

Edith Cowan University

Research facilities

- » Cyber Security CRC
- » Cyber Security Operational Technology Range
- » Electron Science Research Institute
- » Security Research Institute
- » WA AustCyber Innovation Hub

Defence projects

- » Resilient, high-speed, energy-efficient and secured underwater wireless communication network
- » Human performance exercises for submariners

Contact us

Defence Science Centre

dsc@jtsi.wa.gov.au

www.wa.gov.au/dsc



twitter.com/DSC_WA



[linkedin.com/showcase/defence-west](https://www.linkedin.com/showcase/defence-west)

Curtin University

Mr Gary Hale
Chief Security Officer and Director
Defence and Space Research
+61 8 9266 1448
defence@curtin.edu.au

Murdoch University

Professor Chad Hewitt
Director Murdoch Biosecurity
Research Centre
+61 8 9360 1655
chad.hewitt@murdoch.edu.au

Edith Cowan University

Dr Andrew Dowse AO
Director Defence Research and
Research Leader Information Warfare
+61 8 6304 2607
defence.research@ecu.edu.au

University of Western Australia

Mr Paul Collings
Manager Industry Engagement
+61 8 6488 2623
paul.collings@uwa.edu.au



Department of
Jobs, Tourism, Science
and Innovation



Achieve 'More, Together' with the WA Defence Science Centre

Remote undersea surveillance



Curtin University

Research facilities

- » Advanced Clean Environment Lab
- » Anechoic chamber
- » Applied Physicals Prototype Lab
- » Australian Space Data Analysis Facility
- » Blockchain Research and Development Lab
- » Centre for Marine Science and Technology
- » Communication Technology and Signal Processing Group
- » Curtin 5G Lab
- » Curtin Corrosion Centre
- » Curtin Institute for Computation
- » Curtin Institute of Radio Astronomy
- » Fuels and Energy Technology Institute
- » Future Battery Industries CRC
- » Future of Work Institute
- » GNSS Satellite Positioning and Navigation Group
- » Green Electric Energy Park
- » Hub for Immersive Visualisation and eResearch
- » Hydroacoustic tank
- » Innovation Central Perth
- » Optus-Curtin Centre of Excellence in Artificial Intelligence
- » Pawsey Supercomputer Centre
- » Remote Sensing and Satellite Research Group
- » Underwater acoustic recorders
- » WA Data Science Innovation Hub
- » Western Australian Marine Science Institution
- » Wireless Instrumentation and Networks Research Group

Defence projects

- » Automatic searching and tracking of abnormal ground signals from a satellite constellation
- » Deployable space domain awareness sensor system
- » High speed multimodal underwater wireless communications

Murdoch University

Research facilities

- » L and X-band receiver
- » Centre for Biosecurity and One Health
- » Centre for Sustainable Aquatic Ecosystems
- » Harry Butler Institute

Defence projects

- » Cognitive Biosecurity: Assessment and training perceptual expertise for defence biosecurity threats
- » Privacy preserving data computation services

The University of Western Australia

Research facilities

- » Coastal and Offshore Engineering Lab
- » Defence and Security Institute
- » EZONE
- » Microelectronic Clean Room
- » National Geotechnical Centrifuge Facility
- » Oceans Institute
- » O-Tube
- » Robotics and Automation Lab
- » Wave Energy Research Centre
- » Wave Flume
- » Advanced Sensing and Quantum Technologies Research Group
- » Australian National Facility for Ocean Gliders
- » Indian Ocean Marine Research Centre
- » International Centre for Radio Astronomy Research
- » Engineering for Remote Operations Research Cluster
- » Human Factors and Applied Cognition Laboratory

Defence projects

- » Association between automation and worker wellbeing and dehumanisation
- » Deep Bayesian Visual Positional System (VPS) for target localisation on a 3D map from a single drone image
- » Fast optical switch
- » Imaging through fibres