MALONGO IT TOWER REMOVAL

Conbit was contacted by Chevron Angola to create access and remove the corroded section of an IT tower in Malongo, Angola. The top of the tower was severely degraded and no longer safely accessible. The tower stood over 40 meters in height, and the entire section above 30 meters, measuring 16 meters in the end, needed to be removed. Conbit engineered a safe access solution to remove the affected part of the tower.

Testing the access tower at the Conbit yard

PROJECT

- ✗ ENGINEERING
- ✗ PROCUREMENT
- ✓ CONSTRUCTION

Client
Chevron

Project Number
31451

Project Name
Malongo IT Tower Removal

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MALONGO IT TOWER REMOVAL

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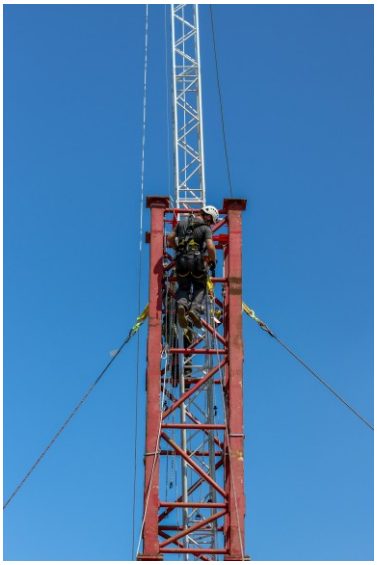
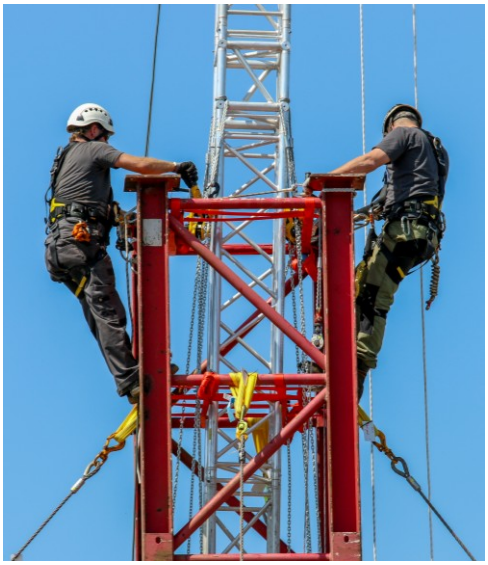
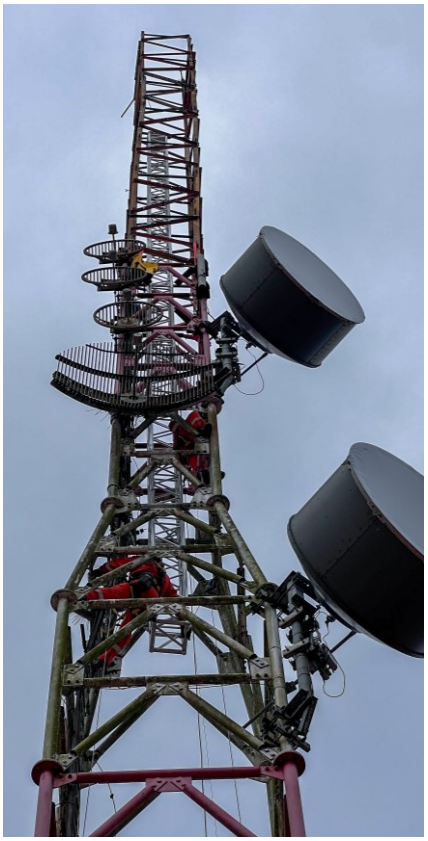
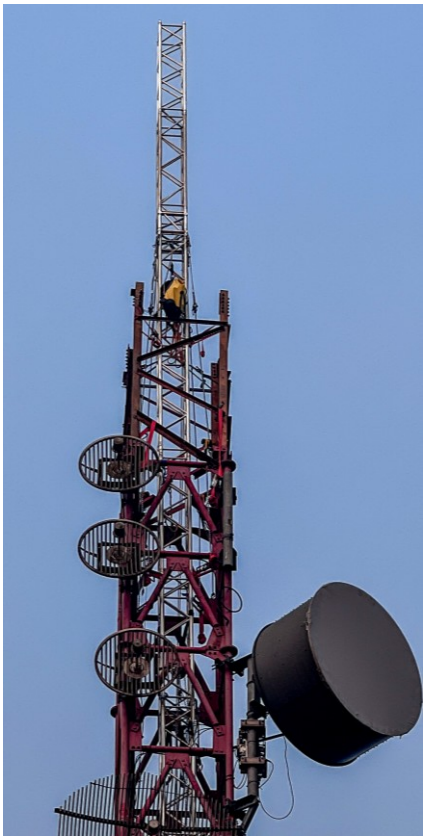




Carrying out structural tests on the access tower at the Conbit premises.





Access tower in place to remove top of the IT tower

METHOD

To ensure technicians could safely access the corroded section, Conbit provided an access tower designed to offer secure connection points for rope access work in the upper part of the IT Tower. A maximum of 2 people could work above 30m on the access tower. It consisted of several aluminum L-struct (lattice sections) connected to each other and braced to the strong points of the bottom part of the tower by rigging equipment such as chain hoist, slings and Tirfor.

The removal of the top part was done by grinding and cutting using angle grinders, and saber saws. The removed parts were then lowered to the ground by ropes and rope access equipment.

CHALLENGES

The biggest challenge was finding a way to access the top part of the tower with the limited space available. The area to access the top part was 1.2m by 1.2m. With the access tower installed, there was just enough space for the rope access technicians to climb up and work.

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