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International Design Challenge

# **RESILIENT COASTAL CITY 2050:** **BLUEPRINT FOR COASTAL CITY FACING CLIMATE UNCERTAINTY**

First Edition

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# Resilient Coastal City 2050

BLUEPRINT FOR COASTAL CITY FACING CLIMATE UNCERTAINTY

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## Introduction

Coastal cities are on the frontlines of climate change, facing rising sea levels, intensified storms, ecosystem degradation, and growing socio-economic vulnerabilities. By 2050, nearly one billion people are projected to live in coastal zones, making resilience not a choice but a necessity.

Resilient Coastal City 2050 invites architects, urban designers, planners, and thinkers to envision future-ready coastal cities that can adapt, absorb, and thrive amidst climate uncertainty while remaining inclusive, productive, and ecologically balanced.

## Objective

The objective of this competition is to explore innovative design strategies for a resilient coastal city that:

- Responds to sea-level rise, flooding, erosion, and extreme weather
- Integrates nature-based and technological solutions
- Balances urban growth with ecosystem preservation
- Prioritizes human safety, social equity, and long-term adaptability

Participants are encouraged to propose visionary yet feasible urban frameworks suitable for implementation by 2050.

## The Building Program

Participants may choose to design a master plan or a strategic urban system, which may include:

- Coastal defense systems (living shorelines, mangroves, wetlands, hybrid barriers)
- Flood-resilient housing and mixed-use districts
- Elevated or amphibious infrastructure
- Public spaces and waterfront promenades
- Transportation and mobility networks
- Climate-adaptive utilities (water, waste, energy)
- Disaster-response and evacuation infrastructure
- Blue-green networks and ecological corridors

The scale and typology are flexible, allowing participants to focus on urban design, architecture, or integrated systems.

## Site

The site is hypothetical but representative of a vulnerable coastal city.

Participants may assume:

- A low-lying coastal terrain
- Exposure to flooding, storm surges, and erosion
- Existing urban fabric, informal settlements, and ecological zones

Participants must clearly define their assumed context, climate challenges, and geographic conditions.

## Timeline

Launch Date: 1<sup>st</sup> January 2026

Registration deadline: 2<sup>nd</sup> January 2027

Submission deadline: 12<sup>th</sup> January 2027

Result Announcement: 18<sup>th</sup> March 2027

## Submission Requirements

Participants must submit:

- Design Panels – minimum 2 panels and maximum 6 panels (panel size: A2, Landscape, format jpeg./jpg.)
- A brief **concept description** (format docs. File)

Drawings may include:

- Concept diagrams
- Plans, sections, elevations
- 3D views / visualizations
- Exploded diagrams or process sketches

**Important:**

- No participant names, university names, or identifying marks are allowed on the submission sheets
- Design title and slogans are permitted
- Submissions must follow anonymity rules strictly

## Jury

The jury panel will consist of experienced architects, designers, educators, and industry professionals from diverse backgrounds. Entries will be evaluated based on:

- Climate Resilience & Adaptation
- Urban Vision & Innovation
- Ecological Integration & Sustainability
- Human-Centered & Social Equity
- Feasibility, Scalability & Clarity

The jury's decision will be final and binding.

## Eligibility

- Open to all.
- Individual and team entries are allowed
- Team size: minimum 1 – maximum 4 members
- No restrictions on age, nationality, or academic background

## Contact Details

Brief link: [https://www.archiolcompetitions.com/competitions/resilient\\_coastal\\_city\\_2050](https://www.archiolcompetitions.com/competitions/resilient_coastal_city_2050)

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## Organizers

Archiol Competitions

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