The image is a composite background. The left side shows a hand touching a tablet screen with a software interface that includes a calendar icon with the number '02' and several buttons. The right side shows a robotic arm with a green motor and the word 'Aectual' on its white body, positioned over a large, curved, white architectural model. The overall image has a semi-transparent dark overlay.

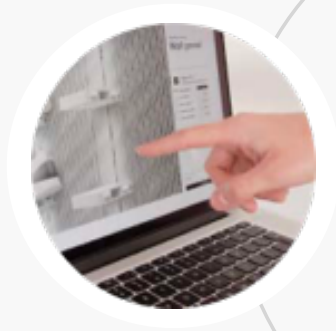
Aectual

ARCHITECTURE ON DEMAND

#AECTUAL
@AECTUAL

The platform for made-to-measure and fully circular interior and architectural products at scale

Online customization
easy tools for objects & systems



On demand production
XL 3D printer network



Interior furniture and finishes
made to measure for perfect fit

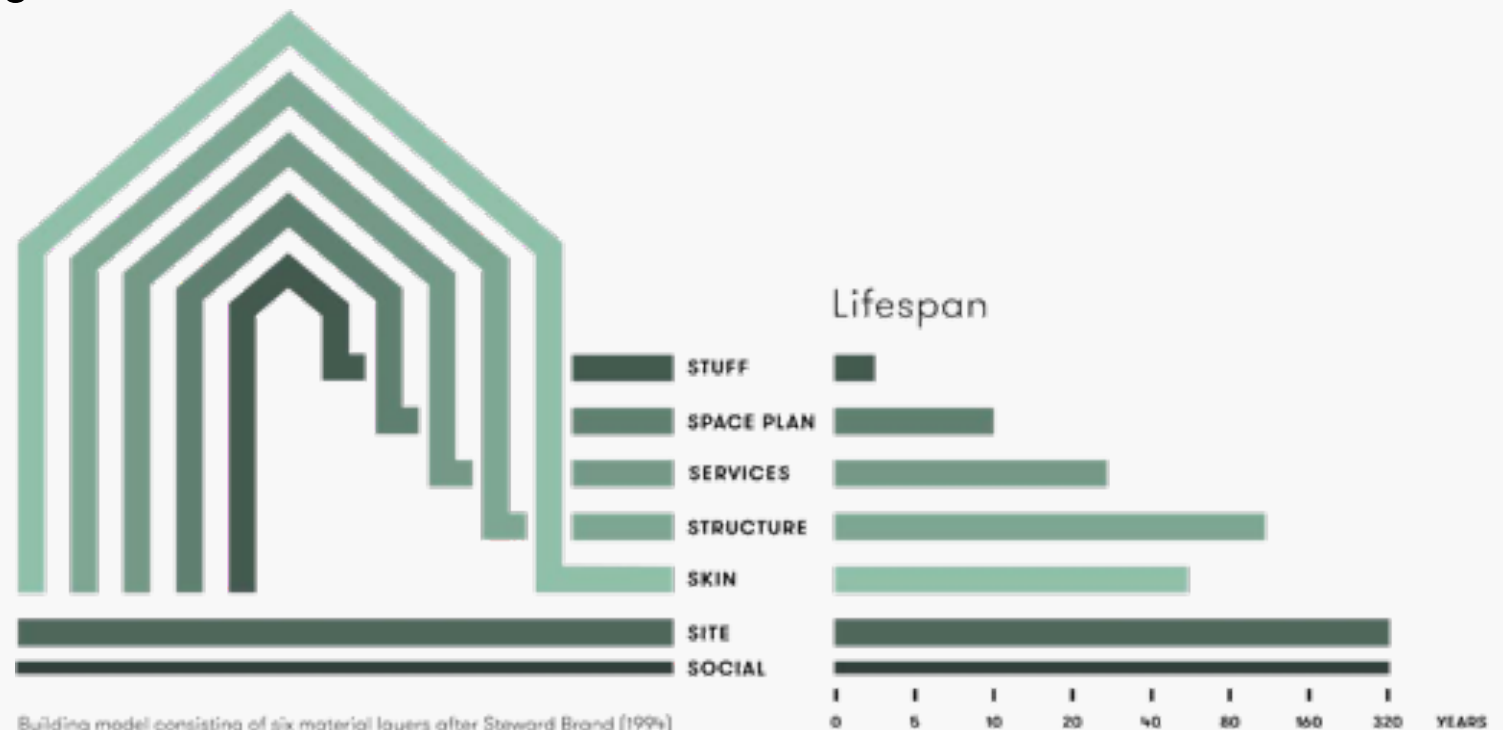


Platform



Take back service
We collect old products to shred and re-print into new items

We focus on architectural
objects & systems,
with a lifespan of
5 months - 50 years



Building model consisting of six material layers after Steward Brand (1994) and David Bergman (2011) and a seventh social layer.

