

The future in glass: **NORTHGLASS** crafts OPPO's signature statement





NorthGlass has played a pivotal role in the design by Zaha Hadid Architects of OPPO's iconic Shenzhen HQ. Spanning over 750,000 square feet of glass -including nearly 14,000 curved panels- this groundbreaking project showcases both unmatched precision and NorthGlass' leadership in complex, double-curved curtain wall fabrication.

Located in Shenzhen, OPPO's Global Headquarters was designed by the internationally renowned Zaha Hadid Architects. It is widely regarded as one of the most complex buildings in China. Comprising four interconnected towers with a total floor area

of 240,000 square metres and a maximum height of 200m, this cutting-edge development demanded an unprecedented level of technical prowess. As a key curtain wall glass supplier, NorthGlass took on the critical role of transforming this visionary design into reality.

ARCHITECTURAL INNOVATION MEETS ENGINEERING MASTERY

Reflecting a fluid, curvilinear design language, the building presents a strikingly futuristic silhouette. Its core structure was ingeniously repositioned to the exterior, maximizing in-

terior space while imposing extraordinary demands on curtain wall fabrication and installation.

GLASSWORK AT AN UNPRECEDENTED SCALE

OPPO's Global Headquarters features approximately 70,000 square metres of glass in total, including nearly 14,000 curved panels. Among these, around 9,000 are exceptionally challenging free form, convex&concave bent, saddle-shaped pieces - plus a spherical rooftop structure. Single-curved panels can span up to 5.4 metres in arc length, while the double-curved varieties reach up to 6m, with the tightest bending radius of 1 metre. These stringent precision requirements set a new benchmark for complexity within the industry.

PUSHING THE BOUNDARIES IN CURTAIN WALLS

To address these challenges, NorthGlass harnessed its advanced research and development capabilities, implementing a comprehensive solution that encompassed custom equipment design and process optimization. From 2020 to 2024, NorthGlass collaborated closely with the client on multiple full-scale 1:1 VMU (Visual Mock-Up) tests, refining technical strategies to meet the project's rigorous performance standards. The resulting glass panels were acclaimed for their impeccable appearance, superior

tempering quality, and outstanding dimensional accuracy. NorthGlass assembled its top technical experts and invested in new bending, tempering, laminating, and insulating equipment to ensure the project's success - ultimately pushing the boundaries of traditional fabrication methods. The achievement stands as a significant milestone for double-curved glass curtain wall construction and sets a pioneering standard for the industry at large.

A FORMIDABLE LANDMARK

Slated for completion in 2025, OPPO's Global Headquarters is set to redefine the skyline of Shenzhen Bay, offering a bold vision of architecture's future. Inspired by this landmark project, NorthGlass will continue ad-



vancing research and development, driving transformation in the curtain wall glass sector through excellence in craftsmanship and engineering, and contributing its expertise to more world-class construction projects.



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