

RUAG Australia specialises in the design, engineering, manufacture, assembly, and maintenance, repair and overhaul (MRO) of components and subsystems, for all precision levels down to sub-micro tolerances. This includes hydraulic, electrohydraulic, structural and mechanical, actuation systems, oil/fuel, wheels and brakes, pumps, valves, oxygen components, fixtures and ground support equipment. RUAG Australia has a number of specialist areas including flight controls, undercarriage, environmental control systems and engine accessories.

RUAG Australia's core capabilities include:

- precision manufacturing and assembly of complex aerospace, defence and biomedical components to tolerances down to 0.000005 inches;
- strip down, assessment, overhaul, repair, reassembly and test – MRO;
- engineering design, development, implementation and certification for component repair;
- managing MRO services for a wide range of aircraft systems;
- highest quality, aerospace grade surface treatment and finishing; and
- research, development and commercialisation of advanced solutions.

F-35 Program industry participation

RUAG Australia has been involved in the F-35 Program since the System Development and Demonstration phase in 2004. RUAG became involved in the F-35 Program through the manufacture of 30 components for the uplock actuator system for the bay door drive system in partnership with Goodrich Sydney.

Over the next eight years, work continued to progress with key events including:

- 2004 – Uplock manufacture and assembly program for the F-35 began with four uplock actuator assemblies for the weapons bay door for AF-1 for the F-35A Conventional Take-Off and Landing variant.
- 2008 – Landing gear manufacture and assembly program began with four actuator types for CF-1 for the F-35C Carrier variant.
- 2009 – Landing gear manufacture and assembly program continued with four new actuator types for the F-35A and F-35B Short Take-Off and Vertical Landing variants.
- 2011 – Long-term agreement signed for sole source of the F-35B and F-35C retract and downlocks actuators and 50 per cent of the global share of F-35A retract actuators.

RUAG Australia had a successful 2016, continuing to secure F-35 manufacturing contracts and participating in Australia's assignments of work for the sustainment phase of the F-35 Program. RUAG Australia was approved as a special processing source for vertical tail components being produced for BAE Systems Australia in support of Marand, further strengthening the Australian industry's capability to continue to support F-35 production. Later in the year, RUAG Australia secured the manufacture of landing gear actuators for United Technologies Corporation in the United States after being chosen by National Machine Group to manufacture F-35 components to 2020.

Transforming Australian industry

In January 2012, RUAG and BAE Systems Australia agreed to establish a specialised automated metal finishing facility in Wingfield, South Australia, to complement BAE Systems Australia's efforts to manufacture components for the F-35. This was a continuation of a successful expansion program and part of a global strategy for the Swiss technology group.

On 7 February 2014, RUAG Australia opened the Wingfield processing facility to treat and finish F-35 vertical tail components manufactured by Marand for the global F-35 Program. These components require specialised capabilities and can only be processed in-country at this facility.

Next steps

"We are keen to retain our position as a gold status and sole source supplier, manufacturer and MRO provider for F-35 components," confirms Stephan Jezler, Senior Vice President Aviation International, RUAG MRO International. "The unique capabilities at the RUAG Australia Hydraulic Centre of Excellence prove a significant contribution and ensure our production solutions continue to meet the demands of the F-35 program well into the future," asserts Stephan Jezler. "We are very proud to have achieved this success in this international market."

Related links [Visit RUAG Australia's website \(http://www.ruag.com.au\)](http://www.ruag.com.au)
