floor above a 3-level podium containing a food and beverage deck, with auditorium, retail, parking and services.

On the whole, the distinctive features of the design will create a timeless landmark that will be a shining example for all future low carbon buildings in the United Arab Emirates.

As an institution dedicated to design and innovation, the Museum of The Future is a destination for the best and brightest inventors and entrepreneurs, offering an integrated environment empowering creative minds to test, fund and market ideas for futuristic prototypes and services. It brings together inventors, designers and researchers, presenting a range of technologies, becoming an incubator for ideas and designs, a driver for innovation, and a global destination for inventors and entrepreneurs.

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