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## **28/11/2016 RUAG AUSTRALIA WINS CAPABILITY TECH DEMONSTRATOR GRANT FOR LASER REPAIR**



RUAG Australia's submission for Laser Cladding Repair Technology was successful in being selected for further development under Round 20 of the Capability and Technology Demonstrator (CTD) Program in Australia. Round 20 was highly competitive, with seven CTD proposals being

selected from a total field of over 130 proposals. The RUAG Australia proposal focused on reducing the cost of ownership for aircraft component maintenance and improving aircraft availability by utilizing innovative repair technologies. RUAG Australia thanks the Commonwealth of Australia, in particular the Defense Science and Technology Group and the Defense Materials Technology Centre, for their support and assistance in the development in this rapid repair technology. RUAG Australia looks forward to making a valuable contribution to Australia's Defense capability, innovation and technical knowledge through this technology.

Laser Cladding is an innovative processing technique used for repairing metal structures. A stream of powder is fed into a focused laser beam as it is scanned across the target surface, leaving behind a deposited coating of the feed stock material that is fused to the substrate. The required geometry is built up layer by layer. This technology yields high quality depositions with high bond strength. Application of this technology has been proven to be effective at restoring damaged components and structures and has been utilized by RUAG Australia on several platforms, including the landing gear of the F/A-18.

The Research and Technology department is located at the RUAG Australia site in Bayswater, Victoria. RUAG Australia has long maintained a commitment to the development and implementation of advanced additive repair technologies. RUAG Australia is dedicated to providing sustainable and cost efficient solutions for their customers through innovation.

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