

Unique Advantages of Boeing's Unmanned Rotorcraft



As unmanned aerial systems have entered the Public Safety realm, most of the focus to date has been around small, low-cost systems. Major disasters and emergencies in recent years have demonstrated the limitations of these devices, and have shown them to be inadequate. It seems the rise of the large unmanned aircraft systems has arrived.

The Boeing S-100 Camcopter UAV recently exposed is uniquely equipped to locate missing persons in inclement weather, to enable resupply efforts during natural disasters & search and rescue operations, to provide long endurance overwatch during critical events, and to perform large area surveys in hard to reach locations.

Boeing can utilize the S-100 unmanned system when the weather poses a risk to manned aviation members, according to expouav.com.

The Camcopter variant, produced in partnership with Schiebel Industries, is a highly expeditionary Group 3 vertical take-off and landing unmanned aerial system. A rotorcraft UAV that can launch in 15 minutes even in the most rugged environments – it can help solve some of the most difficult challenges, according to the Boeing's website. The UAV is capable for a range of missions, including: Tactical ISR, ground forces support, cargo/re-supply, maritime surveillance, and communication relay.

Among its features: Autonomous navigation via pre-programmed GPS waypoints or can be operated directly with a pilot control unit. It provides maximum operational flexibility in both day and night land and maritime environments. The UAV has a broad range of concurrent sensor capabilities and it can simultaneously carry a wide variety of payloads. High-definition payload imagery is transmitted to the control station in real time.

Icarus Aerospace, a Public Safety UAV firm, joined forces with Boeing in the project. The company has been able to create an especially relevant UAV Public Safety-centric course focused on operator integration and knowledge. The company's unique comprehension of public safety operational knowhow with aeronautical engineering understanding is what caught the attention of the Boeing executives who were looking for a partner in the public safety arena.