

Press Release
12/10/25

Sand, light, and altitude: 3D printed furniture for Hotel Alpin in the Swiss Alps

Available for coverage

An exhibition of sand-printed furniture and architectural fragments, where computational design meets circular fabrication in quartz silica.

Category
Hospitality, Interior, Product, Furniture



[High Res Images ↗](#)

Project

Wedge x Hotel Alpine Saas Fee

Client

Hotel Alpin - Saas-Fee

Address

Mischistrasse 18, 3906 Saas-Fee, Switzerland

Material

3D printed silica sand, hard wood, glass

Perched in the mountain village of Saas-Fee, Hotel Alpin invited Wedge to create a series of custom furniture pieces that bring material research into the language of hospitality. Each base is 3D printed in recyclable silica sand, paired with hardwood and glass. The pieces draw from the region's geology, translating pressure, layering, and erosion into physical form.

Within the hotel's warm interior, the printed surfaces capture how light moves across altitude. Ridges and voids trace the rhythm of fabrication, while the material's granular texture shifts with daylight. Tables and stools appear almost geological, as if shaped by the same slow forces that define the alpine landscape outside.

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The collaboration extends Wedge's study of circular fabrication, where materials remain in continual transformation. Every printed base can be returned to powder and reprinted, forming a regenerative cycle between production and reuse.

"What struck us most was how alive the material feels," says the Hotel Alpin manager. "Each piece has a quiet energy, it reflects the mountains rather than imitating them. Guests notice how the surfaces change with light – it's unlike anything we've had here before."

Through this meeting of craft and computation, Wedge turns matter into memory, building furniture that belongs to both place and process.

About Wedge

In differential geometry, the Grassmann product, represented by a wedge, constructs higher dimensional objects by adding existing dimensions. Wedge draws from this idea both technically and conceptually, treating design as a process of separating, adjusting, and recomposing matter, meaning, and form.

Co-Founded by theoretical physicist Andy Zhang, together with artist-designers Lei Zhang and Peiyan Zou, Wedge is a design and research studio based in London. Lei and Peiyan lead the studio's artistic, design and spatial direction, while Andy contributes expertise in theoretical physics and material science.

Read more about wedge at wedge-design.com

About Hotel Alpine

About Hotel Alpin - Saas-Fee

Hotel Alpin is a charming accommodation located in the heart of Saas-Fee at the foot of the ski slopes and close to the cable car station. The mountain village is a car-free ski resort and the sunny south-facing position of the hotel offers an unobstructed view of the impressive Mischabel mountain range with its total of 11 four-thousand-metre peaks.

Read more about Hotel Alpin - Saas-Fee at <https://www.hotel-alpin.ch/en/>

General Information

For further information, images or to arrange interviews please contact:

Press Contact Ray Zhang
E ray.zhang@wedge-design.com
T +44 7536970449

Social Instagram - [@wedge.obj](https://www.instagram.com/wedge.obj)

Press Images: [High-Res images and full media kit can be found here:](https://drive.google.com/drive/folders/1K3TTyJ-d812VVUcQm1zqfameuN7ks8x?usp=sharing)
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