Source: Arcadis

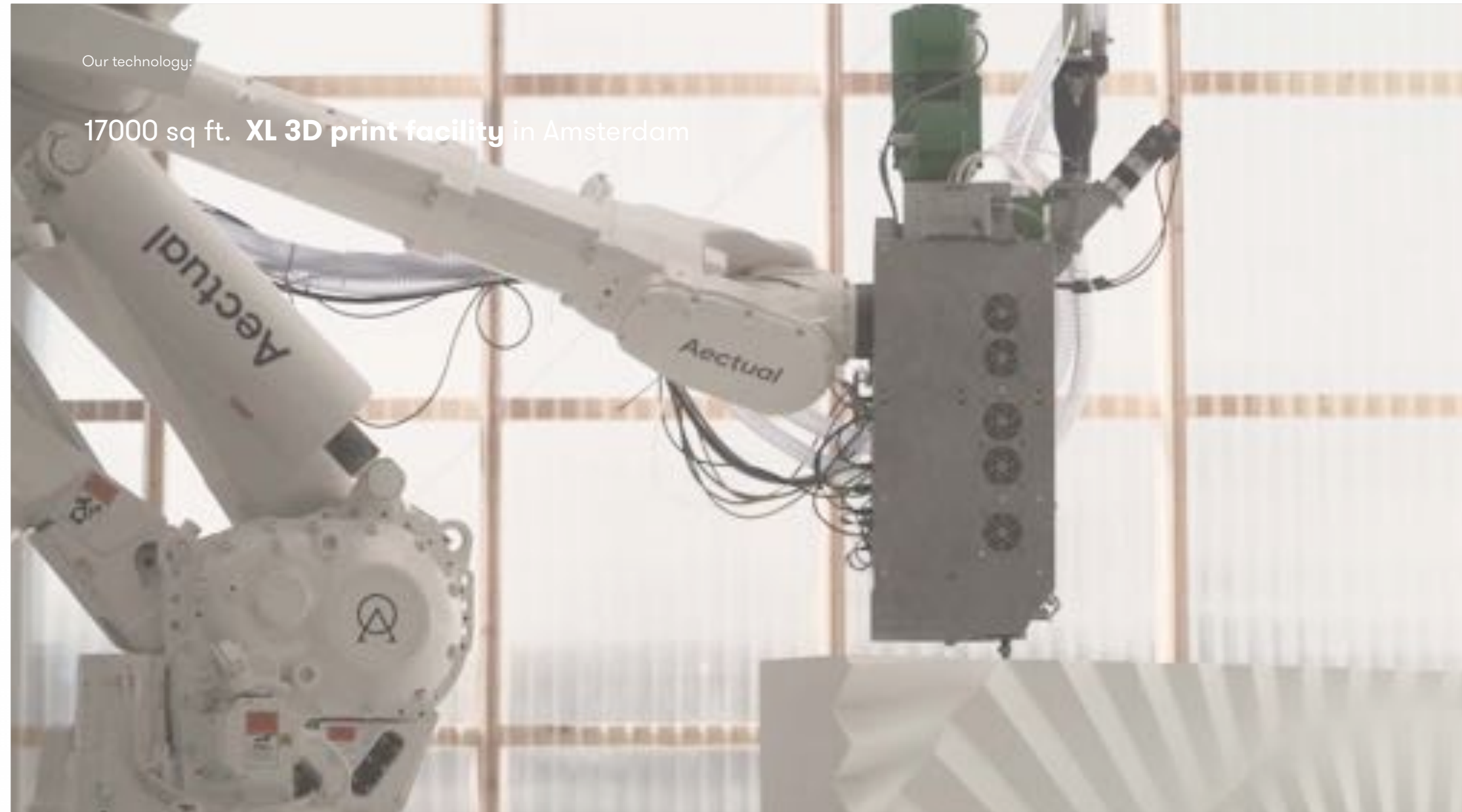
Additive Manufacturing seamlessly fits the transition to Circular Manufacturing



Source: Stephanie Hendrixson, Additive Manufacturing 2020

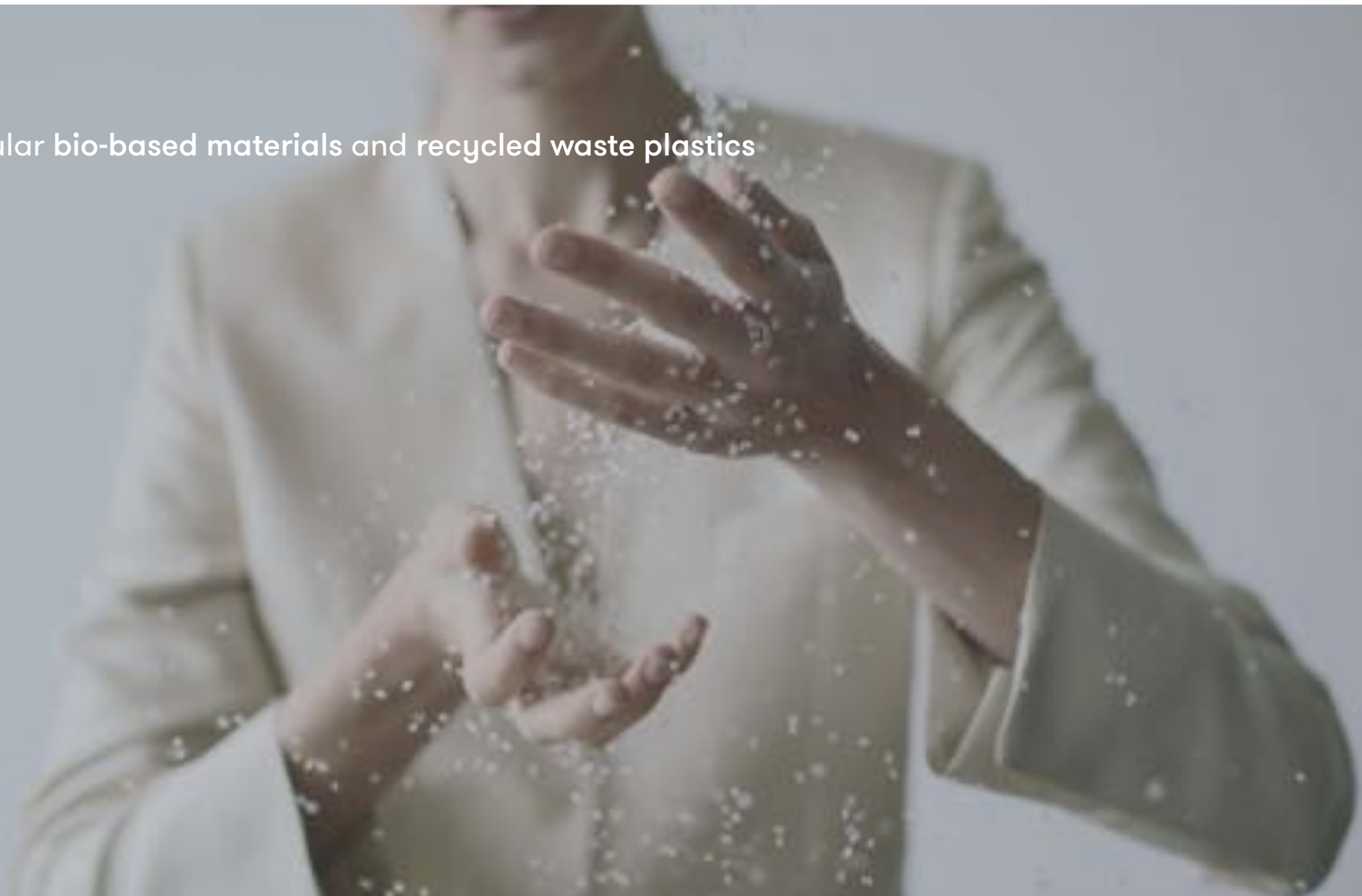
Our technology:

17000 sq ft. **XL 3D print facility** in Amsterdam



Our materials:

100% circular bio-based materials and recycled waste plastics



These 3D Printed Architectural Features Could Not Be More Beautiful



Jennifer Wills, Author (over 100 articles) [View Profile](#)

Updated 10/10/18



The 3D printing technology is being used to create beautiful, functional architectural features. [View Article](#)

