

Zayed National Museum in Abu Dhabi Completes

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An iconic cultural landmark honoring the legacy of Sheikh Zayed bin Sultan Al Nahyan, the museum's five soaring, falcon-wing-inspired towers rise from Saadiyat Island, blending heritage, sustainability, and visionary architecture.

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Words Foster and Partners.

Photography Foster and Partners and Nigel Young.

Zayed National Museum has opened its doors to the public. Located at the heart of the Saadiyat Cultural District in Abu Dhabi, the new national museum of the United Arab Emirates (UAE) traces the history of the Emirates, from the earliest evidence of human habitation to the civilizations that shaped its culture and identity, rooted in the values of the UAE's Founding Father, the late Sheikh Zayed bin Sultan Al Nahyan. The building's form addresses the challenge of sustaining life in a desert environment and the strong cultural traditions of the UAE.

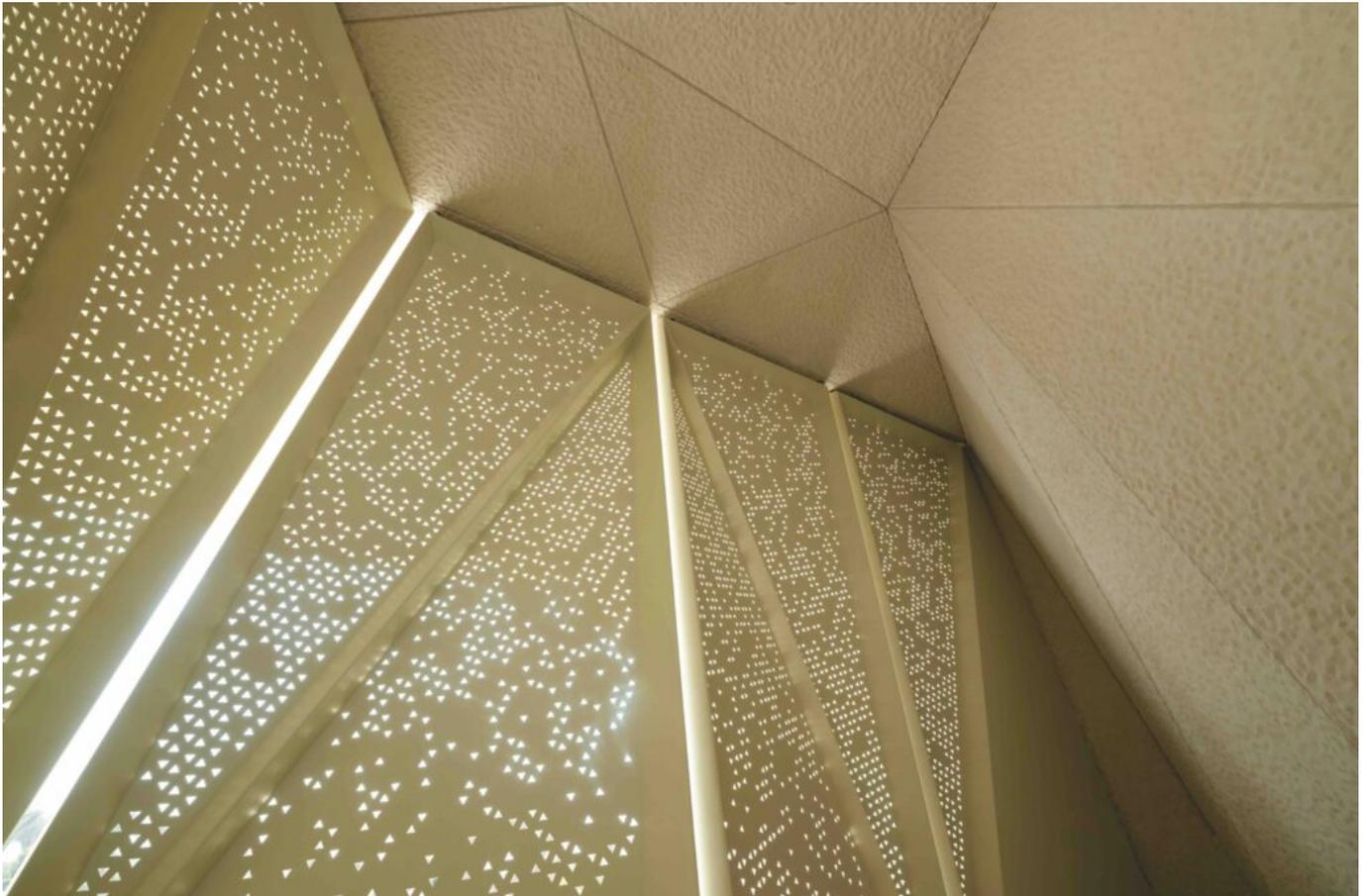
Norman Foster, Founder and Executive Chairman, Foster + Partners, said: "Zayed National Museum tells the story of Sheikh Zayed's creation of the Emirates and the many facets of his legacy, including his vision of greening the desert. The building itself is an expression of sustainability, with five aerodynamic wings that are an integral part of the environmental system, acting as thermal chimneys and drawing cool air through the public spaces. They are also symbolic of Sheikh Zayed's love of the traditional sport of falconry and have become markers on the city skyline."

