



THE SAN DIEGO PYRAMIDS INITIATIVE

Gateway of Orion — Gateway of the Pacific

Phase 1 Master Proposal — Feasibility, Vision & Investment Framework



1. Executive Summary

The San Diego Pyramids Initiative proposes the construction of a full-scale modern replica of the Great Pyramid of Giza — the first in a tri-pyramid complex symbolizing the stars of Orion's Belt — situated in the Otay Mesa Highlands of South San Diego.

This is not a novelty attraction. It is a civilizational statement.

San Diego stands at an inflection point. The region possesses the climate, geography, civic ambition, and institutional infrastructure to become the preeminent city of the 21st century — surpassing legacy urban centers through bold, generational investment in culture, architecture, and global identity. The Pyramids Initiative is a cornerstone of that vision.

Phase 1 establishes the full programmatic, financial, and governance foundation: land acquisition, environmental and seismic feasibility, cultural partnership outreach, public branding, and conceptual engineering. Total Phase 1 budget: \$112.5 million USD.

2. Vision & Mission

Formal Mission Statement

“To construct a modern replica of the Great Pyramid of Giza — the first in a tri-pyramid alignment symbolizing Orion’s Belt — as a testament to human engineering, solar geometry, and the rebirth of architectural mastery in Greater San Diego.”

The Broader San Diego Vision

The Pyramids Initiative exists within a larger civic ambition: to position San Diego as the world’s most dynamic, livable, and architecturally extraordinary city. This project joins other transformative proposals — including the downtown skyline redevelopment and airport relocation — as part of a cohesive master plan to elevate San Diego above every comparable metropolitan area on the planet.

The pyramid complex will serve as the anchor monument of this new civic identity: a structure visible from space, aligned with the cosmos, and built for the ages.

3. Site Selection

Recommended Location: Otay Mesa Highlands

After evaluating three candidate zones, Otay Mesa East has been identified as the optimal site for the first pyramid, with the alignment extending west toward the coast for the second and third structures — creating an “Orion-on-the-Pacific” alignment of continental scale.

Site Criterion	Details
Topography	Flat terrain, minimal flood risk, low population density
Freeway Access	I-805 and SR-125; approximately 15 minutes from San Diego International Airport
Land Use	Industrial and undeveloped zones; minimal residential displacement
Solar & Stellar View	Unobstructed horizon for true north orientation ($\pm 3'$) and equinox solar alignment
Future Expansion	Sufficient land mass for two additional pyramids extending west toward the bay
Logistics	Cross-border stone access via Mexico; port and rail proximity for material transport

Candidate Zones Considered

- Otay Mesa East (Recommended) — open tracts, logistics, horizon access, and alignment potential
- Chula Vista Bayfront — iconic visibility from Coronado Bridge; reserved as potential Phase 2 pyramid site
- National City Industrial Zone — central location near transit and harbor; viable secondary option

The Orion-on-the-Pacific alignment concept positions the three pyramids along a southwest axis mirroring the angular offset of Orion’s Belt stars — with the first pyramid anchored inland and the third terminating near the Pacific coastline.

4. Engineering Design

Scale & Dimensions

The San Diego Pyramid will exceed the Great Pyramid of Giza in every dimension, establishing its supremacy as the largest pyramid on Earth.

Parameter	Specification
Base Length	Approx. 252 m per side (10% larger than Giza's 230 m)
Height	600 ft (approx. 182 m) — surpassing the original 146.6 m / 481 ft
Structural System	Earthquake-resistant steel lattice core per California seismic code
Orientation	True north ($\pm 3'$); solar zenith alignment at spring and autumn equinox
Casing Material	Quarried limestone / travertine panels over reinforced concrete core
Seismic Standard	Designed to exceed California's highest seismic safety requirements

Construction Methodology

A hybrid material strategy balances authenticity, cost efficiency, and seismic resilience:

- Foundation and inner courses: cast reinforced concrete blocks matching the average 2.5-ton Giza block dimensions
- Upper courses and visible casing: quarried limestone or travertine sourced from Nevada, Utah, or via cross-border logistics through Mexico
- Internal steel lattice: continuous seismic armature integrated throughout the core

