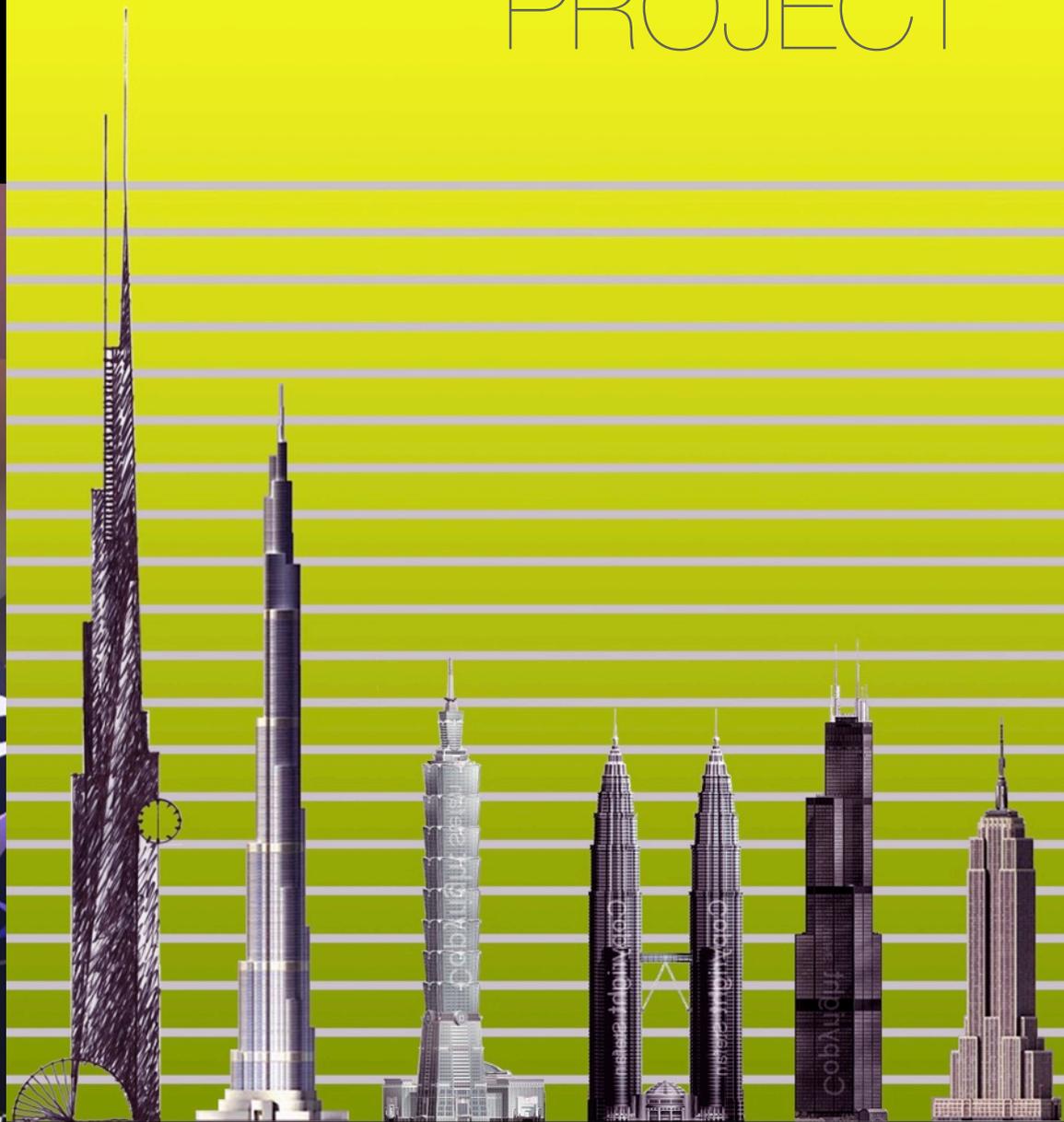
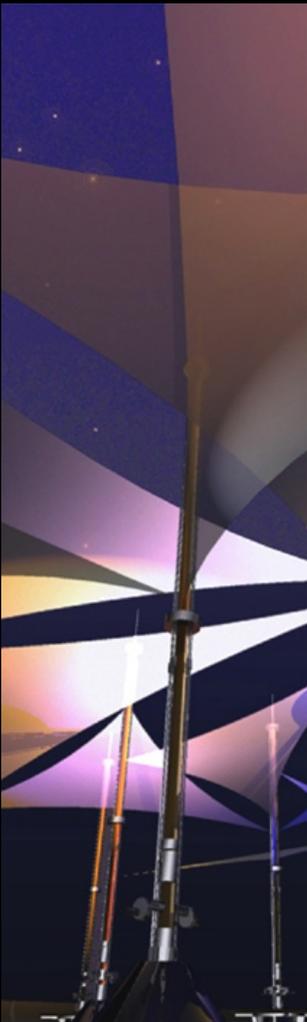


THE WORLD'S TALLEST HIGH-RISE IN ABU DHABI

The

# Sundial Island

PROJECT



(Abu Dhabi)

Burj Dubai  
(Dubai)

