





# Great things are built on small discoveries

The Institute for Nanoscale Science & Technology at Flinders University undertakes research to discover new scientific knowledge and seeks to apply this knowledge with our partners, to address real-world problems with research-driven solutions.

Our advances and discoveries have found their way into many industry sectors — from medical, to manufacturing, to construction materials, to solar energy, to analysis.



Find out more



#### Safeguarding the planet for future generations via sustainable methods.

Green chemistry, antifouling coatings, PFAS capture, sustainable mining and remediation, nano and microplastics analysis.

Protecting Australian people from threats at home and abroad.

Forensic drug chemistry, materials for IR imaging, 3D printed energetics, photochromic technology.

**SECURITY** 

### CORE

We develop and expand characterisation methods. advanced material fabrication, and synthesis techniques that enable our strategic research areas. We drive fundamental science and technologies for the advancement of knowledge.

#### Innovating energy storage and generation technology for a sustainable future.

Battery technology, conducting polymers, catalysts for hydrogen and fuel production, materials for concentrated solar thermal, triboelectric generators, flexible solar cells.



#### **Equipment &** Facilities

We're sharing our equipment, facilities and resources.

Enquire with us to access our expert staff and training or to book our cutting-edge equipment and facilities.

#### Collaborate with us

Could a researchdriven solution help to address an issue in your business?

Engage with us to confidentially brainstorm industry challenges and seek possible solutions.

## Higher Degree Research (Nano)

Our PhD and Masters projects will help you develop an understanding of cutting-edge science & technology.

Step into a research pathway with creativity, innovation and big ideas.

## BIO-NANO our understanding processes to enable healthy populations and

**Biosensors and virus** detection, antibacterial coatings, drug-mediated interactions, biofilm characterisation.

Advancing

of biological

sustainable

industries.

nano@flinders.edu.au | flinders.edu.au/nanoresearch