Interior Program

Chamber / Space	Purpose
Museum of Ancient & Modern Engineering	World-class permanent exhibition on pyramid construction, mathematics, and astronomy
Orion Observation Deck	Astronomically calibrated observatory aligned to Orion's Belt and equinox solar events
King's Chamber Replica	Meditation and acoustic chamber built to authentic proportions
AI & Geometry Exhibit	Interactive installation on ancient mathematics and modern computational design
San Diego Chamber of Records	Subterranean cultural archive preserving regional heritage for future generations
Energy Systems	100% solar energy offset; gray-water recycling; zero-emission construction target

5. Project Phases

The initiative is structured across five phases spanning eight to nine years, culminating in an "Alignment of Orion" opening ceremony timed to the autumnal equinox.

Phase	Title	Duration	Investment	Key Output
1	Feasibility & Environmental Study	12 mo	\$112.5M	Site approval, seismic modeling, architect selection
2	Material Sourcing & Transport Design	18 mo	TBD	Supply chain established; prototype block tests completed
3	Foundation & Core Construction	36 mo	TBD	Base courses complete; internal skeleton in place
4	Exterior Cladding & Symbolic Chambers	24 mo	TBD	Visual completion; chamber interiors finished
5	Lighting, Art & Observatory Integration	12 mo	TBD	Nighttime illumination; final stellar calibration

Full capital cost modeling for Phases 2–5 will be produced as a deliverable of Phase 1 feasibility work, with cost estimates carried to $\pm 10\%$ confidence.

6. Phase 1 Budget

Phase 1 is fully scoped and costed. All expenditures are directed toward establishing irreversible project momentum: site control, regulatory approvals, and a globally recognized design.

Category	Estimated Cost (USD)
Feasibility & Environmental Studies	\$12,000,000
Land Acquisition (~300 acres, Otay Mesa)	\$85,000,000
Architectural & Engineering Design Competition	\$8,000,000
Public Relations & Branding Campaign	\$2,500,000
Legal & Permitting	\$5,000,000
TOTAL — Phase 1	\$112,500,000

Funding Strategy

- Private consortiums and family office investments
- City of San Diego and Port Authority public bond instruments
- Orion Pacific Foundation capital campaign
- Crowdfunding and fractional investment via architectural NFTs or equity shares
- Federal and state cultural infrastructure grants

7. Feasibility Studies (12-Month Scope)

The following studies will be commissioned in Phase 1, with deliverables comprising a final feasibility report, geotechnical survey maps, and a full cost model to $\pm 10\%$:

Study	Lead Partner	Objective
Environmental Impact Assessment	SDSU Urban Planning Department	Assess wildlife habitat, air quality, and water use impacts
Seismic & Soil Testing	Cal Poly / AECOM	Ensure earthquake-resistant foundation specification
Materials Sourcing & Carbon Offset	Nevada Quarry Partners / USGS	Evaluate transport costs, carbon footprint, and offsets
Cultural Heritage Partnerships	Egyptian Consulate / UCSD Middle East Studies	Secure symbolic authenticity and heritage endorsement
Infrastructure & Grid Assessment	City of San Diego / SANDAG	Road expansion needs and power grid capacity

8. Cultural & Economic Impact

Tourism & Global Positioning

The San Diego Pyramid complex is projected to become one of the most visited destinations on Earth — rivaling the Eiffel Tower, the Colosseum, and the original pyramids of Giza. Conservative tourism modeling places annual visitation at 5–8 million visitors within the first decade of operation, generating substantial ongoing revenue for the City and region.

