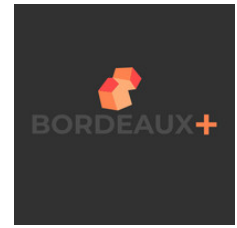


Project Description: Lusail Sustainable Development

Client: City of Lusail, Qatar

Consultant: BORDEAUX plus Urban Design Firm

Duration: 2012 - 2016



Project Description

The Lusail Sustainable Development Project, situated on the northern outskirts of Doha, Qatar, represents a visionary expansion into a 38 square kilometer urban area designed for over 200,000 residents. This comprehensive development includes residential, commercial, retail, and recreational spaces integrated into a modern urban environment that emphasizes sustainable and high-quality living standards.

Context

Located strategically to maximize the picturesque views of the Arabian Gulf and capitalize on the proximity to Doha's bustling city center, Lusail aims to be a benchmark for future cities in terms of sustainability and quality of life. The city is planned to accommodate a significant influx of population and businesses while ensuring minimal environmental impact.

Objectives

- **Sustainability:** Embed sustainable practices in all facets of development, from construction to operational functionality.
- **Community-centric Design:** Build a cohesive community with accessible services like healthcare, education, and entertainment.
- **Economic Prosperity:** Foster economic growth with a focus on tourism, retail, and business opportunities through state-of-the-art infrastructure.
- **Innovative Living Space:** Offer a mix of housing options that cater to diverse needs and preferences, incorporating smart city technologies for enhanced living experiences.

Design Challenges

- **Environmental Integration:** Balancing urban development with the preservation of the natural coastal and desert landscapes surrounding Lusail.
- **Infrastructure:** Developing a robust infrastructure that supports sustainable growth without overwhelming existing systems.

- **Cultural Sensitivity:** Ensuring the city's development reflects Qatari culture and heritage, respecting local traditions while introducing modern amenities.
- **Technological Integration:** Seamlessly integrating technology in a way that enhances but does not dominate the human experience of the city.

Design Approach

- **Master Planning:** Utilize a comprehensive master plan that integrates residential, commercial, and leisure spaces with ease of access and environmental conservation.
- **Green Building Practices:** Adhere to GSAS (Global Sustainability Assessment System) standards for all constructions to ensure energy efficiency, water conservation, and minimal ecological impact.
- **Public Spaces:** Emphasize large, open public spaces that foster community interaction and recreational activities.
- **Transportation:** Develop a state-of-the-art public transport network that reduces reliance on personal vehicles, including trams, buses, and pedestrian pathways.

This approach positions the Lusail Sustainable Development Project as a forward-thinking initiative that sets new standards for urban development while respecting and preserving the natural and cultural heritage of the region.