



Carnival Jubilee's glazing sets new standards in cruise ship architecture (source: Martin Lueke)

Carnival Jubilee: new standards for glazing

Carnival Jubilee's aesthetically pleasing glazing boosts energy efficiency and passenger comfort

Carnival Cruise Line's latest ship *Carnival Jubilee* sets new standards in cruise ship architecture with its impressive glazing by Brombach + Gess. The company is an expert in bonded ship glazing, as demonstrated through its work on this spectacular vessel.

Carnival Cruise Line's third dual-fuel cruise vessel debuted in December last year.

Built by Meyer Werft, *Carnival Jubilee* is the third Excel-class ship, following *Mardi Gras*, the first LNG-powered cruise ship in North America when it started operating in Port Canaveral in 2021 and *Carnival Celebration*, which joined the fleet last year, sailing from Miami.

A standout feature of *Carnival Jubilee* is the imposing atrium facade spanning three decks and comprising 144 glass elements. The largest of these elements measures an impressive 4.0 m in length and 1.2m in height. This facade features edge-to-edge, frameless bonding, creating a seamless

transition between interior and exterior spaces.

Another notable feature by Brombach + Gess is the rear restaurant spanning decks 6, 7, and 8. Here, Duromare glass elements were used, which is developed especially for maritime needs. This laminated safety glass can withstand higher pressure loads than a standard laminated glass pane, and is thinner and lighter, offering higher load-bearing capacity.

This underscores the company's product focus on innovative solutions that meet the highest standards.

A central aspect of the glazing on *Carnival Jubilee* is the use of special glass coatings, which provide effective sun protection and excellent thermal insulation without excessively reducing or blocking natural light, increasing passenger comfort and improving the energy efficiency of the ship.

In addition to technical innovations, the glazing of *Carnival Jubilee* is characterised by its aesthetic design.

Brombach + Gess has more than 30 years of experience in bonded ship glazing and continuously drives innovation, which it expressed on *Carnival Jubilee*.

Carnival Jubilee's interiors include a series of 'firsts' for the cruise operators, including Currents, encompassing Deck 6 and Deck 7, described as an "awe-inspiring, immersive and transformative space that takes guests below the waves with a playful vibe featuring innovative technology, new and exciting bar and dining venues and live music".

The portals to the sea comprise six huge LED windows, along with a massive wave-shaped LED ceiling.

On Deck 8, The Shores is the place where the ocean meets land, a zone that is inspired by the ways people enjoy the seaside including piers, boardwalks and beaches.

An impressive three-deck-high fish school art installation rises from Deck 6 all the way to Deck 8 to bring guests up from the Currents below to the surface. *PST*