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unit will provide a plane captain or crew chief to act as a brake rider and/or unit safety observer. Based upon the air plan and flight schedule, the ship will man its flight quarters stations in time to meet the first scheduled launch. Each ship and embarked unit should establish the JP 3-04, Joint Shipboard Helicopter and Tiltrotor Aircraft ... The idea of constructing Vertical Take-Off and Landing (VTOL) aircraft using helicopter-like rotors at the wingtips originated in the 1930s. The first design resembling modern tiltrotors was patented by George Lehberger in May 1930, but he did not further develop the concept. Tiltrotor - Wikipedia The Helicopter The helicopter is an aircraft that uses rotating wings to provide lift,

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propulsion, and control. Figure 1.1 shows the principal helicopter configurations. The rotor blades rotate about a vertical axis, describing a disk in a horizontal or nearly horizontal plane. Introduction (Chapter 1) - Rotorcraft

Aeromechanics The

AgustaWestland AW609, formerly the Bell/Agusta BA609, is a twin-engine tiltrotor VTOL aircraft with a configuration similar to that of the Bell Boeing V-22 Osprey. It is capable of landing vertically like a helicopter while having a range and speed in excess of conventional rotorcraft. The AW609 is aimed at the civil aviation market, in particular VIP customers and offshore oil and gas operators. AgustaWestland AW609 - Wikipedia Introduction to the flight

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