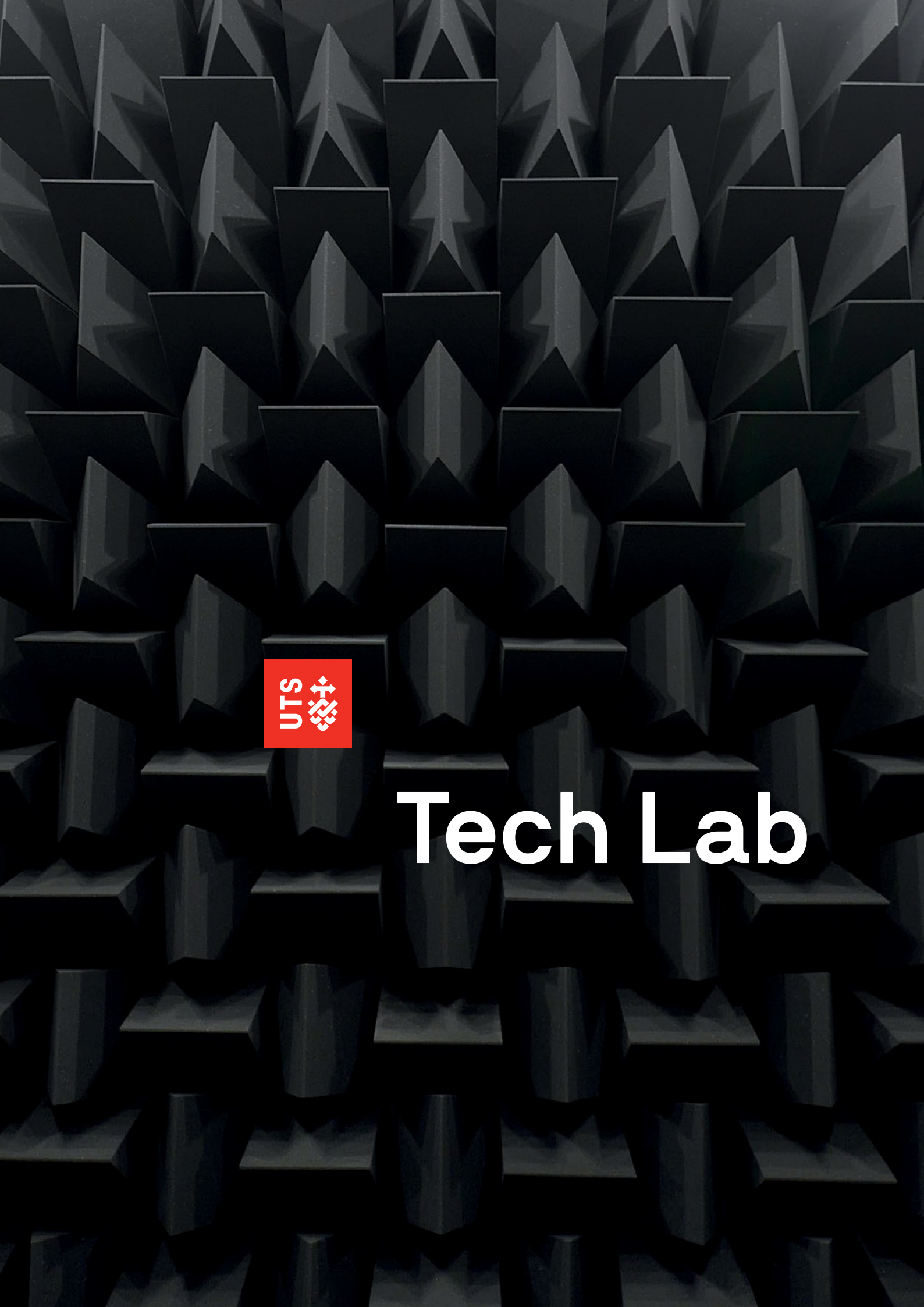


Tech Lab

Collaborative **university-industry** partnerships

UTS Tech Lab is a new-generation research facility supporting collaborative, industry-led research partnerships that have the potential to drive innovation and growth in the IT and engineering industry.

Industry partners benefit from access to the multidisciplinary facility and equipment, academic and professional teams and additional project resources through PhDs and student interns.

Flexible partnerships
Tech Lab offers bespoke partnerships to start-ups, SMEs and large organisations.

Collaborative
Partners can benefit from co-location at Tech Lab, with direct access to labs, equipment and project expertise.

Real world application
The solutions-focused service delivers applied research through to a commercial MVP.

Multi-disciplinary
Benefit from a multi-disciplinary approach to project solutions, through a dedicated project team.

Artificial Intelligence

Internet of Things

Smart Cities

Industry 4.0

Advanced Manufacturing

techlab.uts.edu.au

Working with us

Tech Lab offers flexible partnership opportunities to meet the R&D needs of partners. Each model is solutions-focused, designed to drive commercial innovation and impact.

1. **Tech Lab membership**
   Subscribe to access Tech Lab facilities, expertise, tech support and office space on a longer-term basis.
2. **Collaborative research project**
   Partner with Tech Lab academics to apply for external grants.
3. **R&D as a Service**
   Conduct one-off projects at Tech Lab and access our facilities, expertise and technical support teams.
4. **Consultancy**
   Access Tech Lab specialist lab spaces, equipment and personnel to undertake product testing.
5. **Facilities hire**
   Hold offsite meetings and workshops (internal and/or with partners) in inspiring spaces.

Research capabilities

UTS Tech Lab benefits from the expertise of 500+ engineering and IT academics.

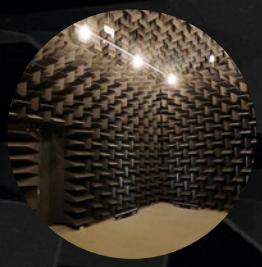
The applied industry research is supported by UTS Rapido, who bridge the gap between research and commercialisation, delivering minimum viable product (MVP) to industry partners.

- Acoustics
- Electrical Machines & Power Electronics
- Electromagnetic Informatics
- Geotechnical Laboratory
- Large Scale Structural Testing
- Laser Doppler Vibrometry
- Material Characterisation and Service Life Performance
- Motion Platform and Mixed Reality
- Multimedia Data Analytics
- Photonics
- Robotics
- Wireless Communications and Networking

Benefits to industry partners

- Project expertise through academic team, technical staff and PhD students
- Access to labs, equipment and dedicated office space
- Ownership of the project IP
- External funding opportunities to match project scope
- Commercial MVPs delivered through UTS Rapido

World-class facilities



Acoustics Lab

A comprehensive engineering acoustics testing facility with anechoic chambers, hemi-anechoic chambers and reverberation rooms.

Multimedia Data Analytics

Australia's only dedicated facilities for for AI-based multimedia and video surveillance applications used to count, detect, scan, measure or classify objects.

Robotics

Capabilities include intelligent sensing for condition assessment in pipeline infrastructures including; concrete sewer pipes, cement-lined pipes, cast iron pipes, structural and semi-structural pipelines.

Structural Dynamics Testing

The Multi-Axial Simulation Table (MAST) allows partners to apply vibration to the base of structures to measure performance and response.

Advanced Manufacturing and IoT

A fully-automated test bed for industrial algae production with enhanced control and monitoring techniques provided by Industry 4.0.

Computational Intelligence and Brain Computer Interface

Advanced facility for research and development into artificial intelligence systems and wearable devices to measure and enhance human performance.

Contact us

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Book a tour of UTS Tech Lab to see the facilities.

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Images: Anna Zhu, Andrew Worssam