Lumina Terra – Project Proposal

Project Category: Water Energy Storage / Clean Energy Infrastructure – NEOM

Vision

Lumina Terra aims to become a pioneering multi-functional dome and hub that integrates sustainable architecture, clean energy innovation, smart systems, and educational experiences. The project supports NEOM's futuristic urban development by offering a scalable model for water energy storage, green hydrogen interaction, and solar-based infrastructure integrated with AI control and energy-efficient design.

Technologies & Components

- Solar Energy Concentrators and Transparent Panels
- Green Hydrogen Storage and Water Electrolysis Modules
- AI-Controlled Smart Energy Management System
- Architectural Design Based on Sacred Geometry and Sustainability
- Interactive Learning Halls and Conferences Hosted Exclusively in Lumina Domes

Strategic Goals

- Establish Lumina Terra as a NEOM-aligned flagship model
- Partner with KAUST and national energy innovation centers
- Localize advanced clean energy courses and R&D inside the dome
- Generate scalable energy-water knowledge-based revenue streams

Revenue Potential

Based on NEOM project alignment and smart energy potential, Lumina Terra can generate projected revenue ranging from 100 million to over 500 million SAR annually once fully scaled, including global franchise expansion.

Founder:

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