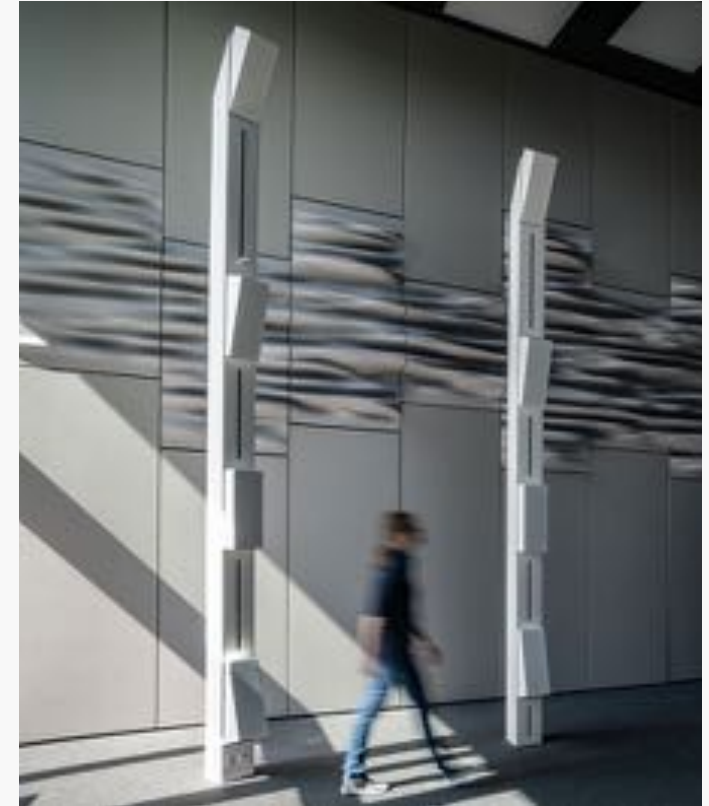
The platform for made-to-measure and fully circular interior and architectural products at scale