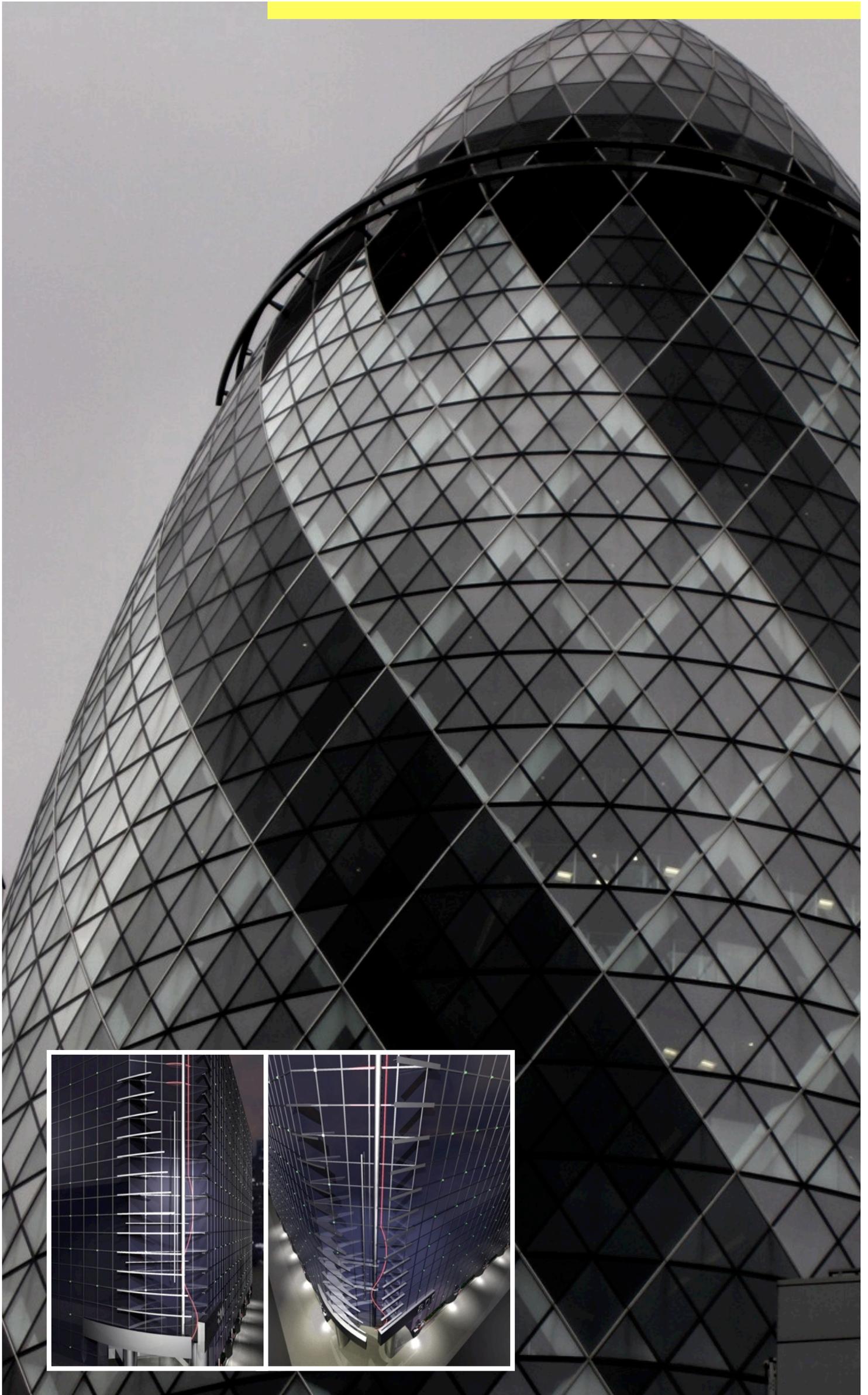
Taipei 101  
(Taipei)

Petronas Tower  
(Kuala Lumpur)

Sears Tower  
(Chicago)

Empire State  
(New York)

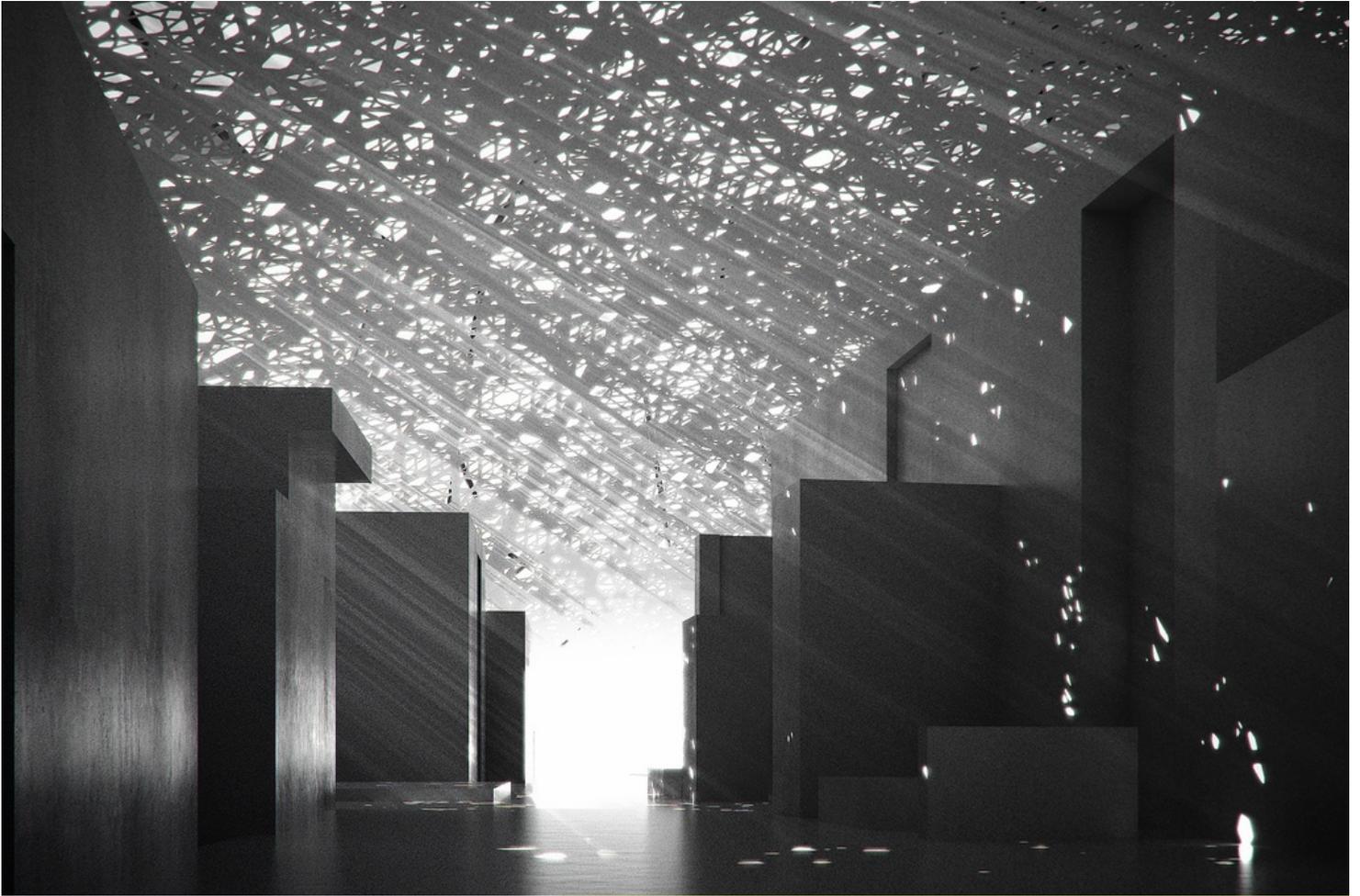
PROPOSED DEVELOPMENT



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# Executive Summary & Overview



