



CHPP-Composite Helical Pipe Pile *Elevated Platform*

A 350 ft. Self Supporting Tower (SST) in Gramacey, LA survived hurricane Katrina but the telecom equipment was damaged when submerged by the floodwaters. A platform was built to elevate the equipment.

The platform was to be constructed within the tower and the constraint was access to the site due to existing structures. A 30 KIP ultimate load was required per pile.

The Composite Helical Pipe Pile was selected as the best choice for this project since the installing equipment could maneuver easily with the existing structures. Utilizing the friction load capacity of the CHPP reduced the number of piles that were required making the installation very cost effective.

A total of 6 helical piles were installed to a depth of 40 feet with an ultimate torques of 14,000 ft-lbs. The piles were filled with concrete for additional strength.



Lightweight and maneuverable equipment was used to install the helical piles

