



**ALPHA
PLATFORMS**

WE LIFT YOU ABOVE ALL

LARGE GLASS INSTALLATION ON A BUSY STREET: DISASTER PREVENTED



www.alphaplatforms.com

A local building management company needed to replace several broken glass units on the fourth floor of a beautiful glass-walled building located on a busy street in New York City.

THE CHALLENGE

The client's declared oversized glass panels had various dimensions, with the largest ones up to 9 x 12 feet and weighing 500-600 lbs. Typically, installation of these panels would have required a crane and a man lift or a crane and scaffolding.

The building management hired a glass installation company that did not have adequate equipment to safely lift and install these oversized panels. Therefore, the glass company engaged Alpha Platforms for an all-inclusive height access service to assist with the project.

THE SOLUTION

Alpha Platforms' team dispatched its [A-150](#), a 150-foot truck-mounted aerial lift with a 12-foot cage capable of lifting 1,320 lbs. for a two-day project.

The full package included securing a city street permit, a full-time lift operator, a Power Lift basket attachment for large, heavy items, lift setup and removal, secure area setup, and two traffic flaggers for the entire duration of the project.

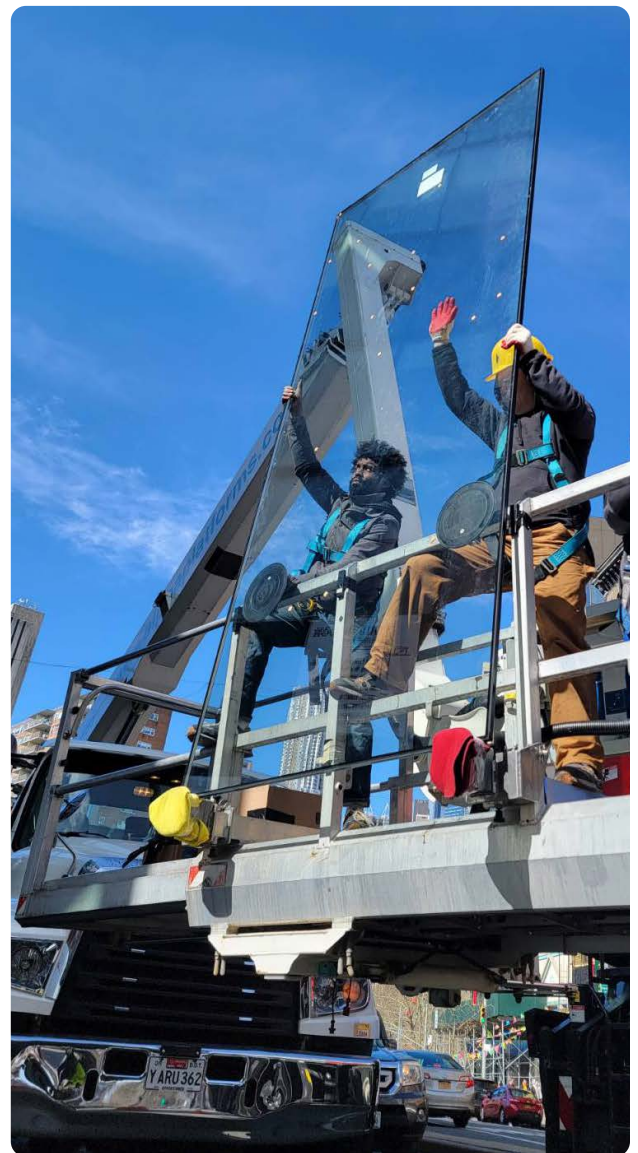
On day one, the A-150 with the Alpha team arrived 15 minutes ahead of schedule, ready to begin, when the customer arrived and delivered the first glass unit. The customer decided to start with the largest glass unit.

Before removal of the old glass, Alpha's operator asked the glazers to load the replacement glass on a cage to check its weight to ensure it met the lift's safe loading limits.

Upon loading it onto the Power Lift, the cage's built-in scale confirmed the glass weighed within the declared 600 lbs. So, with two glass installers, their tools, and Alpha's operator, the total weight was under 1,250 lbs.

The glass panel was then removed from the cage and moved back to the glazers' van to wait until the broken glass was removed.