Interior Furniture

Stools, planters & screen objects

Easy to configure via our webshop



Architectural Finishes

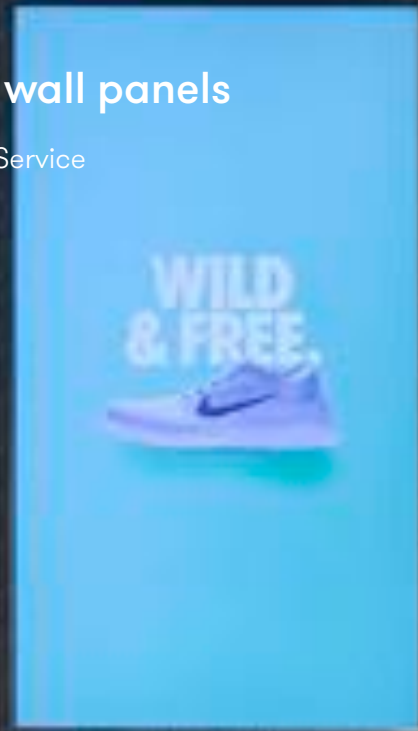
Wall, floor & ceiling systems

Easy to scale to any building
via our dashboard

Product: Weave wall panels

Part of Aectual Circular Service

NIKE Town London by Nike design team



USING STATE OF THE ART PRINTING TO CREATE CUSTOMIZABLE ARCHITECTURE

Make it Unique



Product: **Weave wall panels**

Part of Aectual Circular Service

← FITTING



Product: **Weave wall panels**

Part of Aectual Circular Service

Entrance canopy Dutch parliament The Hague by Zecc architects



Product: **Weave wall panels**

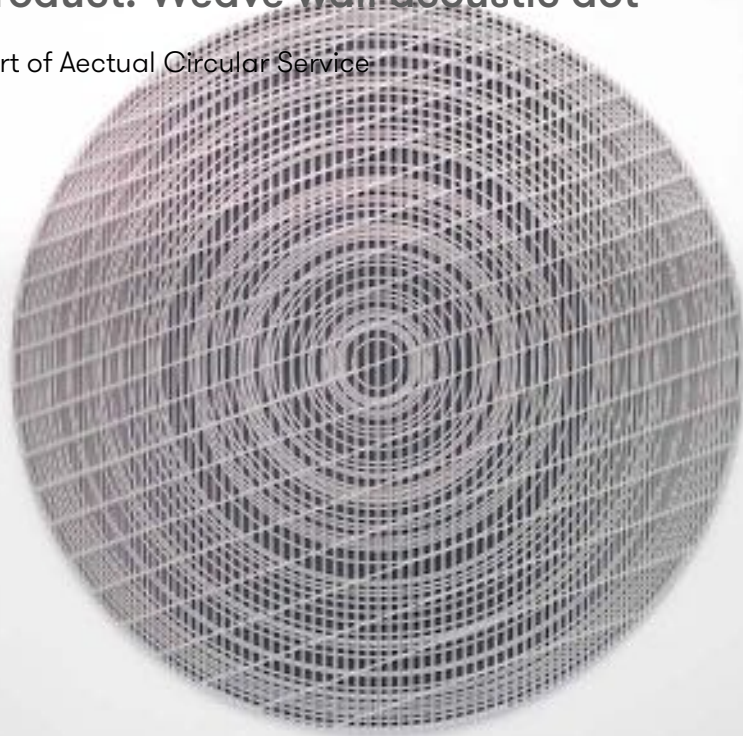
Part of Aectual Circular Service

Entrance canopy Dutch parliament The Hague by Zecc architects



Product: Weave wall acoustic dot

Part of Aectual Circular Service



available directly via Aectual webshop



Product: **Acoustic Diffusion Paneling**

Connecting soundscape data with manufacturing data

Developed & designed by Gramazio Kohler Research



Product: Acoustic Diffusion Paneling

Applied in ETH Zurich sound lab

Soundlab ETH Zurich



Product: Acoustic Diffusion Paneling

For Dutch Real Estate - former airbase



Product: **Acoustic Diffusion Paneling**

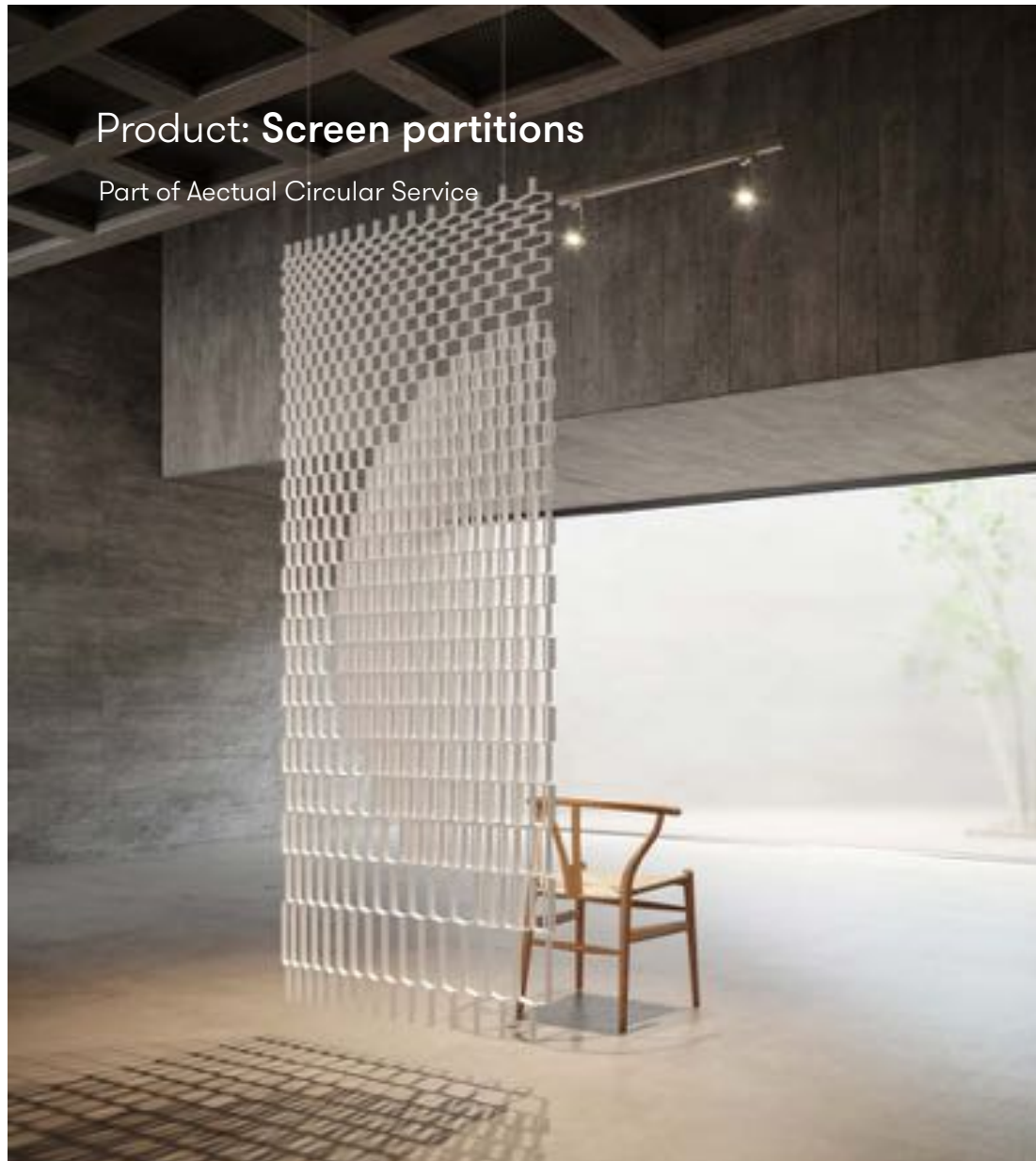
Part of Aectual Circular Service

available directly via [Aectual webshop](#)



