

Pushing the Limits of Offshore Racing: IMOCA Partners with Orca3D

IMOCA has partnered with Orca3D to bring advanced stability analysis and streamlined design workflows to the world of offshore racing. By leveraging the modeling power of Rhino, this collaboration helps teams build faster, safer, and more consistent IMOCA 60 yachts for the world's most demanding ocean races.

New Dawn: A Lamp That Lives, Breathes, and Decomposes

New Dawn by Aga Blonska is a 3D-printed lighting piece that transforms microbial biopolymers into an evocative sculptural form, entirely modeled and fabricated within the Rhino and Grasshopper environment. Showcased at Milan Design Week 2025, the project reimagines material decay as design potential, marking a milestone in sustainable large-scale additive manufacturing.

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.

La Pendentia: A Community-Led Suspension Bridge Project in the Swiss Alps

La Pendentia is a slender suspension bridge in the Swiss Alps that blends digital precision with ecological sensitivity. Designed using Rhino and Grasshopper, it showcases how thoughtful engineering and community collaboration can shape resilient, elegant infrastructure.

Pinko Takes Off: Parametric Retail Design at Rome

Fiumicino Airport

At Rome Fiumicino Airport, Pinko's new flagship store merges fashion and technology through a parametric design inspired by the brand's signature patterns. Brought to life with robotic 3D printing using Rhino and Grasshopper, the space sets a new standard for sustainable, regulation-compliant retail architecture.

Cnidaria Pavilion: A Novel Approach to Load-Bearing Architectural Skins

The Cnidaria Pavilion, developed at the Université de Montréal's School of Architecture, showcases an innovative approach to large-span, doubly curved structures using lightweight aluminum sheets. Combining computational design with manual folding and snap-fit assembly, the pavilion demonstrates a new structural system that balances efficiency, aesthetics, and rapid fabrication.

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.

Mangrove: A Record-Breaking Glass Sculpture by Nikolas Weinstein

Suspended in the grand atrium of Solaire Resort North, Nikolas Weinstein's record-breaking glass sculpture Mangrove redefines architectural art. Drawing inspiration from the intricate roots of native mangrove trees, the monumental 27-meter-tall installation combines 11 kilometers of borosilicate glass tubing with advanced digital tools like Grasshopper.

“Brilla la Tradición”: The 2024 Christmas Lighting Design in Envigado, Colombia

This year's Christmas lighting project in Envigado, Colombia, titled Brilla la Tradición, transformed the city with over 4,500 hand-crafted figures, combining traditional holiday symbols with cutting-edge design and production techniques.

Exploring the TYR Car: SCAD's Off-Road Electric Vehicle Innovation

The TYR car, designed by SCAD students, is an off-road electric vehicle that combines sustainability, cutting-edge tools like Rhino, and innovative manufacturing techniques to meet the eco-conscious and adventurous lifestyle of Gen Z.