# One Computational System, Two Architectural Elements

Developed through a shared computational system in Rhino, Grasshopper, and GhPython, a staircase and a series of lanterns translate the same sine- and cosine-based logic into two distinct architectural elements. Designed by Sofia Michopoulou for Aegean Landmark in Athens, the projects explore how controlled geometric variation can move from parametric modelling to CNC fabrication.

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# Emergentia Pavilion: Modular Architecture Grown Through Cellular Automata

Emergentia Pavilion is a conceptual architectural study by Sukriti Ambasht that turns cellular automata into modular spatial form. Rhino, Grasshopper, Python, Kangaroo, and C# connect the pavilion’s geometry, proposed assembly, and algorithmic lighting.

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# From 17,000 Pixels to 13 Comb

# Variations: A Façade Rationalised in Grasshopper

For This Is The Place in Mumbai, Rhino and Grasshopper helped turn a façade conceived as approximately 17,000 individual pixels into a buildable system of just 13 comb variations, linking artistic intent, panel organisation and fabrication drawings.

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# SANCTUM: Parametric Joinery and CNC-Carved Surfaces in a Room for One

Designed by Rafael Luna of Infra-Architecture Lab, SANCTUM is a plywood micro-architecture built around a parametric interlocking system and CNC-carved interior surfaces. Rhino and Grasshopper connect its sculptural form, fabrication logic, and exploration of acoustic behavior.

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# Ceramic Craft and Digital Fabrication at Hotel Thompson

# Sevilla

A 50 m² ceramic lattice for Hotel Thompson Sevilla uses Rhino and Grasshopper to connect image-based geometry mapping, custom G-code generation, clay 3D printing, and a carefully coordinated on-site assembly process.

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# Godzilla: From Form-Finding to a Built Gridshell

A research team at the University of Tokyo transformed a NURBS-based form-finding workflow into a full-scale fabrication and assembly system for a complex gridshell. Developed with Rhino, Grasshopper, and the custom Godzilla plugin, the project connects computational geometry directly with planar fabrication, student-led assembly, and real-world structural constraints.

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# The Pro-Sumer: From Modular Logic to a Regenerative Urban Ecosystem

Developed through an iterative Rhino workflow, The Pro-Sumer explores how a timber office tower can evolve from a consumer of resources into a productive urban ecosystem.

# chrYsalis: Building Castles in the Air

Developed at the University of the Basque Country, chrYsalis explores the challenge of “building castles in the air” through a lightweight pavilion generated with Rhino and Grasshopper and assembled using augmented reality technologies.

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# Aion: Turning History into Morphology

Designed for Southeastern Louisiana University’s centennial anniversary, Aion transforms institutional memory into inhabitable geometry. Developed through Rhino and Grasshopper, the monument combines parametric thinking, site analysis, and fabrication logic to create a public installation where history, movement, and community intersect.

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# From Form-Finding to

# Fabrication: Pabellón Generativo Michoacán

A generative pavilion built in Morelia, Mexico, explores how form-finding, Voronoi-based segmentation, and digitally fabricated nodes can translate computational logic into a lightweight physical structure assembled from recycled CPVC components.