



# NORTH GLASS' new dual curved laminated IGU wows Qatar

Selected among the insulating glass suppliers for Qatar's renowned Lusail Towers, Tianjin NORTH GLASS adds luster once again to a world-class, landmark building as the city prepares for the FIFA World Cup 2022.





With Qatar 2022 marking the first ever World Cup to be held in a Middle Eastern country, the city has built Lusail, its new 'green city' in the desert, to host the mega-event - jubilantly celebrating this significant historical moment, which comes as epoch-making not only for sports at large but also for development within both Asia and the world entire.

Here, to best fit the building and keep its structure safe, the edge of the glass has been arched into a curve such that the glass is twisted diagonally. Each of the four skyscrapers has an oval bottom facade

and the rotation starts from the bottom of the building. In this way the building twists as it rises, with the overall facade shape twisting to 90 degrees in such a way as to create the impression of an asymmetric structure.

### FRESH SUCCESS ADDED TO OTHER WINS

Thus, following its extensive experience producing jumbo-size glass that extends to 24 m for landmark projects the world over, Tianjin North Glass comes to Qatar in the wake of many winning projects of the past, including the Alif-mobility Pavilion at Expo 2020 in Dubai, as well







petent technical team - all of whom jointly devoted themselves to the kind of craftsmanship that can only come in pursuing the greatest excellence. Indeed it was within just two months that they completed the processing of all 192 pieces of insulating glass -each one 11 metres in height- before sending them to Qatar. In this delivery, 92 pieces of special-shaped glass blocks are being installed to begin the curtain wall that will spiral upward to soar into the skies - all while making the entire building ever more robust and dynamic.

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as the Apple Store within the famous Mall of that same city.

### THE PROJECT

The company independently-developed a new cold-bending technology, successfully creating its diagonally-twisted, dual-laminated insulating glass of high-performance. The glass reaches 11 metres in height and has an arc precision deviation that's

controlled within less than 1 mm - the edge arc curve being controlled within 0.5 mm. With the glass twisted diagonally, a Flexible Super Spacer is applied to the insulating glass instead of a metal one. Meanwhile, the glass' 11-metre height is a noteworthy feat that few existing machines can achieve. Not only. Tianjin NorthGlass developed an innovative means by which

to optimize its Super Spacer cutting process with advanced precision. Application of the butyl adhesive coating is manual, thereby improving appearance and taking quality to a new level - all whilst ensuring the best possible performance of the products themselves.

### A TEAM ENTERPRISE

Here, too, Tianjin NorthGlass boasts a truly com-