Product: **Screen partitions**

Part of Aectual Circular Service



Product: Office Screen partitions

Part of Aectual Circular Service



Product: Office Screen partitions

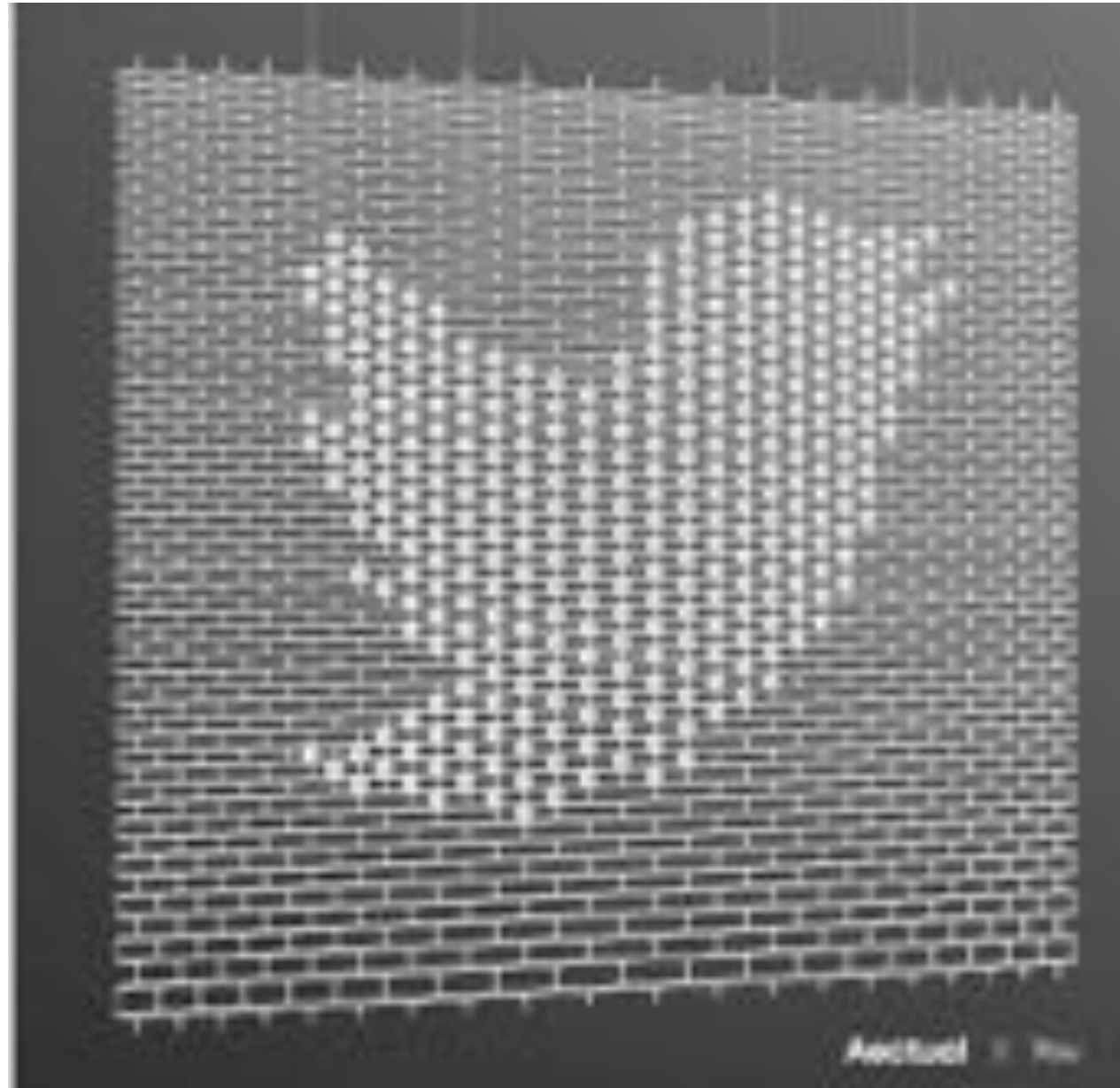
Part of Aectual Circular Service



Custom design example

Product: Office Screen partitions

Part of Aectual Circular Service



A woman with long brown hair is shown in profile, looking out a window. The window is covered with decorative, light-colored blinds that have a repeating leaf-like pattern. Her hand is raised, touching the blinds. The lighting is soft and warm, suggesting sunlight filtering through the blinds. The overall mood is serene and artistic.

Product: **Indoor blinds / Brise Soleil panels**

Part of Aectual Circular Service

Integrate perfect sunshading based on your location and create beautiful shadows

Numbers

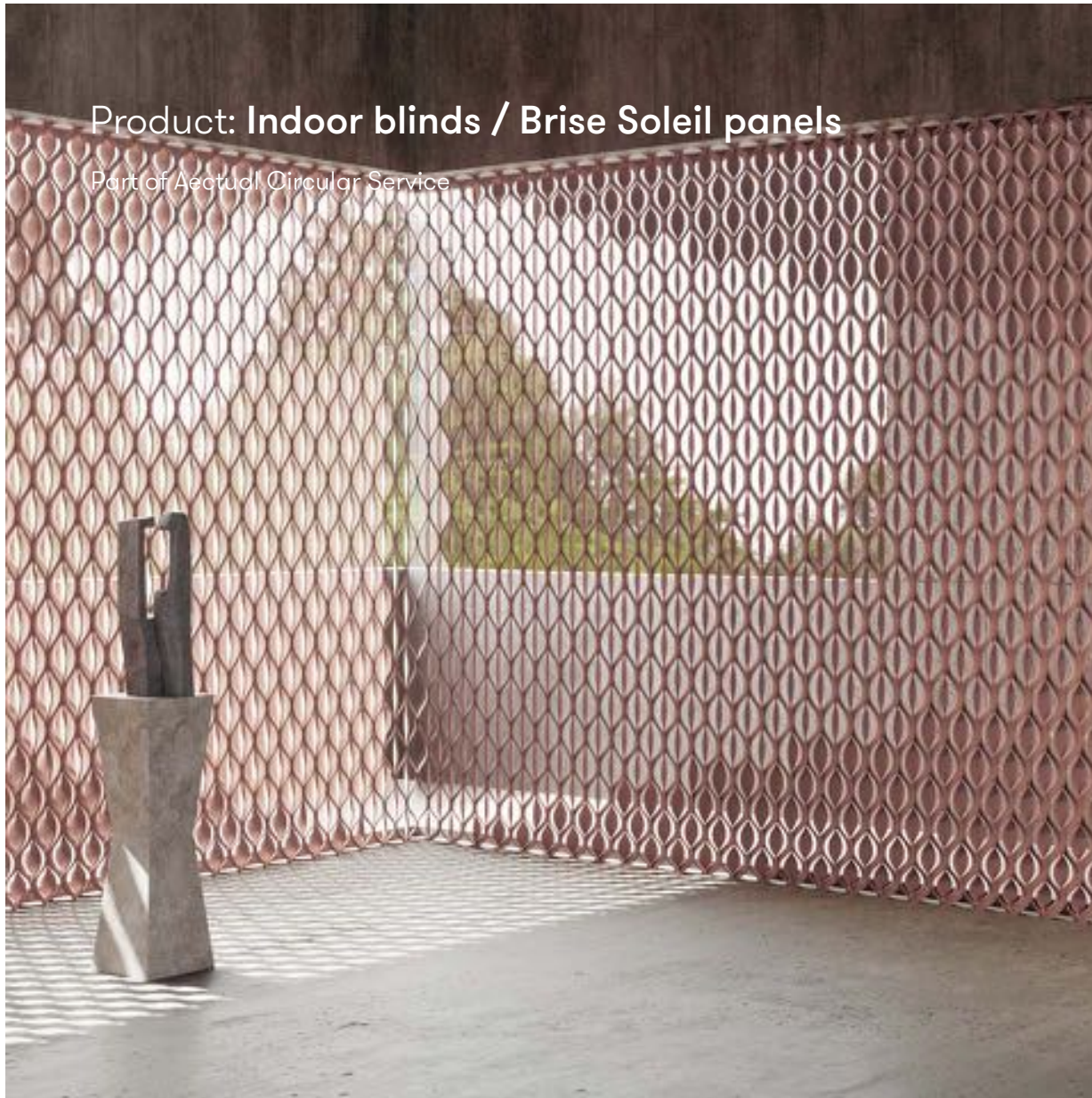
Product: Indoor blinds / Brise Soleil panels

