

Proxy Aviation Systems Unveils SkyWatcher

June 28 2005

Proxy Aviation Systems recently unveiled SkyWatcher, a long endurance, low and medium altitude, multi-payload unmanned aircraft system at the Association for Unmanned Vehicle Systems International's (AUVSI) demonstration of unmanned aerial vehicles at the Webster Field Annex of the Naval Air Station at Patuxent River, Maryland.

The company will also be exhibiting at booth #537 at the AUVSI Unmanned Systems Show at the Baltimore Convention Center in Baltimore, Maryland June 28-30.

Proxy Aviation's SkyWatcher is a fully-autonomous, optionally-piloted UAS designed for long endurance, low and medium altitude, multi-payload intelligence, surveillance and reconnaissance (ISR) missions.

With advanced capabilities such as single point management of up to 12 vehicles, network centric cooperative flight in constellation formation and end-user tasking to meet required mission applications, SkyWatcher executes critical missions using fewer resources and personnel than established systems.

The system's high level of reliability, persistence and survivability enable the system to execute high-end tactical and low-end strategic missions.

The SkyWatcher system consists of four main components: highly autonomous air vehicles; a primary mission-management ground control station; mobile ground control user terminals; and a variety of quick change payloads.

This enables the operators to quickly task the system to attain vital, real-time information and immediately react to any situation.

The system is designed to execute a wide range of applications such as intelligence, surveillance, and reconnaissance (ISR), battle damage assessment (BDA), urban warfare, communications data relay and other missions.

Proxy Aviation is led by a team of executives with more than 100 years combined experience in the fields of aircraft and unmanned aerial vehicle (UAV) development, manufacturing, systems integration and combat operation and supported by a board of advisors comprised of retired flag officers from the U.S. Air Force, U.S. Army and U.S. Navy.

The company's mission is to fill a gap in unmanned aviation capability by providing a system that successfully executes both low-end strategic and high-end tactical surveillance missions, requiring fewer personnel and resources than established systems.

All Proxy Aviation demonstrations are in accordance with U.S. export control laws.

Copyright 2005 by Space Daily, Distributed by United Press International

Citation: Proxy Aviation Systems Unveils SkyWatcher (2005, June 28) retrieved 27 April 2024 from <https://phys.org/news/2005-06-proxy-aviation-unveils-skywatcher.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.