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Electric vertical takeoff and landing (eVTOL) aircraft have been a topic of much interest and investment in recent years. These aircraft promise to revolutionize urban air mobility by providing a fast, efficient, and environmentally friendly way to travel short distances within cities. In this article, we will take a closer look at how eVTOL aircraft work and what makes them unique.

First, it is important to understand that eVTOL aircraft are a type of electric aircraft that use electric motors to power rotors or propellers. These aircraft have no traditional combustion engines or jet turbines, and they rely solely on batteries for power. This makes them much quieter and more environmentally friendly than traditional aircraft. The design of eVTOL aircraft is also unique. They typically have multiple rotors or propellers that allow for vertical takeoff and landing, as well as forward flight. This means that eVTOL aircraft can take off and land in much smaller spaces than traditional aircraft, making them ideal for urban environments.

There are two main types of eVTOL aircraft: multicopters and tiltrotors. Multicopters have multiple rotors that are fixed in place and can rotate independently to control the aircraft's movement. Tiltrotors, on the other hand, have rotors that can tilt to provide both vertical and forward thrust.



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