Part of Aectual Circular Service



Product: **Indoor blinds / Brise Soleil panels**

Part of Aectual Circular Service



Product: Furniture Panels

Part of Aectual Circular Service

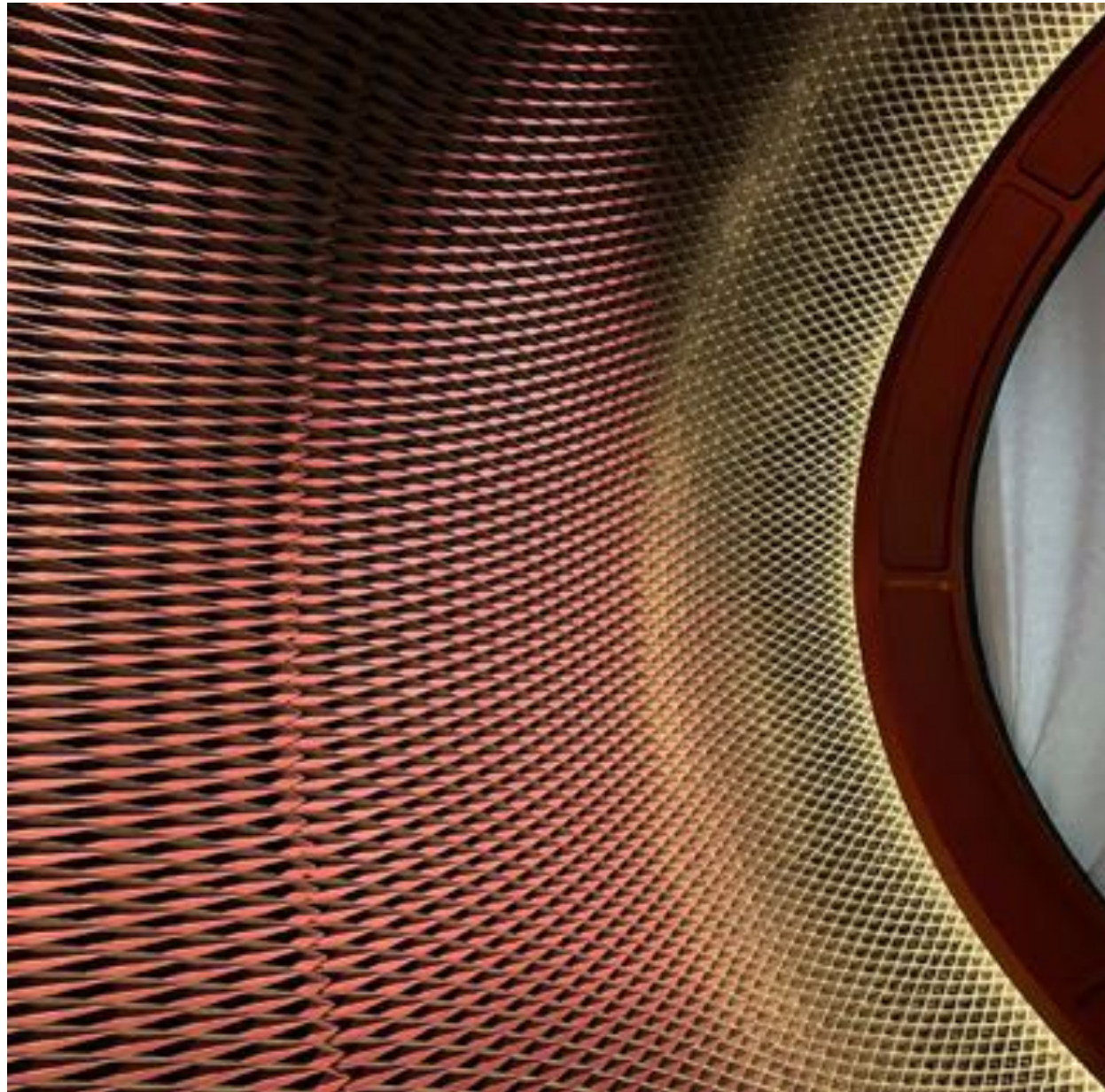


Flagshipstore LOFT in Tokyo by DUS architects & Schemata architects



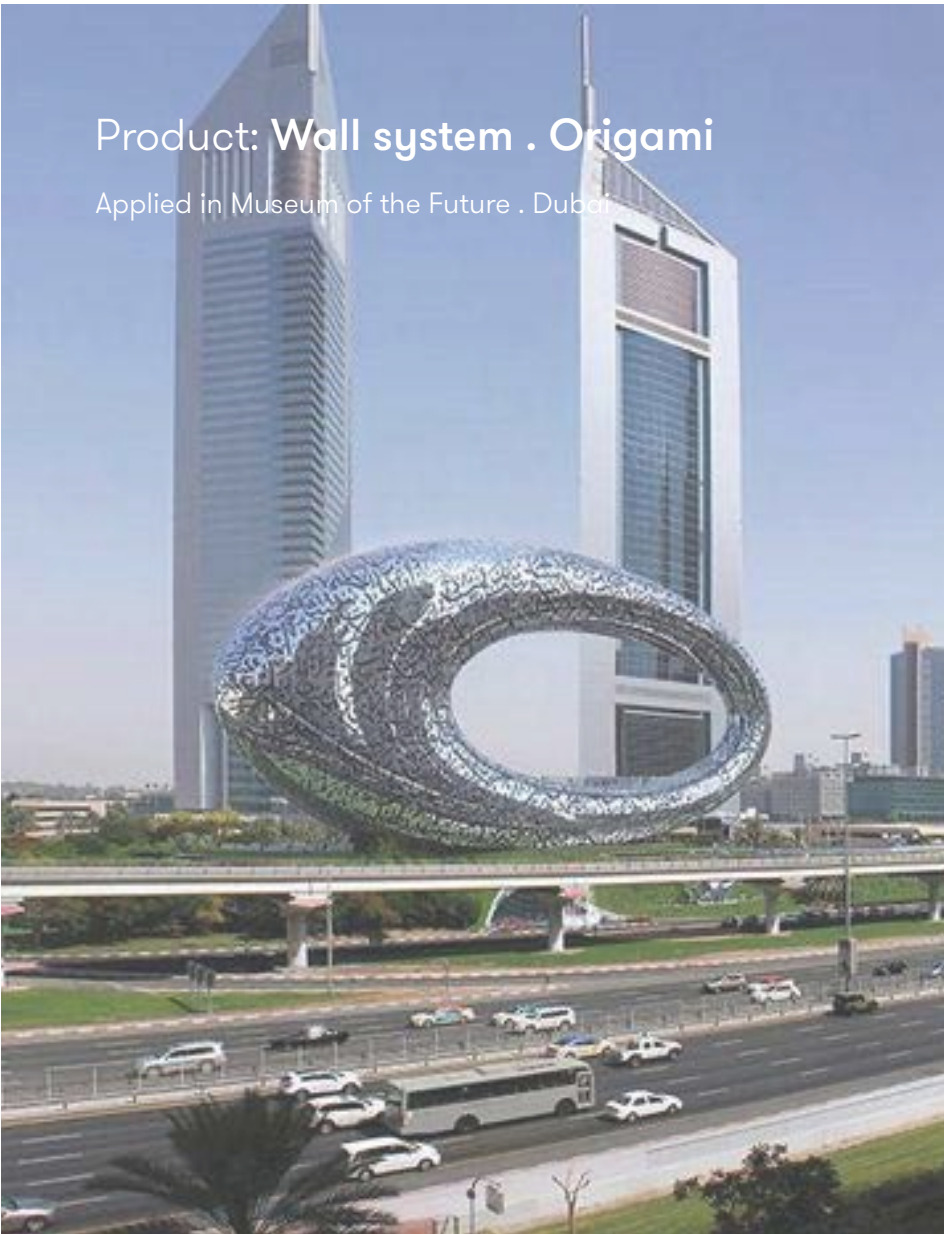
Product: **Wall system . Origami**

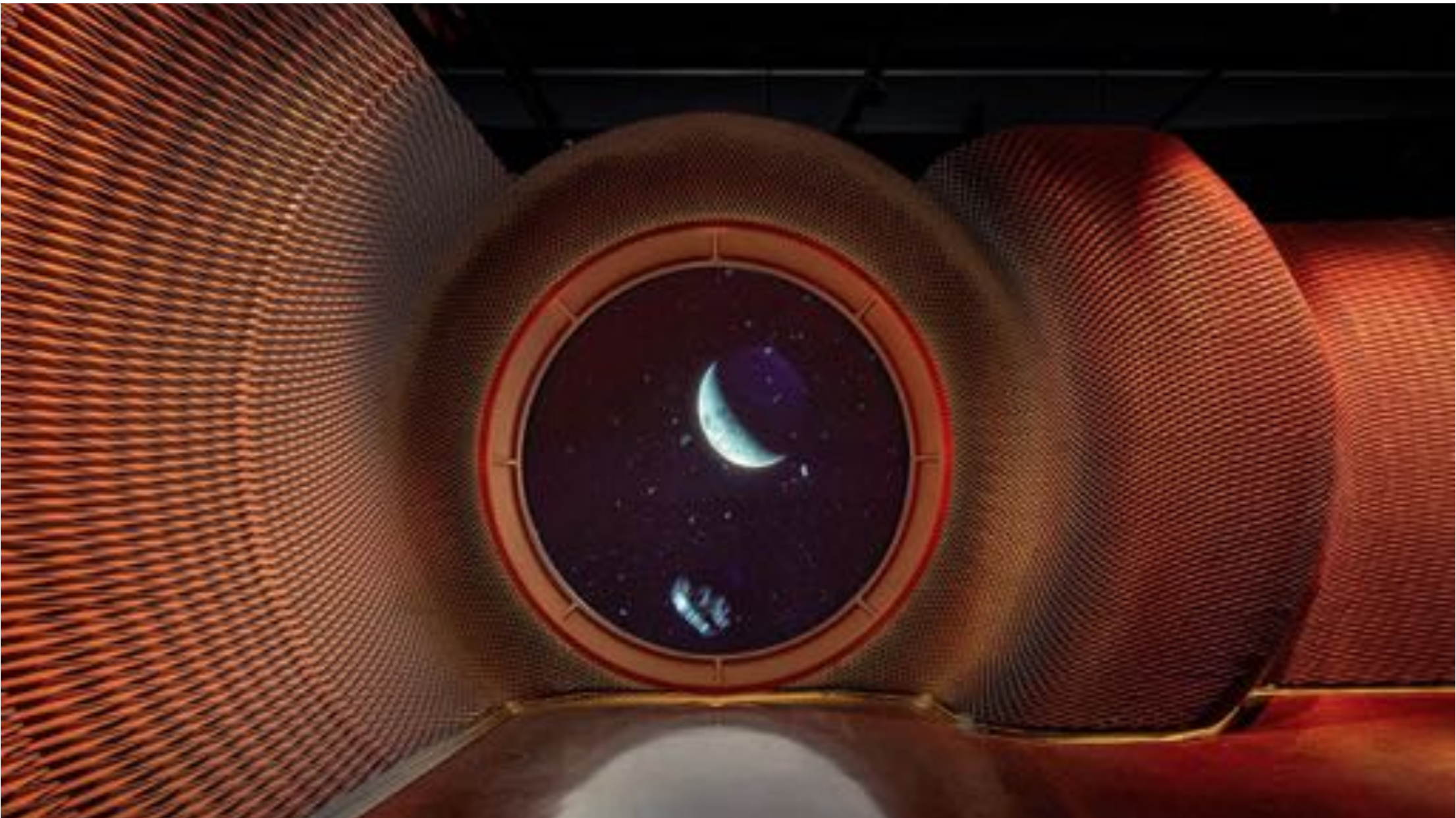
Applied in Museum of the Future . Dubai



Product: **Wall system . Origami**

Applied in Museum of the Future . Dubai





Product: **Wall system . Cannelure . 01**

For Bauhaus pavilion



Product: **Wall system . Cannelure . 01**

