

Company Profile

ACDC is leading the way in nano-technology through our core initiative, the Nanobat.

The Nanobat represents a breakthrough in battery technology and energy storage solutions, leveraging patent-pending methodologies to create advanced nanocomposites. We are currently positioned at Technology Readiness Level (TRL) 3, with the Nanobat being at the forefront of our research and development efforts aiming to advance to TRL 4 and beyond. With Flinders University we are researching material characterisation and building the 2nd improve version of Nanobat. Our recent participation in the Defence Trailblazer Bootcamp and ongoing discussions with entities like ODIS, DIP, and the University of Adelaide highlight our commitment to growth and collaboration.



Capabilities

Advanced Nanocomposite Production:

- Utilising proprietary fine grinding techniques for the creation of superior battery electrodes and composites.

Energy Storage Innovation:

- Specialising in semi-solid state NiFe cell technology for enhanced energy storage.

R&D Excellence:

- Strong focus on research and development to push the boundaries of material science and battery technology

Strategic Partnerships:

- Actively seeking and engaging with strategic partners to foster innovation and commercialisation paths.

Academic and Industry Collaboration:

- Leveraging academic prowess and industry connections to engage with development

Differentiators

Nanobat Innovation:

- Our semi-solid state NiFe cell design introduces a new era of energy storage, combining longevity with high energy density.

Defence Industry Engagement:

- Early engagement with defence and academic partners demonstrates our capability and commitment to contributing to national security and innovation ecosystems.

Customised Solutions:

- Ability to tailor energy storage solutions to meet specific partner or customer requirements, providing flexibility and value-add.

Current Status

Technology Development and Collaboration:

Advancing Nanobat to TRL 4, with ongoing efforts to secure partnerships and funding.

Technology Maturity: Nanobat is at TRL 3, with a clear strategy to advance to TRL 4 through targeted R&D initiatives.

Collaboration and Funding: Engaging with potential partners, customers, and investors to secure support and funding for next-stage developments

Key Partnerships





ACDC

THE FUTURE OF NANOTECH