*Interior views of Arab culture inspired projects*

**Location:**

Abu Dhabi,  
United Arab Emirates

**Project Size:**

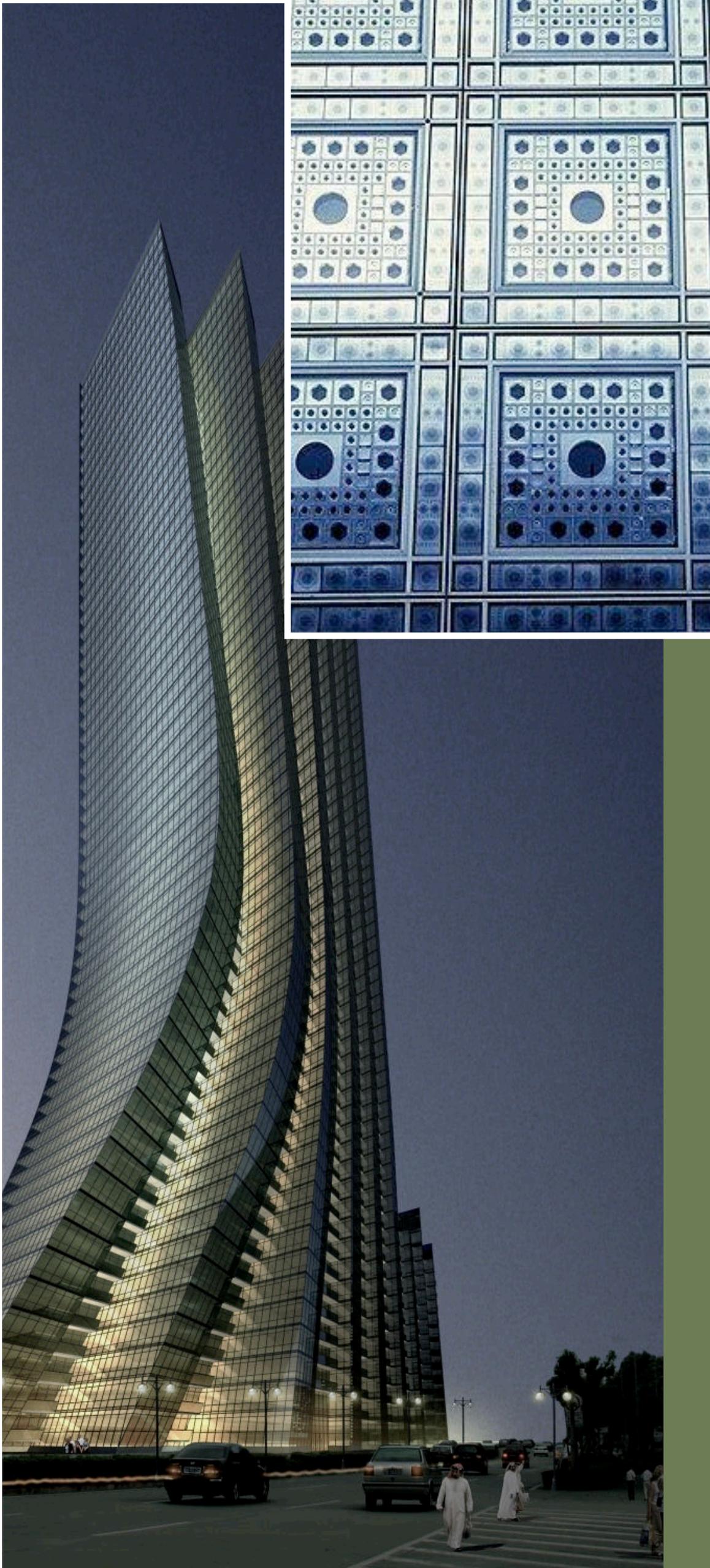
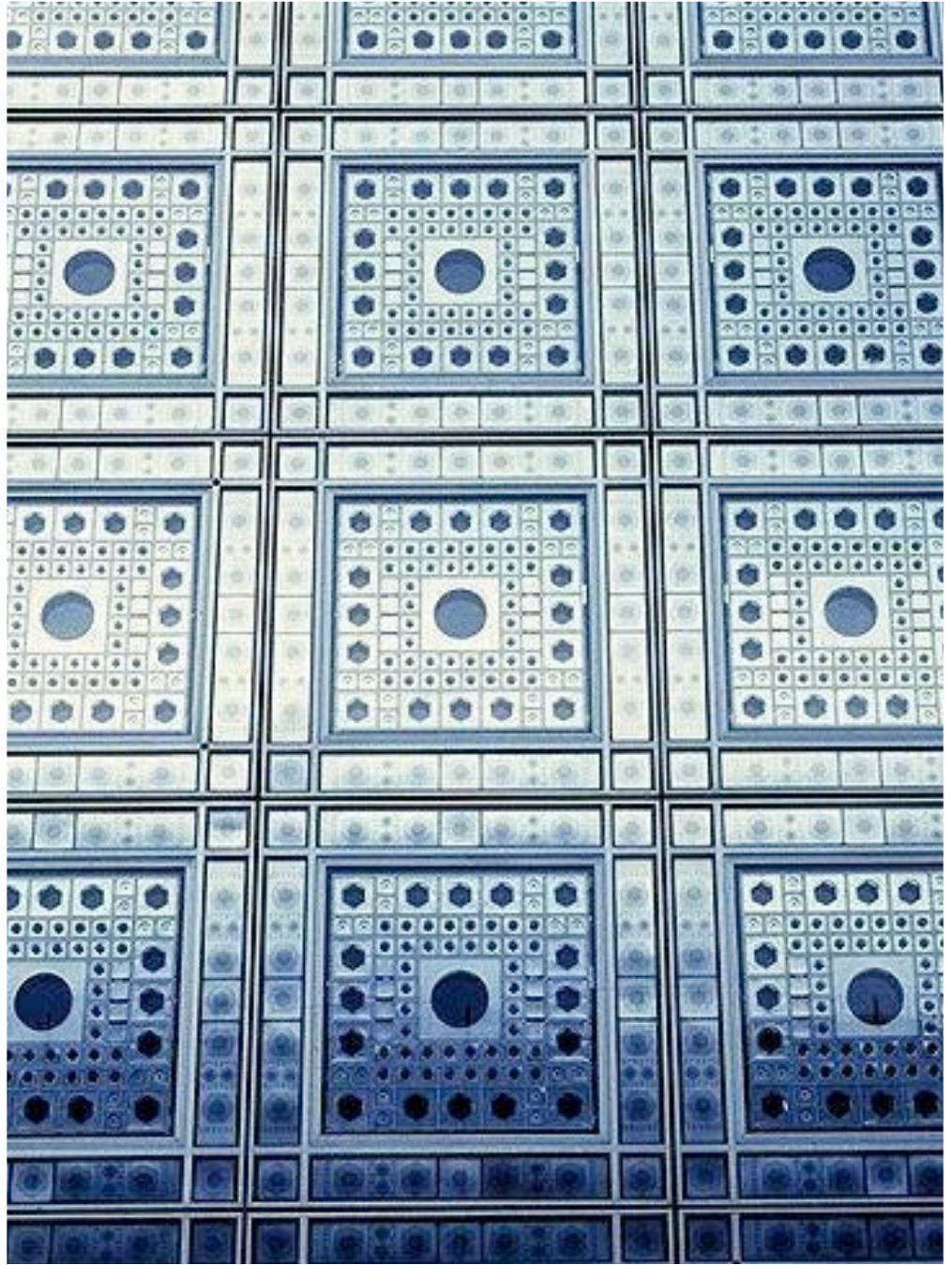
1.1 million m<sup>2</sup>

