Part 1: Rotary Wing Aircraft Configurations.
(images courtesy of John Blackler).

1. Unpowered rotor. Autogyro. Rotor is kept in windmilling state by the forward motion of the vehicle in order to maintain RPM.

2. Jet powered rotor. No fuselage torque reaction. Can be powered by in dependent gas jets or jets located in the rotor tip.


5. Side-by-side or tandem mechanically driven rotors. Single or twin engine. Conterc rotating for torque reaction.

6. Mechanically driven, inter-meshing, counter-rotating rotors. More than 2 rotors have been tried but this is really complex mechanically.