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EXPO OSAKA 2025: THE AUSTRIAN PAVILION SETS TIMBER TO MUSIC THE STRUCTURE SYMBOLIZES A LINK BETWEEN TRADITION AND INNOVATION



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By [Editorial Staff](#) - 16 July 2025

[Hasslacher group](#) has participated in the project

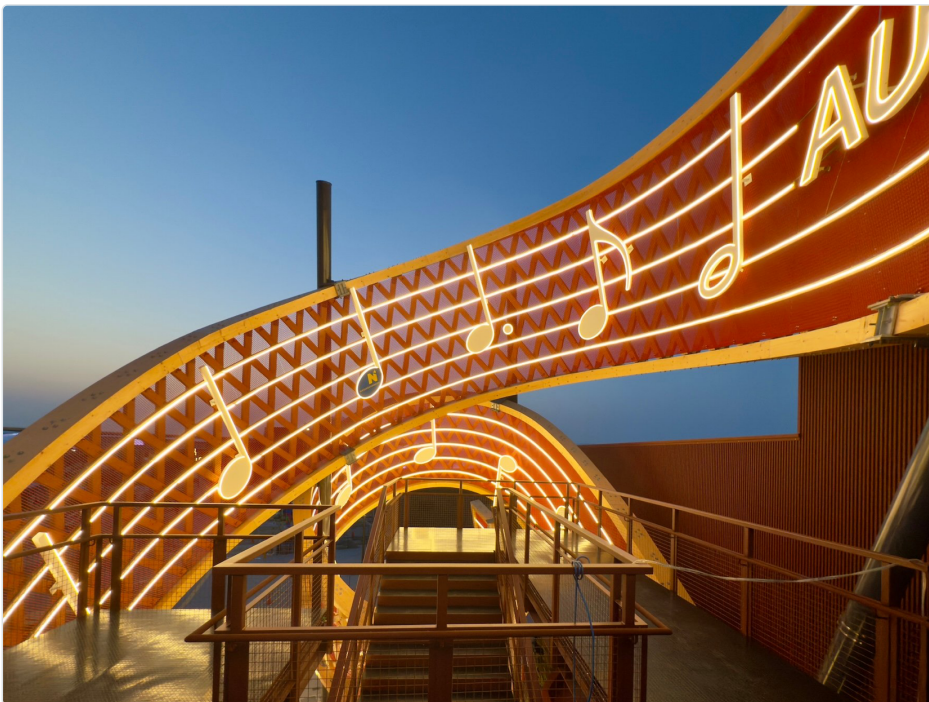
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Titled *Composing the Future* and designed by **BWM Designers & Architects**, the Austrian Pavilion at **Expo Osaka 2025** expresses the idea of writing the future as if it were a melody. This iconic structure features a 16.5 m high timber façade in the form of a **spiraling music staff**, symbolizing the fusion of Austria's past, traditions, and culture with technological innovation. Inside, the spiral transforms into a digital ribbon, underscoring Austria's **spirit and role as a center for innovation, research, and technology** in the heart of Europe.



Sustainability was central throughout the design and construction phases. Collaboration with **HASSLACHER group** as timber supplier was key in this respect, with the firm selecting over **40 cubic meters of spruce for the timber music staff**. The choice of timber and the use of removable screws, instead of adhesives, align with this eco-centric approach. Also, when the exhibition closes, the **structure can be dismantled and reused**. In fact, each component is designed to be fully disassembled and reassembled many times. Timber was also chosen for its high strength-to-weight ratio.



BWM Designers & Architects designed the timber staff around **geodesic bands**, resulting in a spiral shape that allows slender wood lamellas to be joined without multi-axis CNC milling. After bending, the lamellas are doweled to form a structurally stable, freestanding spiral that resists wind gusts of up to 270 km/h. Graf-Holztechnik and engineering firm Werkraum Ingenieure ZT-GmbH also contributed to the construction of the spiral.

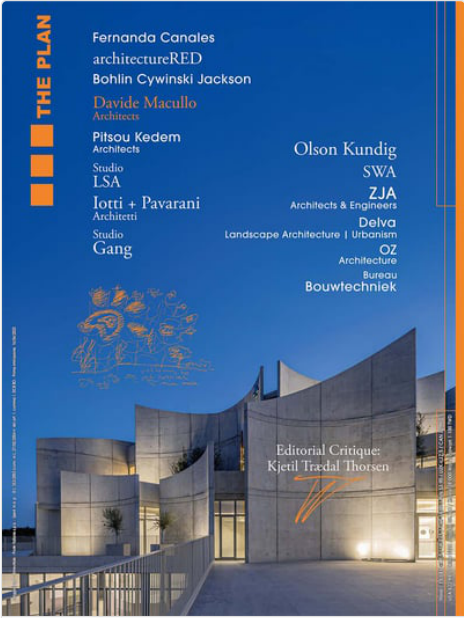


To procure the 40 cubic meters of spruce needed for this important project, HASSLACHER group used a **mechanical grading process** at their site in Sachsenburg (NORITEC Holzindustrie GmbH). The lamellas were milled to 8 and 12 mm thickness to achieve the tight radii required for the staff. **Composing the Future** therefore goes beyond expressing the idea of a melody for the future to be a **masterpiece of craftsmanship** for today and future generations.

More info: www.hasslacher.com

Location: Osaka, Japan
Architects: BWM Designers & Architects
Client: Republic of Austria represented by the Expo Office of the Austrian Federal Economic Chamber (WKO)
Timber supplier: HASSLACHER group
Completion: 2025

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