

## PTSG shows the ropes with high-level window replacement at Avant-garde Tower





## PTSG shows the ropes with high-level window replacement at Avant-garde Tower



Precision, planning and safe delivery are all essential requirements of any high-level works, where safety risks are greater, and the margins for error are smaller. Premier Technical Services Group PLC's (PTSG) high-level window replacement for property management company Rendall & Rittner required a great deal of care and dedication to all of the aforementioned requirements, whilst still keeping to a tight timescale.

Group company Acescott was commissioned to carry out the high-level window replacement on the new 29-storey Avant-garde Tower development in Shoreditch, East London. Three of the tower's atrium windows had been damaged, and due to the difficult-to-reach location of the windows, required an innovative approach to ensure that the replacement works were carried out swiftly and in the most cost-effective way possible with minimal disturbance to the restaurants below.

PTSG's rope access team and the glazing contractor were tasked with abseiling from the 29th floor of the building's main tower to set up a fall restraint system which ensured the glaziers could work in safe conditions on the atrium's roof. The team cut out the windows' silicone moulding, allowing the glass to be lifted out by crane. The new windows were lowered into the atrium by the crane, and guided into place by a team of skilled workers who ensured that all materials were safely fixed into place.

Planning and co-ordination were essential to the delivery of this replacement. As the window panes were extremely heavy and expensive, a careful and organised approach was of the utmost importance. The crane position was key to lifting the defective glass out of the enclosed atrium smoothly, with further repositioning required in order to fit the replacement panes as easily as possible.

A carefully planned closure of Bethnal Green Road was implemented, including a traffic management system for pedestrians and vehicles to comply with local authority requirements. Through communication and collaboration with the council and planning authorities the project was finished on time, meaning that the road was closed for less than 24 hours, minimising disruption to the public.

As a supplier with experience in a wide range of different industries, PTSG understands how working very closely with client's in-house teams consistently yields the best results. With the help of Mr Kerry Prodromou, the estate manager for Rendall & Rittner, the whole project was delivered successfully and on time.