

# A Glass Symphony

Palau de la Música. Valencia





# The 'new' Palau de la Música

in Valencia wrapped in



he Palau de la Música in Valencia ushers in a new era with the complete renovation of this cultural icon in Spain.

After four years of meticulous work, the Palau shines in all its glory, mirroring the grand glass dome that defines its architectural character.

The Valencian auditorium, renowned for its prestige and **exceptional acoustics** in Europe, was inaugurated in 1986 and designed by the National Architecture Prizewinning studio of José María García de Paredes.

Now, the Santatecla
Arquitectos firm has overseen and directed the rehabilitation. Beyond addressing issues in some deteriorated spaces like the roofs, the primary goal was to preserve the essence of the original construction while aligning it with sustainability and energy efficiency criteria for 21st-century international building standards.

In this context, the contribution of glass processing by **Cricursa** for the Valencian firm **Singular Glass**, responsible for the overall installation, creates a symphony both in terms of aesthetics and sustainability.

The "score," composed by Santatecla Arquitectos and masterfully interpreted in the...









# **Otvitec** | CRICURSA

installation by Singular Glass, incorporates nearly 3,000 meters of curved double glazing with a 20mm Argonfilled chamber, tempered and annealed units, all coated with an Ultraclear Sunguard SN 70/35 layer.

### Tvitec | Cricursa's

high-performance solutions were not the only ones supplied for the project. A diverse range of products from Schüco Iberia was chosen for the curtain walls and all the metalwork.

The choice of glass, in accordance with the architects' specifications, adds to the showcase of Cricursa's curved glass manufacturing capabilities. "We opted for an exterior selective glass with a very neutral appearance but with excellent solar protection and exceptional thermal insulation, meeting the architect's requirements," explains Alex Sasplugas, one of the world's curving geniuses on an international scale. "For the interior ensemble. the technical decision was to use a laminated safety glass composed of two lowiron 5mm glass panels", he concluded.

The chosen thermal treatment was annealing, ensuring impeccable optical quality, a detail closely aligned with the architect's vision



# An Evolutionary Experience

Alex Sasplugas General Manager | Cricursa

As we grow older, we gain the knowledge Now it was time to adapt the skylight to of experience. But we remember when modern standards: reducing energy input, we were younger and had our whole lives lowering consumption, and making it more ahead of us. You can't have it all. However, sustainable. The old glass panels had this year has given us the opportunity to remained in perfect condition. There were update the past with the accumulated no breakages, even though many experts knowledge, thanks to the Palau de la today might argue that 5+5 tempered Música, for which Cricursa manufactured laminated glass is too thin for a skylight. curved glass in 1986, now replaced with glass of better energy performance. In 1986, during my early days at the company, and taking advantage of military service leave, I was fortunate to participate in the first production of these glass panels.

The Palau was one of the major projects of that time, both in terms of the scale of the project and the elegance of its design. Architect José María Paredes, a National Prize winner in 1956, had envisioned an auditorium with a massive transparent roof, which was an architectural milestone and a challenge for the company. When determining the new composition,

José Figueroa, the current head of the

The façade was a transparent skin, crafted that has served as the building's skin for from 5+5 tempered laminated curved 37 years, avoiding overburdening the glass. At that time, tempered curved glass and selective coated glass did not exist, avoid many of the anisotropies associated let alone sustainability consciousness. To with tempered glass, which, in the case control the energy load, the glass had to of a skylight, could be very noticeable be darkened or made highly reflective. against the backdrop of the blue sky. However, the architect had chosen a highly transparent skin to give the We believe that the mission has been building a sense of elegance. Over time, accomplished. everything evolves, including technology.



some raised this question. Our recommendation to architect Roberto curved glass section with nearly half a Santatecla was to use an insulating glass century of curved glass expertise, was unit combining an 8mm tempered outer one of those responsible for ensuring the pane with a 5+5 laminated tempered inner production batches needed to deliver pane. The outer pane features a triple silver the project on time. Spain was a country low-E coating on surface #2 to achieve known for its sun, light, and warmth. excellent thermal performance. The inner laminated pane can be as thin as the glass structure. Thanks to its tempering, we also

## Adaptation of the Palau de la Música

### Roberto Santatecla Architect | Santatecla Architects

General Urban Development Plan was under la Música, on a podium-like embankment on the left bank of what would become that large

Jose María García de Paredes, the architect



Flat + Curved

Sustainable Glass