ALPHA PLATFORMS

WE LIFT YOU ABOVE ALL

HOW DO YOU BOLT A 6-FT ANTENNA TO A 258-FT-HIGH SMOKESTACK CATWALK IN WINDY CONDITIONS WITH A CREW OF TWO?

www.alphaplatforms.com

Our recurring client presented one of the most challenging extreme heights jobs. New York City was installing 13 EMT antennas around Manhattan and other boroughs to ensure fully redundant overlapping coverage of local emergency services bandwidth to remain operational even if some towers went down.

One of the antennas was being installed on the power plant smokestacks in Queens. Earlier, the client hired Alpha Platforms' 250-ft boom lift to run up all cables and set up connections on one of the smokestacks. With connections ready, the EMT antenna installation was scheduled.

THE CHALLENGE

The power plant facing the East River is surrounded by open fields, making it one of the windiest areas around. The client needed a height access solution that provided a smooth and steady work platform at between 258 and 300 ft in height, despite persistent gusty winds of 25+ mph.

Using ropes or cranes to lift fragile and expensive antennas at this height would pose a significant risk of damaging the antenna or smokestacks in windy conditions.

The antenna was being installed on a part of the smokestack that was outside of the plant perimeter. In a previous case study, we demonstrated **how our 250-ft boom lift squeezed into the plant's tiny parking spot between the pipes and utilities**.

This time, we had to park on the access road outside the plant and extend the boom with some side reach to the smokestack catwalk at almost 260 ft.

THE SOLUTION

For this project, this repeat client rented our tallest lift: the **A-300**, a 300-ft lift with 106-ft side reach, capable of lifting up to 1,322 lbs.

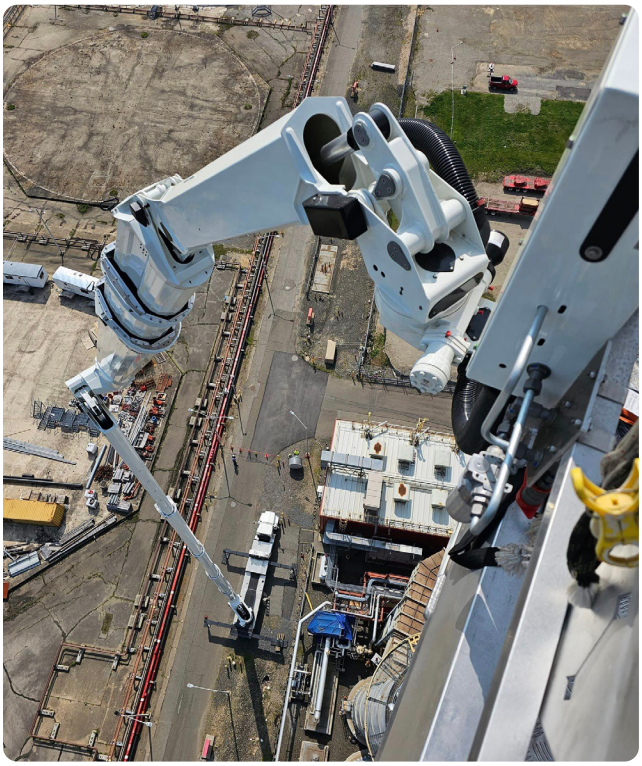
On the first day, one contractor installed antenna brackets and mounts under the catwalk at 258 ft. **All parts and technicians comfortably fit into our extra-large 12-ft basket**. Our aerial platform is extremely steady and enables close access to the job site, effectively removing the inconvenience and reducing risks associated with tasks that are standard on the ground but become really challenging at heights. Fortunately, this engineering marvel's seamless and sturdy basket nearly replicates the feeling of working from the ground!

On day two, the telecom contractor hoisted the 100-lb., 6-ft antenna in our cage using the Cage Power Lift™ attachment. They quickly and steadily lifted it along with one technician in the cage and one on the catwalk to bolt it to the mount. Our hoists support antennas up to 300 lbs each and lift up to 500 lbs using the Power Lift™. All **cage attachments are free** when renting our lifts.

THE OUTCOME

The antennas were set up, connected, and made operational in less than two full days.

The client reduced equipment and personnel costs by renting only one boom lift and employing just two technicians on this project.



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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To try the same world-class service and equipment, just call or email:

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