

Omen Drone

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Omen Drone Latest News

America's Anduril and the UAE's state-owned defence conglomerate, EDGE Group, will jointly develop the Omen drone at a new, 50,000 square feet (4,645 square metres) research centre in Abu Dhabi.

About Omen Drone

- It is a new **tail-sitting vertical takeoff and landing drone** with a **hybrid-electric propulsion system**.
- It will be **developed by America's Anduril** and the **UAE's state-owned defence conglomerate, EDGE Group**.
- It is intended to be **modular** and adaptable to a wide array of military and non-military missions.
- The Omen drone is **designed to complement larger systems in tactical roles** such as **maritime surveillance, critical infrastructure protection**, and persistent ISR coverage over choke points and coastal areas.

Omen Drone Features

- Omen is a **twin-rotor aircraft** that **takes off from and lands in a tail-sitting position**, where it stands about 10 feet tall.
- It features relatively **long and slender main wings**, mounted toward the rear of the fuselage, together with canard foreplanes on either side of the nose.
- It also has a twin-boom tail configuration extending from the rear of the nacelles on each wing.
- It is **compact, foldable, and transportable by a two-person** team without heavy infrastructure, allowing deployment from rough terrain or forward sites.
- It is designed to **switch between two flight modes**: it can **take off, hover, and land vertically like a drone** or helicopter but can **also transition to airplane-style flight** for longer and faster missions.
- Its open architecture supports modular payloads like electro-optical or infrared sensors and communication relays.

Source: TH

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