Designed to be the tallest structure in the world, the The SUNDIAL ISLAND Tower will be erected in Abu Dhabi with construction starting in 2009. The tower will be the centerpiece of an 1.1 million square meters project to include a 1,000 meter high tower and a 100,000 square meters, 6 story cloister housing the Barakat Middle Eastern Museum and Conference Center. The tower will be based on a modern faceted design with 20 transitional floors throughout for elevator sky lobbies and mechanical plants. The base will be highlighted by a Michel Medawar – conceived circular restaurant, 100 meters in diameter. The tower itself will also function as the world’s largest SUNDIAL, further inspired by Michel Medawar. The building will cast shadows on the appropriately designed surroundings at a precise time of day with specific color accents and multimedia experience, thus creating a kinetically artistic image of time at never before attempted scale. The skyscraper will reach a height of 1220 meters at the top of the antenna farm and transmission tower as the crown of the structure. The building site will total 46 acres with 16 acres open public spaces, consisting of plazas, gardens, water features, public and private volumes and numerous cultural venues, such as several performance theaters, exhibition spaces, as well as the world’s first SUNDIAL History Museum and the world’s largest Antiquity Collection by Barakat.



# Executive Summary & Overview

The Tower, besides being the tallest building on the planet, will be designed to decisively win US and international publications, and Architectural Awards, thus increasing property value at the very start.



*Exterior views of Arab culture inspired architecture*

# Project Summary



*Sundial bridge project*

**Our vision**

The SUNDIAL ISLAND PROJECT is conceived by Principal Leadership Institute, LLC and paastudio, with significant inspiration from Mr. Michel Medawar, to appeal to the creative minds from around the world with its high class architecture and city light views, full building automation, environmentally friendly approach, unique material finishes, total solar power incorporation, underground utilities, private roads and even a futuristic underwater highway. This will be the genuine vision of the Middle East for the 21<sup>st</sup> century.

Right from the beginning, the project will grow within the finest BIM (Building Information Model) environment, which is the future of A&E design. Furthermore, the fully developed and true to reality computer generated model will test architectural structural and mechanical design in identical to reality surroundings. At the later stage of the project, the BIM data will be further used to create a fully integrated Building Management data base, ensuring long and successful building life and fully automated management.

**Tentative Project Team:**

**Developer:**

- Atlantic Holdings, LLC
- Principal Leadership Institute, LLC
- Morgan Browning Capital, LLC
- Euro Pacific Advisors, Inc.

