



AIRCRAFT | DEFENSE | RUAG AUSTRALIA AWARDED AUSTRALIA DEFENCE INDUSTRY SERVICE COMMENDATION FOR CONTRIBUTIONS IN SUPERSONIC PARTICLE DEPOSITION

RUAG Australia Awarded Australia Defence Industry Service Commendation for Contributions in Supersonic Particle Deposition

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Emmen, Switzerland, and Bayswater, Australia, 14 May 2019. RUAG Australia's Senior Manager Additive Technologies and Engineering Services, Neil Matthews, is announced as one of only seven recipients of The Defence Industry Service Commendation. The Commendation recognizes outstanding achievement and dedication in the application of skills, judgment and innovation on behalf of Australia's defence industry and to the specific benefit of Australia's defence capability. Neil Matthews, an internationally recognized authority on Additive Metal Technologies (AMT), in particular, Supersonic Particle Deposition (SPD) and Laser Additive Deposition (LAD), received this Commendation for his research in the use of AMT and its application on Australian Defence Force (ADF) aircraft.

Awarded by the Australian Ministry of Defence Industry, The Defence Industry Service Commendation specifically cites the following: "In your role as Senior Manager, Advanced Technology and Engineering Solutions at RUAG Australia Pty Ltd., and, as a pioneer in the use of Additive Metal Technologies, you helped protect aerospace components from corrosion and wear. Your research resulted in significant cost savings to Defence and improved aircraft availability. You contributed to achieving outstanding outcomes for the ADF."

In fact, Neil Matthews' work at RUAG Australia has revealed that additive metal repair technologies are critical to sustainability in the repairs of current and future aircraft platforms, and particularly for those platforms regularly operating under demanding conditions. "Restoring full structural functionality, reliably and repeatedly, is our objective," asserts Neil Matthews. "SPD and LAD are continuing to meet these criteria. They are also highlighting their potential to significantly reduce the time and costs associated with traditional repair approaches," he adds.

“Leading the way in this technology, and making it successful and accessible on behalf of our Defence Industry customers, is a mission Neil Matthews and RUAG have followed consistently and continue to share,” states Terry Miles, General Manager, RUAG Australia. “We are pleased to have Neil Matthews’ work recognized for the valuable contribution it represents.”

RUAG Australia works closely with the Capability Acquisition and Sustainment Group on additive material technologies. RUAG Australia is a major industry research center for the development and application of Additive Metal Technologies focusing on both Supersonic Particle Deposition (SPD), sometimes referred to as Cold Spray, and Laser Additive Deposition (LAD) for defense applications. These technologies offer a number of exciting and cost-effective outcomes, particularly in the areas of geometry restoration and corrosion protection. In addition, these technologies enable the restoration of corroded / damaged metallic components / structures to an acceptable level of structural integrity and functionality. RUAG Australia maintains and operates a fixed and mobile SPD capability as well as a fixed LAD capability. RUAG Australia is a DASA 145, EASA Part 145, CASA 145 approved organization.

RUAG MRO International is an independent supplier, support provider and integrator of systems and components for civil and military aviation worldwide. It also develops and supports simulation and training systems and solutions for international trained security forces.

Highly specialized in the support of aircraft and helicopters throughout their entire life cycle, the company includes maintenance, repair and overhaul services, upgrades, and the development, manufacture and integration of subsystems and components in their service portfolio.

In addition, as the manufacturer (OEM) of the Dornier 228, a versatile aircraft for special missions as well as passenger and cargo operations, RUAG focuses on customer support solutions, including OEM services.

Moreover, RUAG MRO International is a developer, OEM and system support provider for simulation and training systems technology for live, virtual and constructive (LVC) training. Complex and flexible functions, and a holistic approach, support realistic training scenarios, adapted to mission goals, at individual, team and unit instruction levels.

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