

# Army Innovation Day 2024

## What is Army Innovation Day?

Army Innovation Day (AID) is a strategic collaboration between the Advanced Strategic Capabilities Accelerator (ASCA) and the Australian Army.

Each year AID has a new theme that helps Defence explore how disruptive technologies can solve some of the most complex challenges, bolster the project pipeline and give Australian Army soldiers exposure to the latest innovative concepts and ways of thinking.

The Australian Army is currently accepting submissions demonstrating innovative capabilities to enhance the endurance, lethality and survivability of soldiers operating in distributed littoral environments.

## Who can apply?

Industry and academia with an Australian Business Number are encouraged to apply. Tenderers to this CFS must lodge one submission per solution. A solution may address one or multiple themes. Tenderers may submit multiple submissions for different solutions.

## How do I make a submission?

Full tender requirements and submissions can be accessed via AusTender. Submissions open 15 May 2024 and close on 13 June 2024.

## Event details

Successful submissions will be invited to attend AID 24 at Land Forces International Land Defence Exposition at the Melbourne Convention Centre and Exhibition Centre. Defence industry and academia will pitch innovative solutions across 11 – 12 September 2024.



# The Challenge

Army must enhance the endurance, lethality, and survivability of soldiers in response to the challenges of future operations in increasingly complex, distributed, regional and littoral environments. How can Army equip, train, deploy and sustain an Army of the future that is able to operate in austerity, at scale and in a technologically enhanced ways applicable to the littoral challenges prevalent in our region?

## Theme 1 - Enhanced Operational Endurance

Army seeks innovations, complimentary to and compatible with the Soldier Combat System, to enhance operational endurance and performance for the individual soldier within a section, platoon or combat team, emphasising:

- Individual (soldier portable), section, platoon and/or combat team-level power and data management solutions.
- Individual equipment and technologies that reduce the probability of non-battle and / or environmental casualties.
- Equipment and technologies which provide soldiers and commanders with data to monitor the readiness, fitness and wellbeing of soldiers and teams to inform decisions during the training for and conduct of live operations.

## Theme 2 - Enhanced Tactical Lethality

Army seeks soldier-portable cross-domain-capable kinetic effectors, with capacity to disrupt and deny adversary freedom of movement in the littoral environment, emphasising:

- Land domain lethality overmatch imposing cost to adversary equipment, locations, and personnel with ranges from 2km to 40 km.
- Low cost, scalable, optically guided, physically controlled, and sacrificial systems with capacity to integrate and deliver current and future in-service organic-to-battle group (infantry battalion) high explosive ordnance.
- Characteristics and capacity for application, by day and night, in adverse weather conditions and across a contested electronic battlespace.

## Theme 3 - Enhanced Tactical Survivability

Army seeks innovations to enhance the survivability of soldiers, emphasising:

- Individual signature management solutions for the visible and near-infrared spectrums capable of being fielded (worn) by a soldier and / or adapted to conceal mission essential equipment and weapons in the littoral environment.
- Individual signature management solutions for the infrared (thermal) spectrum capable of being fielded (worn) by a soldier and / or adapted to conceal mission essential equipment and weapons in the littoral environment.