**Design Architect:**

paastudio

**Executive Architect:**

Gensler

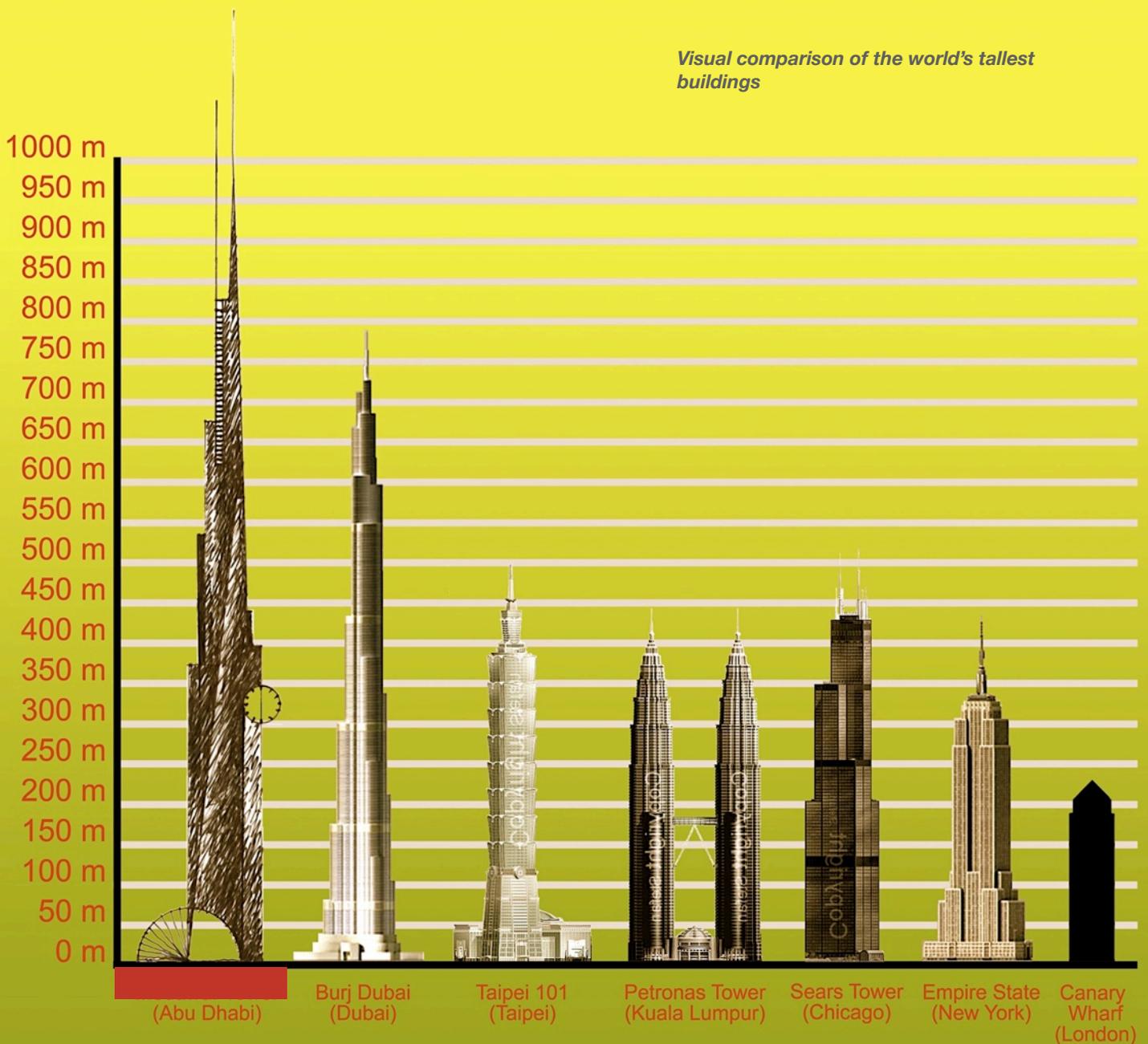
**Engineer:**

ARUP

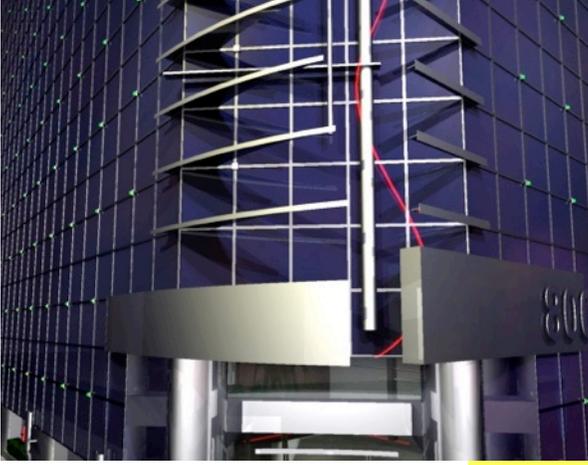
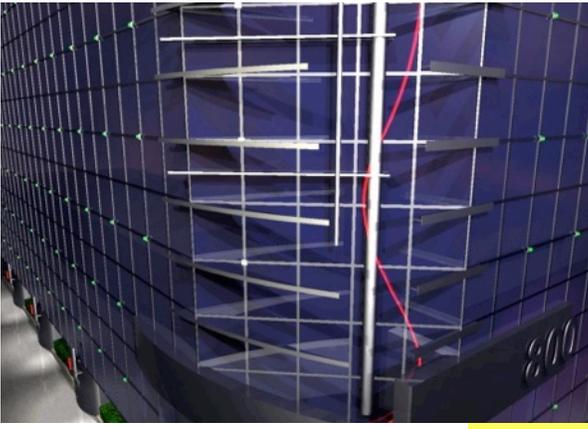
**General Contractor:**

