

PROJECT DETAILS FOR FINAL SUBMISSION

Project Title: PARK IN METABOLIC PROGRESSION

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Course:

Architectural Design 2

Studio Brief Title:

Urban Incubators

Short Project Description (100 words max.):

Park in Metabolic Progression reimagines urban living with park, which merges adaptability of Metabolist architecture and is built with high-tech innovation. The project is inspired by floating homes of Uros islands and integrates modular housing units embedded with the communal green spaces, producing a dynamic living system evolving with its residents. Using efficient monocoque shell structures, each compact unit is constructed. A communal park is central to the design, located at the project's center and accessed via architectural plug-in balconies that span between units and shared spaces. With the imagined urban density harmonizing with architectural adaptability, and yet challenges still, this project envisions a future.

Full Project Narrative/Text Description (300 words max.):

Park in Metabolic Progression looks to the Metabolist movement as an inspiration for adaptable, modular, and evolving means of park making. Taking ideas from Kiyonori Kikutake and Kisho Kurokawa, who saw architecture as an organism. The project, at its core, uses these theories to confront the challenges of urban density along Bangkok's Chao Phraya River by evolving into a housing system that works synergistically as one in interaction with the environment.

Each living unit, whose 8x4m and 8x8m sizes have been designed as a compact, prefabricated, monocoque shell structure using carbon fiber and resin-based plastic, is available in two variations. With its lightweight, yet durable construction and its flexibility and sustainability, this is a high tech construction, as defined by Richard Rogers. By cutting edge interior layouts, these units, by integrating built-in storage, turn small spaces into liveable, flexible areas reflecting the spirit of a 'machine for living'.

The project also provides a central communal park, which will serve as the central life of the project and help develop social interaction among locals, through markets, relaxation areas, and shaded walkways. Housing units are connected to these shared spaces, architecturally, by means of plug-ins that orchestrate a seamless opening of the line between private and public realms. It reflects Brutalist's principles of raw functionality, as well as Metabolism's vision for urban evolution.

In this project, we imagine the future of urban architecture is not static but dynamic, urban architecture as a metabolic system that is changing and adapting to the needs of its inhabitants and its surroundings. Bringing community, innovation, ecological harmony into one threaded concept of living; redefining urban living as a collaborative, sustainable journey.