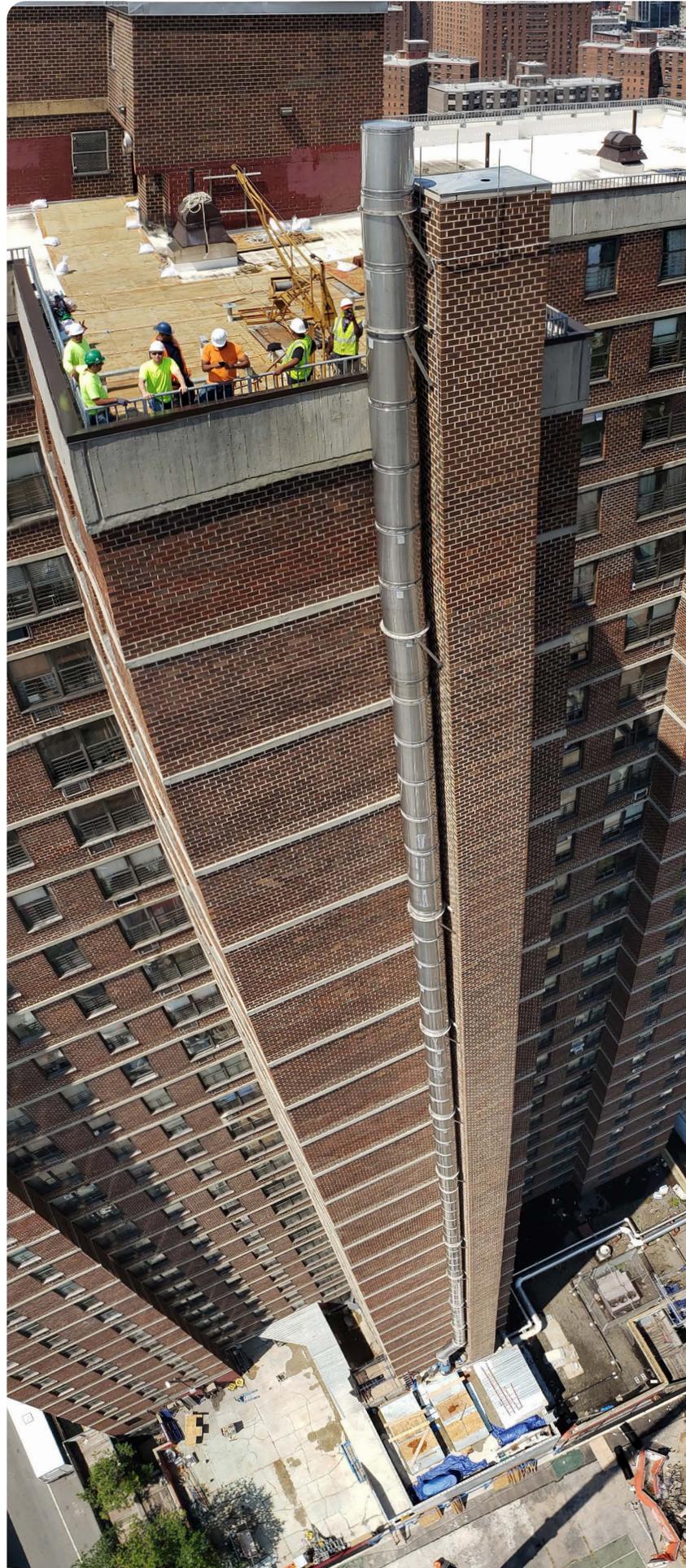




WE LIFT YOU ABOVE ALL

HOW A CONSTRUCTION CREW SAVED TIME AND MONEY BY INSTALLING A 260-FT SMOKESTACK WITHOUT A CRANE

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The New York City Housing Authority operates many high-rise buildings in the city. They were tasked with installing a smokestack on the roof of a small service building climbing up to the roof of an adjacent 26-story apartment building.

THE CHALLENGE

The smokestack needed to be placed on the side of the building with a complex façade profile where suspended scaffolds did not provide proper access – from any side – to complete the job efficiently.



The building was squeezed between one of the busiest roads in the nation, Franklin D. Roosevelt East River Drive (FDR Drive) and a bustling school construction site surrounded by other tall apartment buildings with little space for sprawling equipment like cranes.

None of the self-propelled lifts could reach the necessary spots because of building height and required side reach.

Bolting pipe scaffolding onto the side of a 254-ft building would take weeks and would be cost-prohibitive. Another challenge was that the smokestack had to be built on the attached building's roof, blocking direct access to the wall and requiring up-and-over access to the construction site.

The budget-sensitive Housing Authority sought a safe and cost-effective solution.



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THE SOLUTION

The construction project manager engaged Alpha Platforms' aerial boom lift for its extreme height and side reach. Also, Alpha's full-time lift operator freed the construction team from having to manage the boom lift. All-inclusive lift rental service allowed the client to focus solely on smokestack construction and not worry about the risks of operating a 300-ft boom lift right next to FDR drive.

Alpha Platforms deployed its **A-300**, the largest aerial lift on the market, a 300-ft engineering marvel capable of reaching 300 ft high, 100 ft side reach, and up-and-over obstacles of up to 200 ft.

THE OUTCOME

Over a single week, the construction crew assembled the smokestack section by section. Workers also attached it to the wall, comfortably operating from the large 12-ft-wide man basket, allowing them to lift every section of the smokestack inside the basket without needing a crane.



The work moved quickly with a team of two workers in the basket and several supporting personnel on the ground and roof. The project was completed on time and on budget without incident.

Our precise German-made lifts and an all-inclusive operated rental service are the height access method of choice for hard-to-access structures or at extreme heights, as they combine unmatched productivity with safety and comfort.



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