Turner International

*Visual comparison of the world's tallest buildings*



# Development Plan

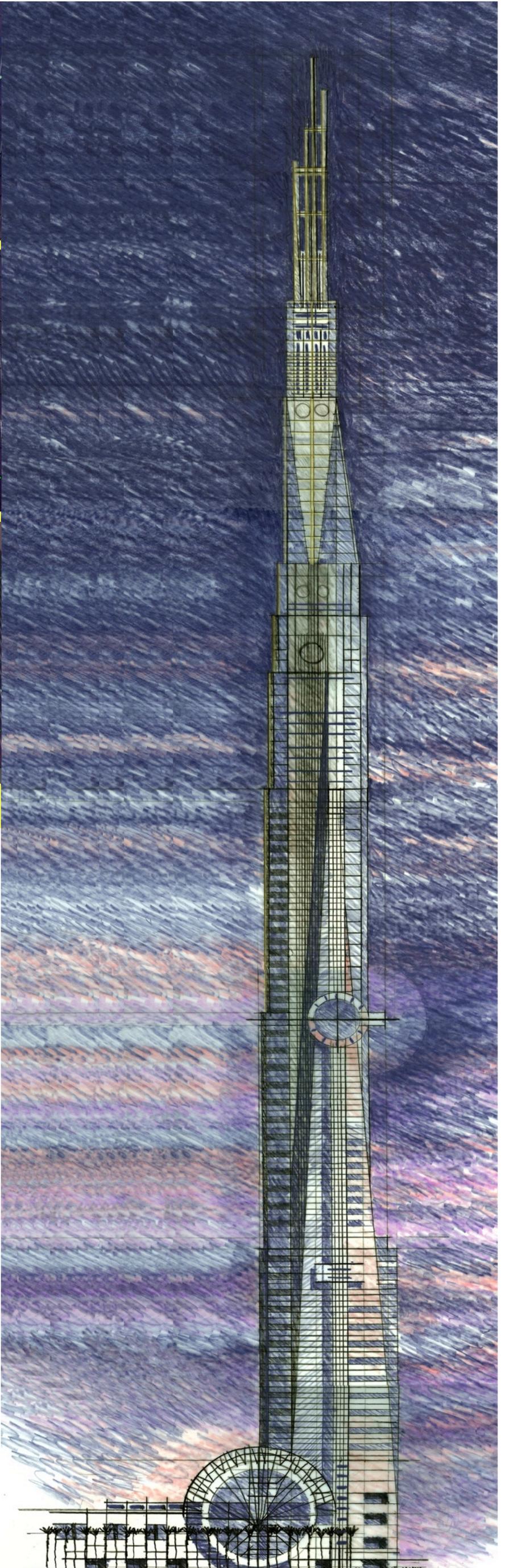


*Initial concept tower design*

## Environment Development Outline

The development will encompass the most advanced design and building techniques of the 21<sup>st</sup> century, yet respecting the cultural heritage of the region. The 500 acre island will create an unique green energy environment, with focus on cultural values, as well as bringing out the best achievements of past generations in the light of the Internet Age. It will also promote the image of an environmentally friendly high-technology micro-city, setting the new worldwide standard for ecologically sound large-scale development.

The SUNDIAL ISLAND will be reached via structurally glass-shielded underwater highway, allowing travelers direct visual contact with aquatic life. Secondary access will be provided by RamWing™ personal and public transportation - the first of its kind aero-nautical green transportation vehicle fleet. Upon this initial environmentally friendly approach, locals and visitors will arrive in a fully climatically protected island environment. Yet all energy used will be based on kinetic wave generators and



SUNDIAL ISLAND PROJECT



*Computerized solar panels and alternative material use by paastudio; RamWing™ by Jerry Wiegert*



extensive series of computer controlled solar sail panels, which will also create natural shading in all public areas of the complex. The water, surrounding the development will feature series of the world's first **marine fountains** along state-of-the-art marinas and support facilities. Environmental care, culture and top scientific achievements will be the focus of SUNDIAL ISLAND, a tentative name, which states all the above in just two short words.

Overall, the architectural milieu will encourage civil interaction, while providing state-of-the-art background and ease of communication. Furthermore, culturally

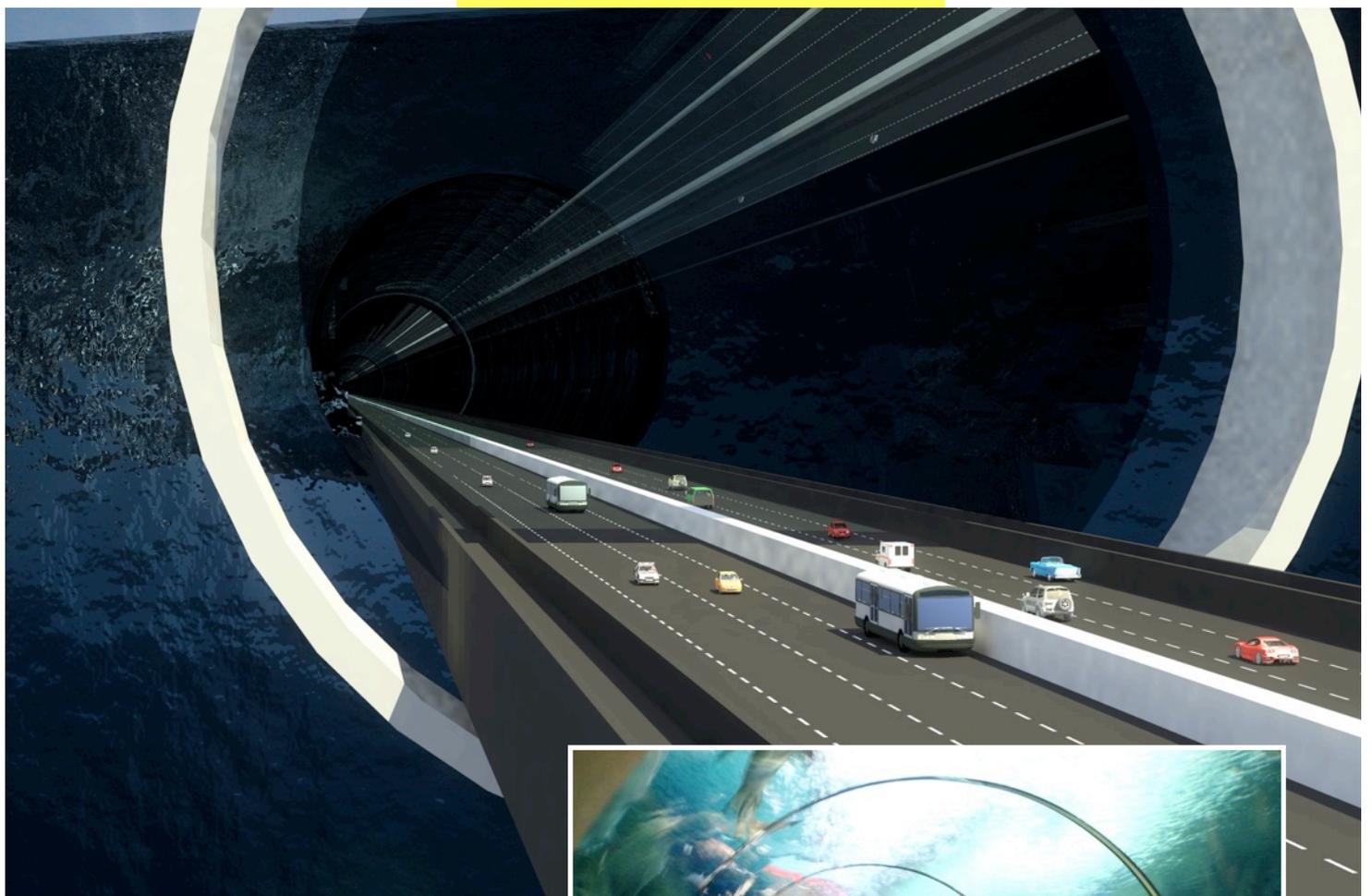
# SUNDIAL ISLAND PROJECT

oriented venues and activities will be well built into the infrastructure. The above mentioned Performance Theaters will create the stage for theatrical and film festivals, a rarity in the region. The SUNDIAL Museum as well as the Barakat Antiquity Collection will house permanent bodies of artifacts, along featuring temporary exhibitions on various subjects, typical for the geographic location.

