

Optimizing with Grasshopper and DefinitionLibrary: Arup's Solar-Efficient Community

Arup's sustainability team utilized digital tools like Grasshopper and DefinitionLibrary to optimize house placements for a gated community, enhancing passive solar performance and creating a data-driven master plan that balances design preferences with energy efficiency.

Parametric Paving: A New Layer of Design

The Parametric Paving project by LANDAU, in collaboration with Crowley Cottrell, uses parametric tools to create complex yet constructible paving designs within strict constraints.

Imagining Sustainable Design: The Longsheng Yoga Pavilion

The Longsheng Yoga Pavilion by Helena Riesenberger, a digital project conceived within the serene landscapes of the Longsheng Rice Terraces in China, exemplifies a forward-thinking approach to sustainable design.

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.

An Innovative Exhibition Stand at CES by Simon Vorhammer & Atelier Grande

An example of innovative thinking and temporary architecture, combining aesthetic appeal with functional brilliance to create an engaging and educational experience for visitors.

Future Landscape Trust: An Environmental Design Project

in Sussex

The Future Trust project shows how technology and community collaboration can create resilient environments. Protecting Pett Level from floods sets an example for other coastal regions and highlights the impact of innovative landscape design on environmental management.

Shellbical Pavilion

The Shellbical Pavilion emerged as a collaborative endeavor from students enrolled in the Digital Construction Bachelor's program at Lucerne University of Applied Sciences and Arts (HSLU).

Innovation Over Time: KPF's Legacy with Rhino.Compute In-House Developed Plugins

KPF's journey demonstrates the power of innovation, using expertise and technology to redefine architecture.

The White Snake Bridge Model

The White Snake Bridge is inspired by the sinuous form of a snake. The design process involved careful planning and strategic decisions, blending innovative parametric modeling techniques with traditional craftsmanship.

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.