

General Wind Turbine Components

Rotor Assembly

The rotor consists of three blades mounted on the hub. The hub connects to the drive shaft at the front of the nacelle.

Nacelle

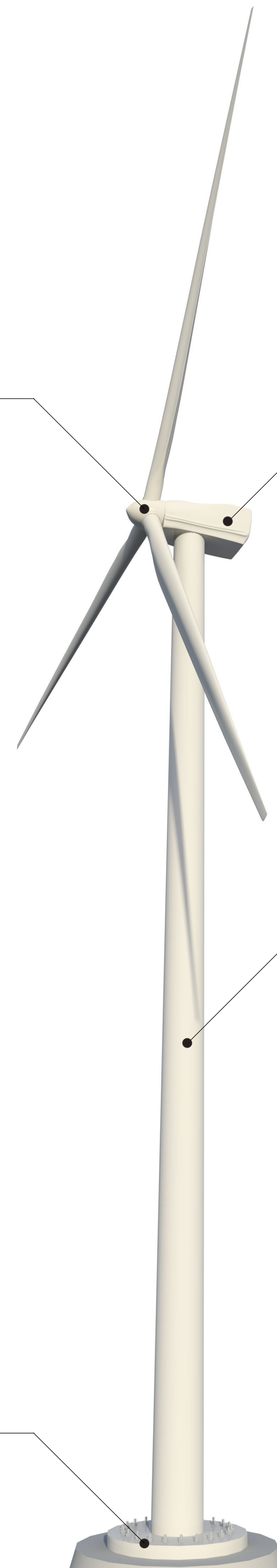
The nacelle is an enclosure that houses all of the generating components in a wind turbine, including the generator, gearbox, drive train, and brake assembly.

Tower

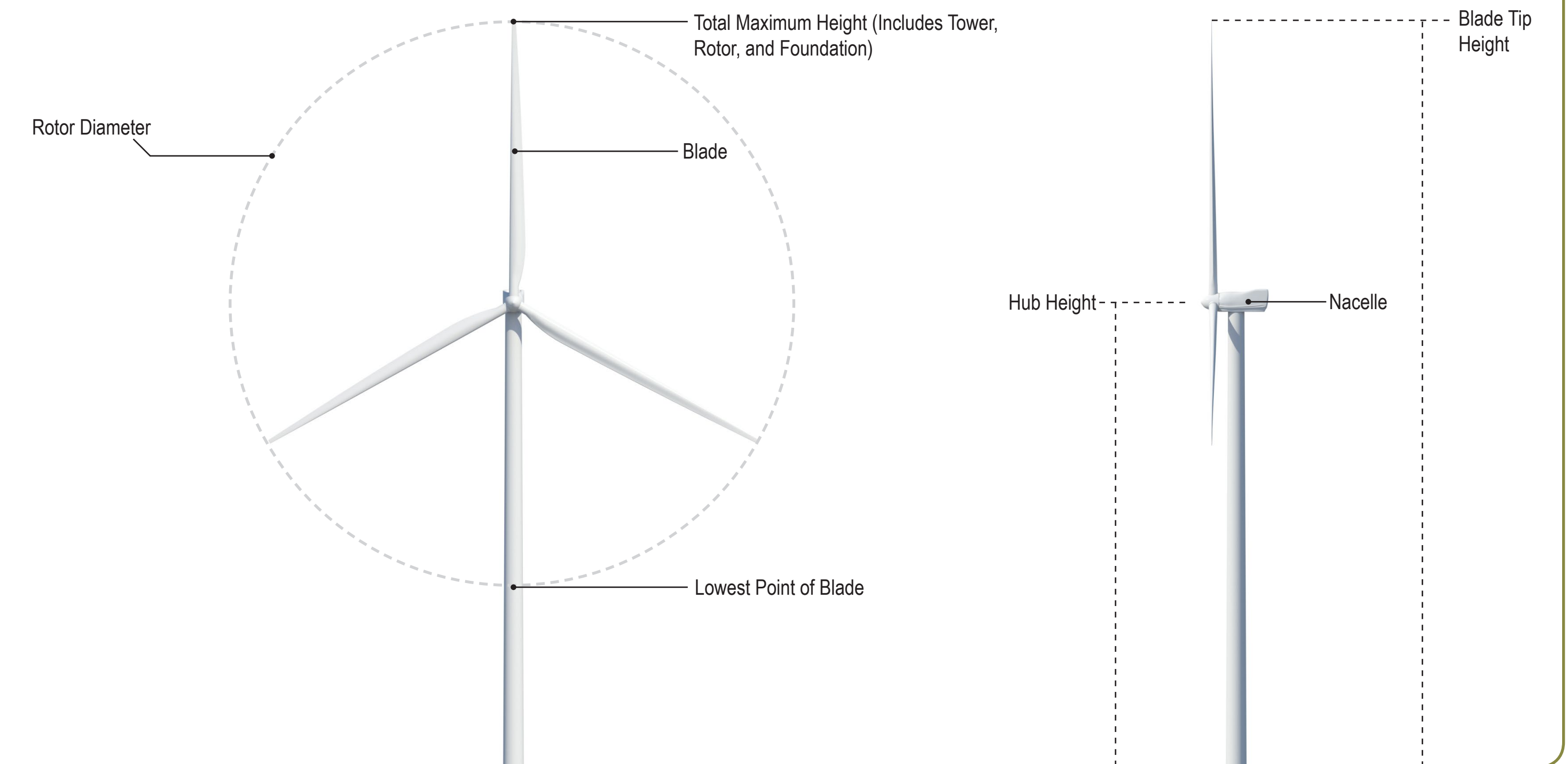
The tower is a multi-section, tapered tubular steel structure that supports the nacelle and rotor assembly. It also serves as a conduit for cables and maintenance access.

Foundation

The foundation is formed below ground level and is made up of concrete, reinforcing steel, and an anchor bolt cage. A steel flange at the base of the tower bolts to the anchor bolt cage that extends above the exposed portion of the foundation.



Wind Turbine Measurements



Wind Turbine Foundation Detail