Opening up the cultural treasury of the Middle East and making it popular with the rest of the world will further establish Abu Dhabi as



*Aquatic Tunnel concept along with the finest of marine design*

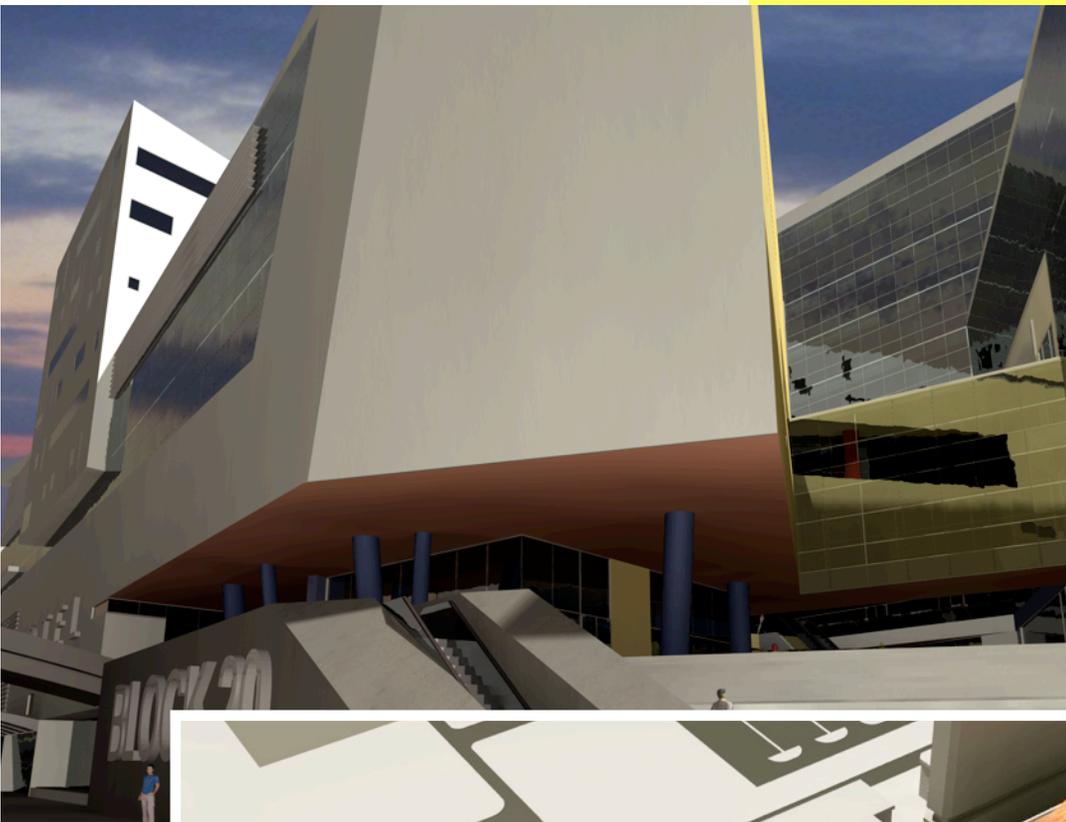
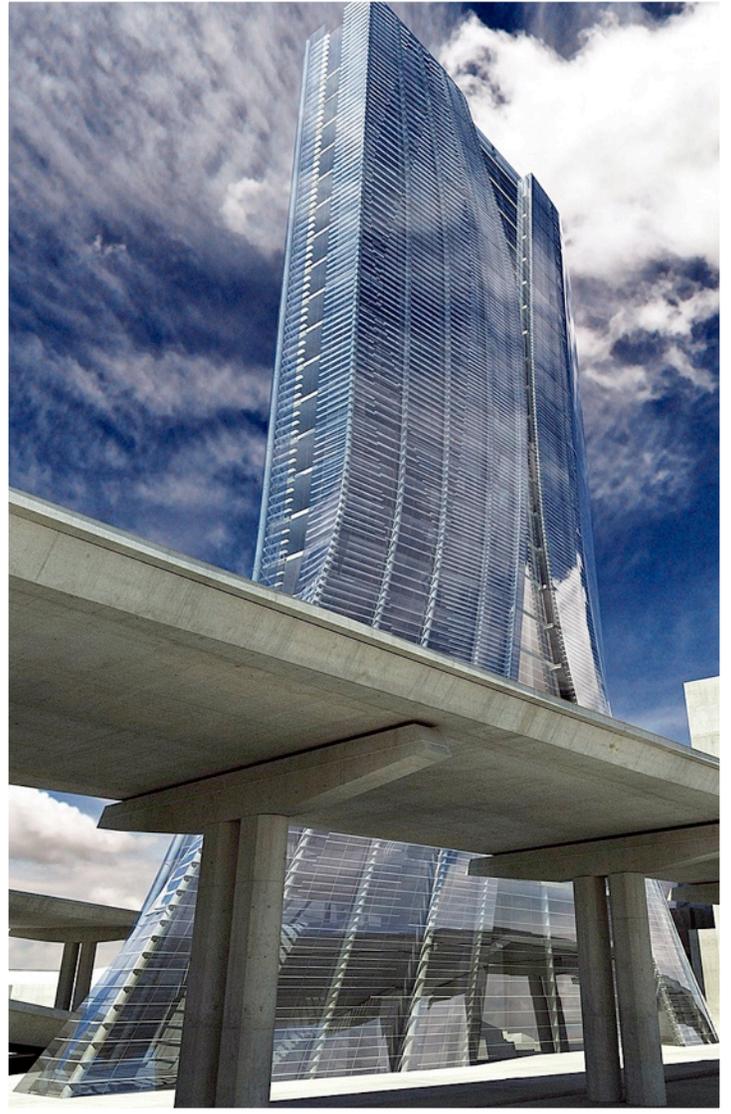


## SUNDIAL ISLAND PROJECT

something more than one of the busiest construction grounds on the planet: it will recreate the aura of the great figures in Middle Eastern history and school of thought, while preserving the unique status quo of the UAE as one of the cornerstones of humanity.