Then, Alpha's lift operator lifted two glass installers with their tools to the fourth floor, where the largest damaged glass panel was located. They unsealed the glass and started to remove it from a window frame and onto our Power Lift system.



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855-2000-855

THE EMERGENCY

The moment the glass was fully loaded onto our Power Lift system -- the aerial platform's automatic safety system activated, freezing the lift. The operator saw the lift controls screen flashing **"OVERWEIGHT!"**

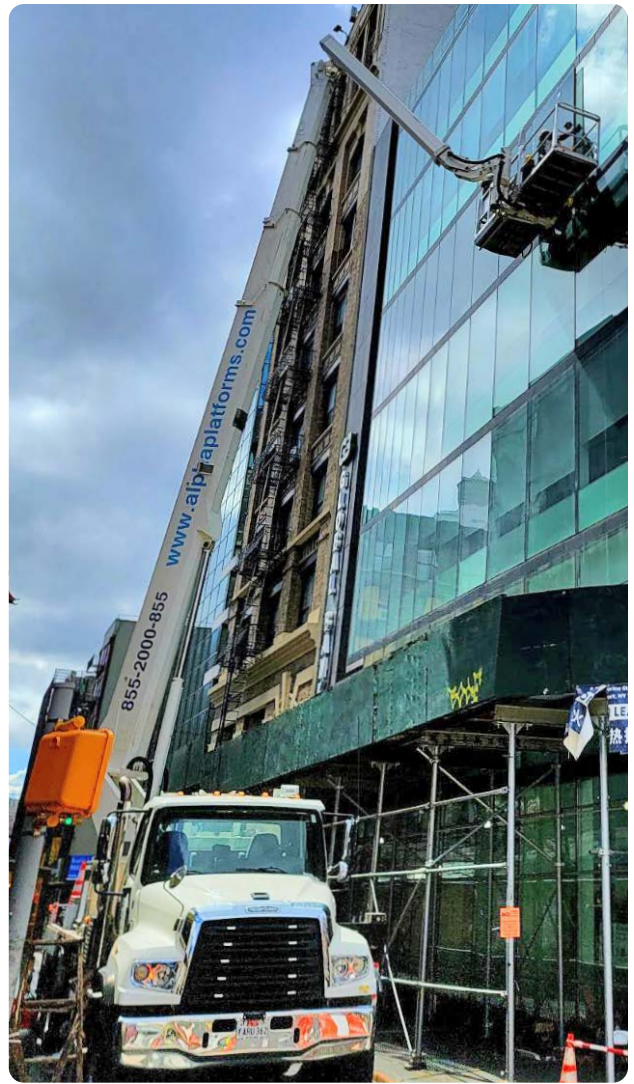
... showing over 200 pounds above the allowed limit.

The client should have declared that they cheated on their bid and were replacing a triple-glass window with a cheaper double-glass window. And that the original triple-glass window was not 600 pounds but actually 900 pounds, pushing our standard basket load past its allowed maximum of 1,320 lbs.

Once the old broken glass panel was loaded into Alpha's Power Lift system, the built-in security monitor immediately locked the boom and, following the manufacturer safety protocol, shut down the electronics of the entire lift, freezing the boom lift in its position, and disabling all further movements.

In Alpha's 10-plus years of experience with nationwide height access projects, not once did we face a situation like that.

An emergency protocol was activated to deploy emergency descent procedures. As all our IPAF-certified and manufacturer-certified operators and other personnel are trained on emergency procedures, Alpha Platforms flaggers followed the emergency procedures to lower the lift manually and safely lower the crew and the 900-lb glass unit to the ground.



THE RESULT

Following the incident and discovery of undeclared information, Alpha Platforms dispatched a larger lift, its **A-175**, a 175-foot lift with a heavy cage capacity of 1,540 lbs. Despite the emergency, Alpha team completed the job safely and on time.

Thanks to the robust and smart German aerial lift, we were able to avoid a potential disaster.

As a result, the client avoided an expensive and reputation-crushing incident that could have led to injuries from falling glass and falling workers. In addition, they saved money as the alternative options, such as scaffolding or a crane, would have doubled or tripled their cost.

Our precise German-made lifts have become the height access method of choice for those who try them, as they combine unmatched productivity, safety, and reach.

Our all-inclusive service significantly reduces the amount of effort and costs to our clients, helping them reach their objectives of major savings and project acceleration.



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