San Diego will be positioned as:

- A California Wonder of the Modern Age
- A global tourism magnet rivaling Dubai, Cairo, and Las Vegas
- A monument to cross-civilizational exchange — Egypt and the American West Coast as architectural partners
- The anchor attraction of a redesigned Southern California tourism corridor

Cultural Programming

- Annual “Alignment of Orion” festival at autumn equinox — globally televised
- International conferences on ancient technology, sustainable mega-engineering, and AI-assisted design
- K–12 and university educational partnerships (UCSD, SDSU, Cal Poly) on geometry, engineering, and world history
- Permanent exhibition partnerships with Egyptian cultural institutions and the Smithsonian

- AI-assisted Mystery School of Architecture — an immersive learning environment for the next generation of builders

9. Governance & Oversight

Role	Entity	Responsibility
Project Steward	Orion Pacific Foundation	Strategic vision, fundraising, and long-term stewardship
Civic Partner	City of San Diego / Port Authority	Permitting, zoning, and public infrastructure
Academic Partner	UC San Diego	Cultural, historical, and engineering advisory
Engineering Partner	Bechtel / AECOM	Design validation, project management, seismic compliance
Cultural Liaison	Egyptian Ministry of Antiquities	Heritage authenticity and symbolic alignment
Public Engagement	TBD PR Firm (national)	Media, investor relations, and community outreach

10. Phase 1 Deliverables

Upon completion of Phase 1, the project will have achieved:

- Approved environmental and seismic feasibility report with regulatory clearance
- Official site survey completed and land title for ~300 acres secured
- Architectural design competition launched, judged, and winning design selected
- Public branding campaign live; investor portal and crowdfunding platform activated
- Cultural partnership MOUs signed with Egyptian and academic institutions
- Full capital cost model for Phases 2–5 completed to $\pm 10\%$ confidence
- Blueprint for Phase 2 (Material Sourcing & Core Construction) ready for execution

11. Why San Diego Wins

The following infographics illustrate the strategic positioning of the San Diego Pyramid complex against the world's two most iconic pyramid-related destinations: Giza, Egypt and Dubai, UAE.



Figure 1: Orion Belt Alignment Master Plan — Otay Mesa to the Pacific



Figure 2: Phased Construction Timeline — 10-Year Build to Grand Opening (2026–2035)



Figure 3: Revenue Model & Economic Impact — \$505M–\$770M Annual at Stabilized Operations

The Competitive Landscape

San Diego does not merely compete with Giza and Dubai. It completes a trilogy:

Destination	What It Proves	San Diego's Edge
Giza, Egypt	Built the first. Proven the eternal.	San Diego rebuilds the eternal — for a solar-powered age
Dubai, UAE	Built the biggest. Proven wealth.	San Diego adds meaning, myth, and legacy to scale
San Diego	Builds the conscious masterpiece.	The only destination that unites past mastery with future vision

Six Structural Advantages

Advantage	San Diego	Dubai	Giza
Climate	70°F year-round; 365-day revenue	110°F+ summers limit outdoor season	Harsh desert; seasonal tourism dips
Accessibility	Modern airport (relocated); frictionless entry	Massive but congested hub	Infrastructure + perception barriers
Cultural Identity	Biotech, AI, defense, universities + myth	Luxury + spectacle	Ancient wonder; not future-facing
Lifestyle Offer	Pyramid → beach → concert, one city	Monument-only draw	Monument-only draw
Economic Model	Tourism + tech + education + events	Luxury + oil-backed capital	Tourism-dependent
Narrative Power	“We rebuilt the eternal and aligned it with the stars”	“We built the biggest”	“We built the first”

San Diego isn’t competing. It’s completing the trilogy.

12. Closing Statement

“The ancients aligned stone with the stars. We align intention with the cosmos.”

The San Diego Great Pyramid is not merely a building project. It is a civilizational gesture — a declaration that this city, this region, and this generation possess both the will and the capability to do what has not been done in 4,500 years.

By launching Phase 1, San Diego begins its ascension as the City of Light on the Pacific — a place where the knowledge of the past meets the engineering of the future, and where the most ambitious city on Earth earns that title in stone and in stars.

We invite civic leaders, investors, academic partners, and the people of San Diego to join this initiative. The horizon is open. The stars are aligned. The time is now.

Orion Pacific Foundation | San Diego, California | 2025

“Where the Sun Meets the Stars — and Human Hands Touch Both.”