

[HOME](#) | [MILITARY](#)

Boeing Australia completes first 'Loyal Wingman' fuselage

Aircraft prototype is designed to use artificial intelligence in teaming with other manned and unmanned platforms.

Feb 10th, 2020



BRISBANE, Australia - Boeing Australia recently completed major fuselage structural assembly for the first Loyal Wingman. The aircraft is one of three prototypes that will be developed as a part of the [Loyal Wingman](#) – Advanced Development Program in partnership with the Royal Australian Air Force (RAAF).

The Australian team has applied digital engineering and advanced composite materials to achieve cost and agility goals for the 38-foot (11.7-meter) aircraft, which

Boeing says that Australian industry participation had been critical to the program’s rapid development, with a 16-strong Australian industry team making key deliveries to date including:

- BAE Systems Australia, who have delivered hardware kits including flight control computers and navigation equipment;
- RUAG Australia, who have delivered the landing gear system
- Ferra Engineering, who have delivered precision machine components and sub-assemblies to support the program; and
- AME Systems, who have delivered wiring looms to support the vehicle.

This first **Loyal Wingman** prototype will provide key lessons toward production of the ATS, which Boeing Australia is developing for the global defense market. Customers will be able to tailor ATS sensors and systems based on their own defense and industrial objectives.

The next major milestone will be weight on wheels, when the fuselage structure moves from the assembly jig to the aircraft’s own landing gear to continue systems installation and functional testing. The aircraft is expected to complete its first flight this year.

RELATED

Home

Boeing

Jan 30th, 2020



LATEST IN MILITARY

SATCOM

First U.S. Space Force GPS III launch set for April

Feb 10th, 2020



Military

Rugged mission computing systems introduced by Elma

Feb 10th, 2020





Airbus Helicopters continues the militarization of the H160

Feb 7th, 2020



Military

The Pentagon's weapons tester has concerns about the F-35's new software development process

Feb 7th, 2020



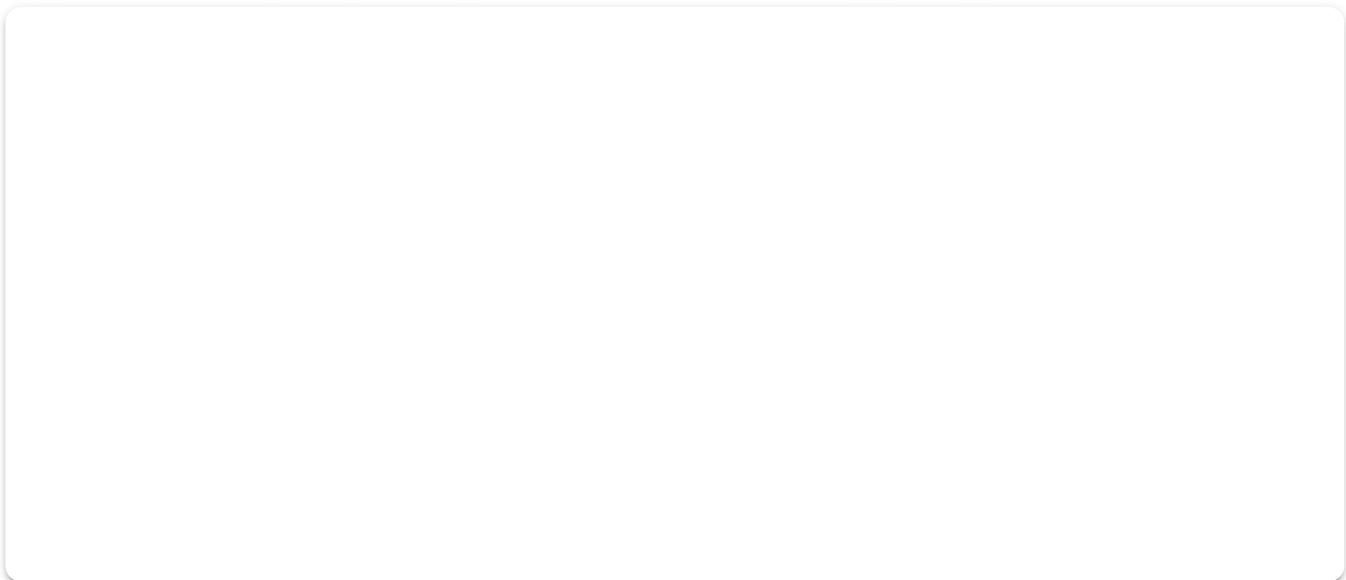
Military

U.S. Coast Guard gets first block 8.1 HC-130J upgrade

Feb 6th, 2020



MORE IN MILITARY



Sponsored

Pentek Introduces 8-CH A/D & D/A SOSA Aligned 3U VPX Board

The Quartz™ Model 5550 is an 8-ch A/D and D/A converter 3U OpenVPX board based on the Xilinx Zynq® UltraScale+ RFSoc FPGA and aligned to the SOSA™ technical standard. The Model 5550 is ideal for communications, radar and signals intelligence applications.

Jan 16th, 2020

