



# AUSTRALIAN NATIONAL FABRICATION FACILITY (ANFF) - NEWCASTLE HUB

Powering Industry Through Precision Manufacturing

The Newcastle ANFF Hub provides world-class specialist research infrastructure, expertise, and troubleshooting services to help innovators realise their research potential and gain global advantage with their products. We offer extensive and unique capabilities in design, development, and fabrication of nanostructured electronic materials and devices.

## PARTNERSHIP CAPABILITIES

- **Full-Service Solutions:** Complete end-to-end support from initial design through to prototype fabrication
- **Modular Services:** Individual components including design, development, testing, or fabrication as standalone services
- **Expert Consultation:** Access to specialist know-how and troubleshooting expertise in nanostructured electronics
- **Technology Development:** Collaborative research and development partnerships for cutting-edge innovations
- **Prototype Fabrication:** Advanced manufacturing capabilities for printed electronics and biosensors
- **Custom Solutions:** Tailored approaches to meet specific industry requirements and technical challenges

## PROVEN IMPACT

- **Entertainment Industry:** Printed solar technology currently powering part of Coldplay's world tour
- **Healthcare Innovation:** Pain-free diabetes test using printed biosensor technology to check saliva glucose levels
- **Award Recognition:** Our diabetes innovation won the Shaping Australia Problem Solver award in 2024
- **Global Applications:** Technologies developed in our facility are being deployed internationally
- **Industry Leadership:** Established reputation for delivering innovations that transform industries
- **Commercial Success:** Supporting technologies that achieve real-world commercial deployment

## POWERING GLOBAL ENTERTAINMENT WITH PRINTED SOLAR

When Coldplay needed sustainable energy solutions for their world tour, they turned to technology fabricated right here at the Newcastle ANFF Hub. Our printed solar panels are now helping to power one of the world's biggest music tours, demonstrating how our nanoelectronics expertise can scale from laboratory innovation to global application. This collaboration showcases the Hub's ability to take cutting-edge research and transform it into real-world solutions that make a difference on the international stage.



## CONTACT US:

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