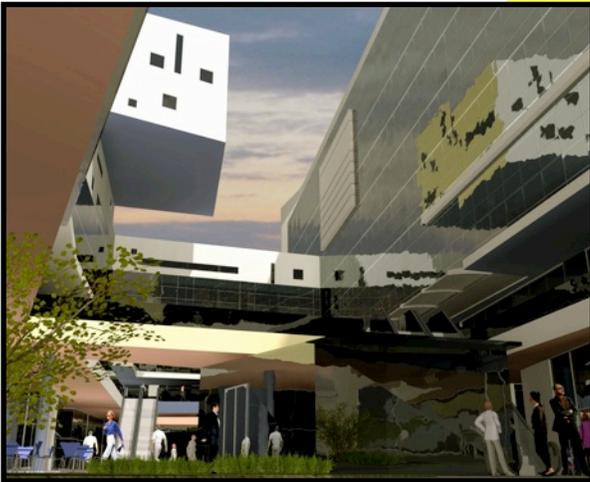
### Approach and execution

Construction will be executed with the same environmentally friendly off grid development and attention to detail, typical for the whole concept. As a result, the project will set the new standard in the building industry, which will dictate the pace of large scale development not only in the Middle East, but also throughout the rest of the world.



*Related images of Arab culture inspired modern architecture and Art in the Middle East, US and Europe by paastudio and others*

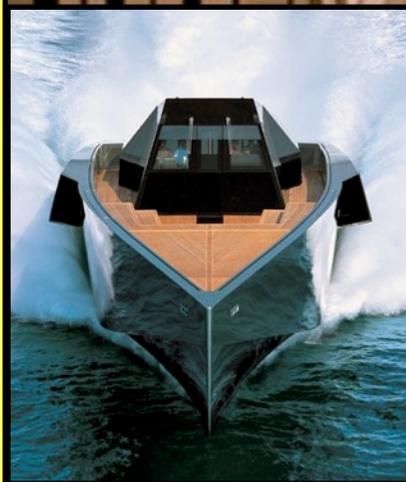
# Related Images



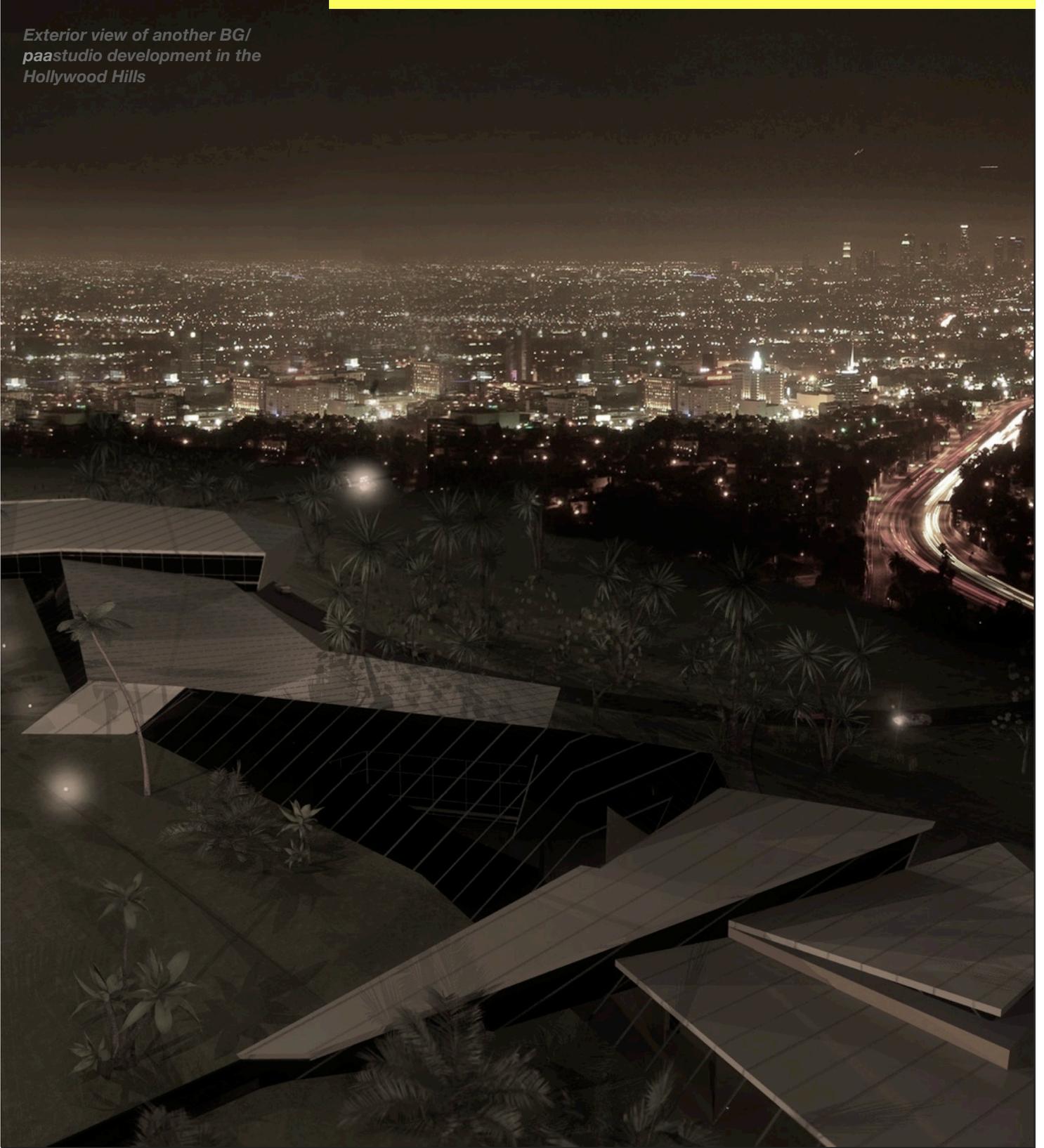
*Related images of Arab culture inspired modern architecture in the Middle East and Europe by paastudio and others along with the finest of marine design*

Thank you for your consideration!

**Atlantic Holdings, LLC**  
**Principal Leadership Institute, LLC**  
**Morgan Browning Capital, LLC**  
**Euro Pacific Advisors, Inc.**  
**paastudio, LLP**



*Exterior view of another BG/  
paastudio development in the  
Hollywood Hills*



paastudio.com

Principal Leadership Institute,

Morgan Browning Capital, LLC Euro Pacific Advisors, Inc.

