



JOINT STRIKE FIGHTER

The Defence Materials Technology Centre (DMTC) is seeking expressions of interest from industry and research organisations to develop and enhance Australian industry capabilities in support of the Joint Strike Fighter (JSF) Program.

With more than three thousand F-35 JSF aircraft planned for production globally over the next 25 years, there are many opportunities for competitive Australian companies in production of new aircraft and regional sustainment of the in-service fleets.

DMTC is working with the Australian Department of Defence’s JSF Division and Defence Science and Technology Group to identify improvement and innovation opportunities for development, through DMTC. This collaborative approach will assist Australian companies to contribute to a strong industry base that supports the JSF capability and provides long-term national economic benefits.

DMTC’s program can also assist Australian companies that have already won JSF production contracts to continue to innovate and maintain a competitive position within the global supply chain. The program will identify opportunities to develop sustainment and follow-on modification and upgrade capabilities to support the JSF platform in-service. Longer-term platform capability upgrade opportunities will also be considered based on Defence priorities.

Technology areas being considered include (but are not limited to) those in the table below.

	PRODUCTION	SUSTAINMENT	CAPABILITY UPGRADE
Global Supply Chain Opportunities	CNC machining Composites manufacturing Additive manufacturing Processing and metal finishing	Health monitoring Prognostics	Power; size and weight Canopy frame replacement
Local Opportunities		Corrosion/degradation Coating repair and assessment Composite repair New sustainment technologies (additive manufacturing etc.)	
		Test and evaluation methodologies	
		Sensors	

Next steps

DMTC is seeking expressions of interest from industry and research organisations that align with the technology areas listed in the table on the reverse. DMTC encourages collaborative responses from industry and research organisations.

DMTC will conduct a project solicitation process that involves:

- expressions of interest through a quad chart (template and instructions to be provided)
- feedback and call for short form proposals
- feedback and request for detailed project proposals.

The program structure, incorporating project plans and agreements with participants, will then be finalised so that research and capability development activities can commence. DMTC will actively manage and guide the activities over the life of the program.

Why DMTC?

DMTC offers a proven track record of performance, effective relationships with Defence and with many SMEs and primes in the sector, and an operating model that works for Defence, including intellectual property structure and program management capability.

DMTC is a public, not-for-profit company limited by guarantee. The funding to develop new materials and manufacturing technologies is drawn from several sources including the Commonwealth Government, State Governments and program participants (industry and the research sector).



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