

The Rooster Wears Code: Parametric Design in Recife's Galo da Madrugada

For Recife's 2025 Carnival, computational designer Pedro Vilarim developed a parametric system to map 10,000 recycled plastic bottles onto the chest of the 32-meter Galo da Madrugada sculpture. The design reimagines the vibrant cloak of the Caboclo de Lança using code, craftsmanship, and discarded materials.

Behind the River Plate Facade: A Digital Approach

Dive into the innovative design and digital fabrication process behind the parametric facade of the River Plate Football Club parking structure. This story highlights the use of Rhino, Grasshopper, and various plugins to tackle complex challenges and achieve an efficient and visually dynamic result.

The Katajanokan Laituri

Façade: Computational Design Meets Nordic Timber

The Katajanokan Laituri in Helsinki showcases a groundbreaking fusion of timber construction and computational design, with Geometria Architecture crafting a complex, curved façade that ensures both structural integrity and aesthetic continuity while optimizing the fabrication process.

Architectural Acoustics at their Best: The Blitz Club

The Blitz Club represents architectural innovation and acoustic precision, transforming a historic venue into a modern marvel by leveraging cutting-edge design tools and fostering close collaboration among designers, acousticians, and fabricators.

Voortdurend Bench: A Masterpiece in Houthavenpark Amsterdam

This installation enhances the park's visual appeal and serves as a functional piece of public art, demonstrating a seamless integration of artistry and engineering.

The Carapacks Pavilion: A Hexagonal Innovation

The Carapacks Pavilion features a versatile design suitable for wooden pavilions, roofs, and facades, showcasing architectural exploration and collaboration through innovative design and digital integration.

Hive Project: Nature-Inspired Kinetic Architecture

The cooperative behavior of honeybees inspires the Hive project's modular design. Just like bees create a wavelike cascade by 'shimmering' when threatened, the project's core system tessellates any geometry into hexagons.