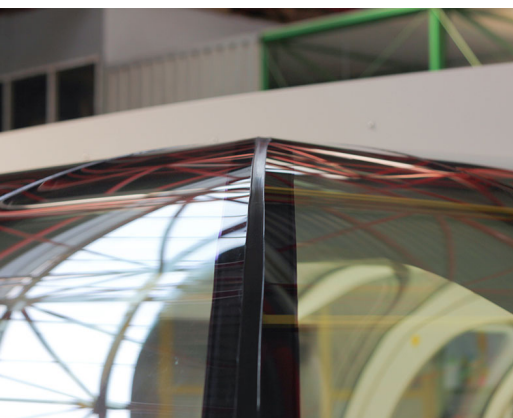
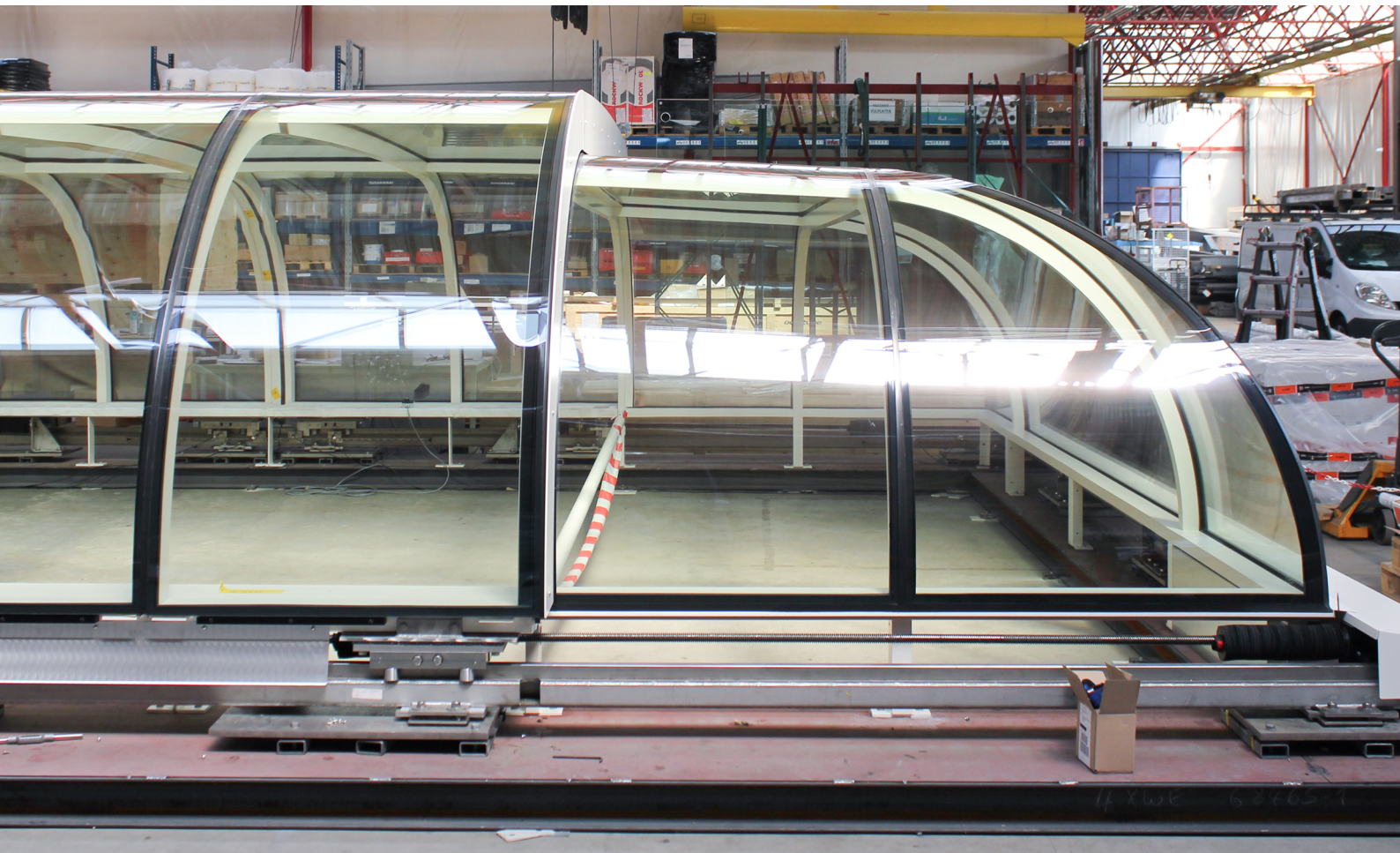


PARK HOUSE

PALMER LUNN ARCHITECTS
LONDON, UK
2020

Architect
Client
Location
Year

07821



Octatube designed, engineered, manufactured and installed this extraordinary sliding roof in central London. The roof is a challenging combination of an unusual shape, maximum slim steel profiles, high quality hot bent glass, unique silicone bonding and a custom mechanical system for a smooth opening of the roof within 60 seconds. The sliding roof is 10 meters long, 7 meters wide and 2 meters high. The stainless steel rails and 'cars', worm gear and engine were specially designed for this project.

They are fitted under the glazing on the outside of the retractable roof. Innovative about this roof is that the hot bent IGU glass units are connected to the steel structure with a 2-component structural silicon sealant, without any other mechanical fixings. The glass corners presented a special challenge because of their rigid geometry and the tolerances in the production process for hot bent glazing. To ensure a perfect fit, the corners were produced with a contra mould.

octatube