Mohamed Khalifa Al Mubarak, Chairman, Department of Culture and Tourism - Abu Dhabi, said: "Zayed National Museum gives our nation's story a permanent home. Our national museum serves to preserve and share our past while connecting generations. It is where our children and grandchildren will discover the values that built this country: unity, humility, openness, and respect for heritage. These are lived principles that continue to guide us, and when visitors from around the world walk through these galleries, they will gain a deeper understanding of the United Arab Emirates—past, present and future."

Gerard Evenden, Head of Studio, Foster + Partners, said: "This project has allowed

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us to realize – on a grand scale – many of the issues relating to architecture and sustainable design that have been central to the practice’s work for decades. It has been a pleasure to collaborate with such visionary stakeholders, whose extensive knowledge of the region grounded our work.”



Intricate perforated panels filter daylight into the museum, casting delicate patterns that echo traditional Emirati craftsmanship.

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A luminous interior with sweeping columns and flowing ceilings, creating a calm, monumental journey through history.



A contemplative gallery space where historic stone walls and immersive projections connect visitors to the UAE's deep past.

The museum's five lightweight steel wings are part of the system of natural ventilation. Air vents open at the top of the towers, taking advantage of the negative pressure on the lee-side of the profile to draw hot air out from the atrium, assisted by the thermal effect of the heat build-up on the tips of the wings. Air that has been naturally cooled through pipes buried deep below the desert floor then flows into the atrium through a low-level ventilation system. The wings are glazed to channel natural light into the galleries below, and each one is individually tuneable.

Each of the pod-shaped galleries is curated to reflect a specific theme, while the connecting nodal spaces provide contextual information that tie them together.

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The museum spaces are located within a mound, which has textured faceted panels that are an abstraction of the UAE's topography. The mound insulates the interior spaces from solar gain, forming a protective shield that prevents heat from entering the building. When visitors step inside the museum, they enter the lightfilled atrium, or Al Liwan, which serves as both a meeting and orientation space, hosting performances such as traditional dance and poetry.



An immersive gallery where monumental digital landscapes and artifacts bring the UAE's ancient environment and heritage to life.

Of the six permanent galleries, four podshaped galleries are suspended above Al Liwan, and provide controlled environments to protect the sensitive artefacts on display. The towers' triplelaminated glazing moderates the amount of daylight entering the lobby and the gallery spaces. The glazing includes a dense mesh

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interlayer, and each pod has a rooflight made of electrochromic glass that changes its transparency in response to outside light levels.



A circular performance space within the museum, where architecture and tradition converge in a setting designed for living cultural expression.

Each of the pod-shaped galleries is curated to reflect a specific theme, while the connecting nodal spaces provide contextual information that tie them together. Visitors can choose their own route through the different galleries and make their way to the upper level via a sculptural spiral staircase or lifts. At ground level, there are also two more permanent gallery spaces that are near to the museum's entrances, as well as a temporary exhibition space, a fine dining restaurant, and a cafe.

Outside the museum building, Sheikh Zayed's love of nature is represented by the Al Masar Garden, which links the building to the coast. Integrating landscape and heritage, the garden is intended as a new community asset, with spaces for socializing, play, and reflection. Visitors are also invited to take a shaded route from ground level to a viewing platform at the top of the mound, at the base of the steel

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towers, which offers panoramic views of the surrounding area.

Materials have been carefully selected to resonate with the local surroundings and mirror historic buildings across the seven Emirates, which reflect the changing color of the sand in different locations. Building on this tradition, both the museum's exterior and its interior spaces mirror the distinctive warm-white shade of sand that is found on Saadiyat Island.

The project has been delivered in close collaboration with the Department of Culture and Tourism in Abu Dhabi.



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The towers' triple-laminated glazing moderates the amount of daylight entering the internal spaces.



A traditional dhow beneath sweeping

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concrete forms, linking maritime heritage and contemporary design.



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