For Bauhaus pavilion

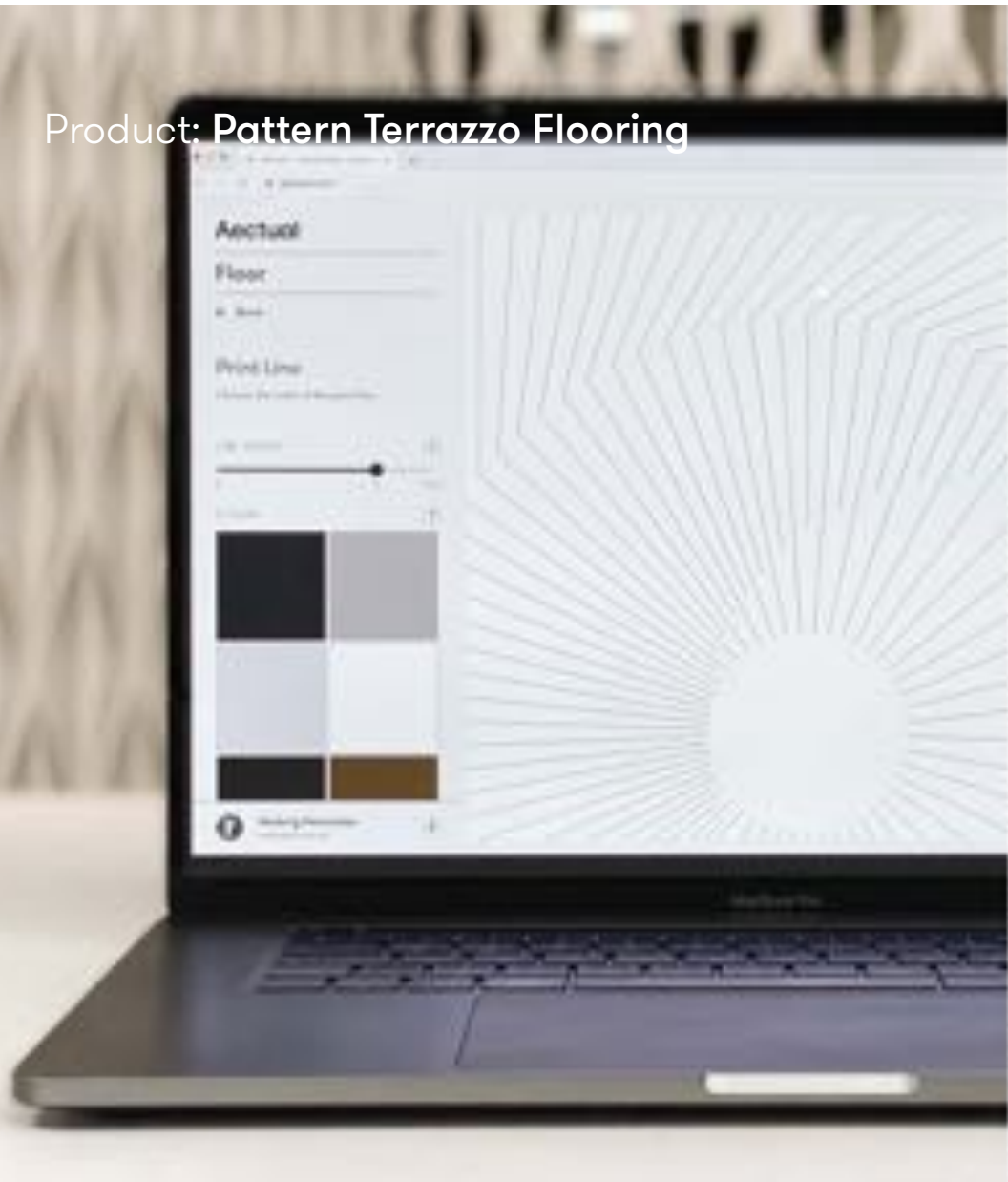


Product: **Wall system . Cannelure . 01**

For Bauhaus pavilion - Germany Travel - Paris, Barcelona, Rotterdam, Copenhagen



Product: Pattern Terrazzo Flooring



Product: **Pattern Terrazzo Flooring**

2000 m2 applied at Schiphol Airport



DIGITALLY PRODUCED BY AECTUAL DESIGNED BY PATRICIA URQUIOLA

BMW Welt in Munich



Product: **Wall system . Cannelure . 02**

For Tetra Pak offices Worldwide



Product: **Booth . 01**

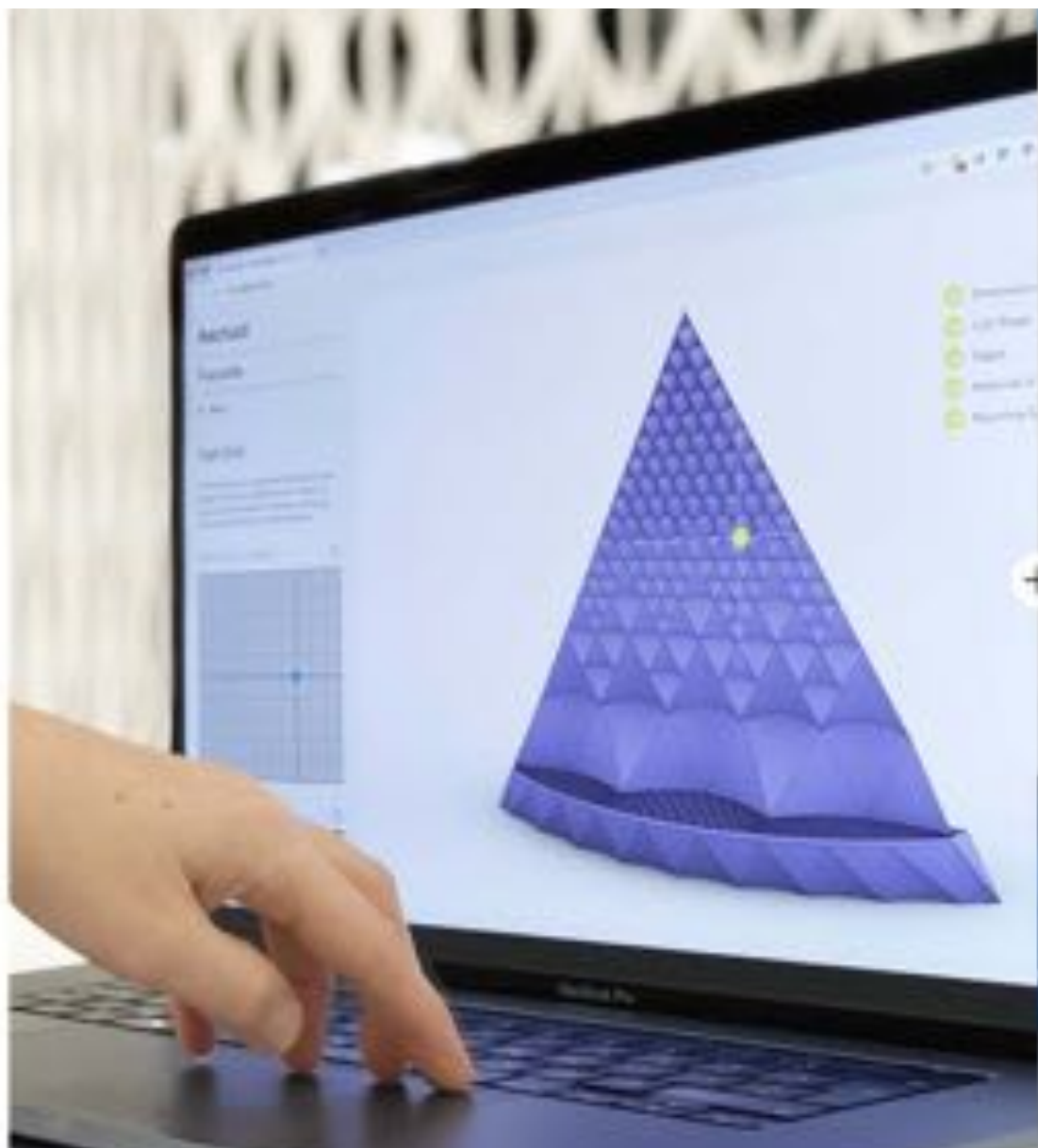
For Tetra Pak offices Worldwide



Product: **Meetingroom . Drape . 01**

For Tetra Pak offices Worldwide





Product Circular Facade paneling
EU Building Amsterdam
Designed by DUS architects



Product: **Temporary facade system**

EU building - for NL presidency - Ministry of Foreign Affairs



Product: Temporary facade system - Claustra Wall

UAE Pavilion Floriade by Pragma Architects



Product: **Temporary facade system - Claustra Wall**

UAE Pavilion Floriade by Pragma Architects



Weave panels & Claustra wall

UAE Pavilion Floriade by Pragma Architects



Product: **Outdoor Canopies**

Part of Aectual Recycled



Product: **Temporary events**

Urban Cabin by DUS architects



Explore and join
the platform for
tailor made & circular
architectural solutions

Aectual

