

2024

Annual Infrastructure Report

1 January – 31 December 2024

Project status updates as at 31 March 2025

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2024 Infrastructure Projects Report

Projects
undertaken

75

Total 2024
budget

\$75.9M

Principal
contractors

11

Total
Infrastructure
Services
Investment

\$26M

Refurbished space

19,660m²

Total expenditure

\$80.2M

Cover image

Union House
Dinning Room



Plans and strategies

Accommodation strategy

Status: In development.

The AU Accommodation Strategy for Day 1 is being developed for the co-location of central professional staff by, or close to, Day 1. It will provide staff with clarity on their primary locations as the new University commences, and ensure a structured approach across the AU property portfolio. Not all staff will re-locate or co-locate, and this is the first phase of accommodation changes across Adelaide University. This complex initiative is being developed alongside the Organisation Structure design and supports the integration of new and merged AU teams, including College leadership teams.

Work is progressing in consultation with DVCs and PVCs to refine the plan for Day 1 and achieve their priority co-locations where possible. There is an emphasis on provision of co-working hubs across campuses to support staff mobility. At this stage the intention is for student-facing service provision to remain in current locations for Day 1.

Deliverables:

- Plan and scope co-locations that can be delivered by or close to Day 1, emphasising the co-location of service teams to enhance collaboration, efficiencies in service delivery and early fostering of AU culture.
- Provide visibility and reassurance to staff regarding their Day 1 locations.
- Ensure a structured and consistent approach to evaluating locations across all Adelaide University buildings.

Benefits:

- Provision of workspace accommodation that supports and fosters new ways of working, including hybrid and agile approaches.
- Co-location of teams and their leadership to help foster AU culture.
- Ensure continued and smooth delivery of University business for Day 1 operations.
- Consolidation of workspace locations.
- Free up space on campus to assist in planning for other University activities.



Adelaide University Estate Assessment 2024

Status: Completed February 2025

In 2024 an independent consultant was engaged to conduct an estate assessment of the combined property portfolios of the University of Adelaide and University of South Australia. The intent of the engagement was to inform the amalgamation of the portfolios and identify investment priorities in support of Day 1 operations.

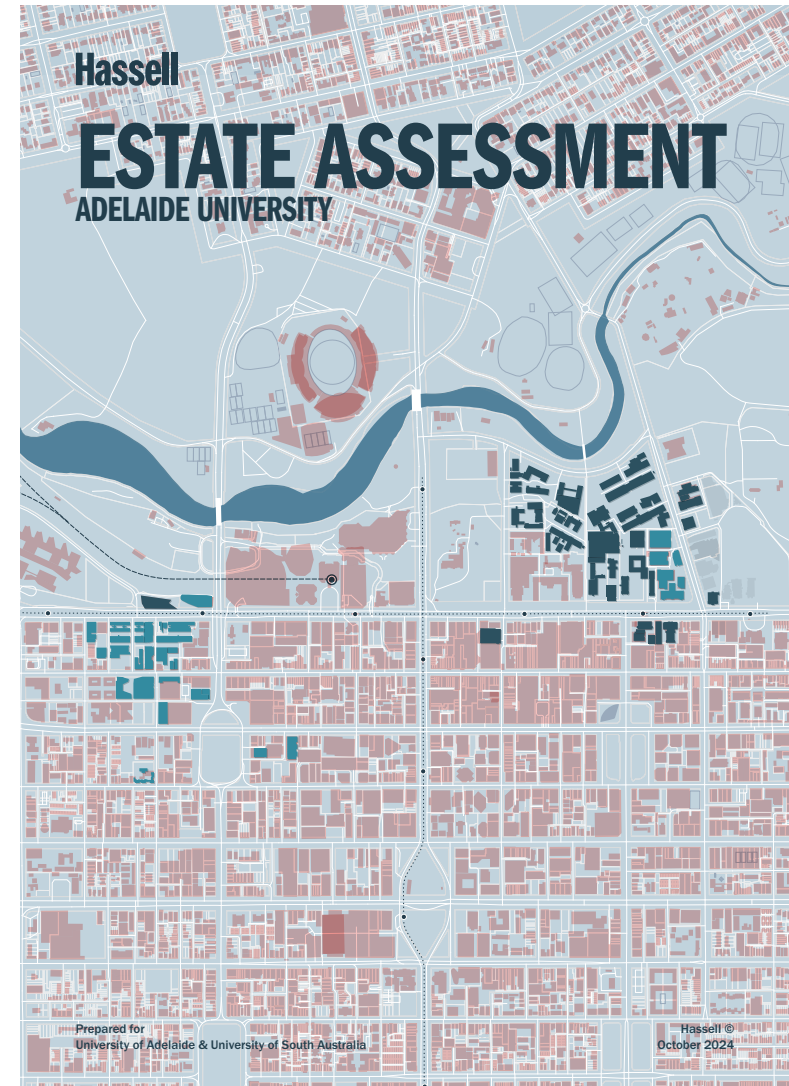
The Adelaide University Estate Assessment (AUEA) report draws upon input from our university communities, accessible data assets, data modelling, physical site evaluations, and expert internal knowledge.

Insights include:

- Building-level overview of existing assets - including quality of space - and their usage
- Campus activity distribution across Learning & Teaching, Specialist Research, and Workspace
- Preliminary high level College cohort distribution patterns
- Distribution and comparison of specialist Learning & Teaching space
- Comparative analysis of the Adelaide University estate within a national context

Benefits and next steps:

- Improved student and staff experience.
- Clear alignment with the AU vision to create a consistent experience for students and staff across the combined Estate with the provision of high-quality, active learning spaces.



Teaching space redevelopment strategy

Status: Documentation.

North Terrace Campus, UniSA City East Campus, UniSA City West Campus, UniSA Mawson Lakes Campus

Adelaide University is committed to creating a consistent experience for students and staff across all campuses, with the provision of high-quality, active learning spaces. In recognition of the need for harmonised teaching spaces, reviews were conducted in 2024 to understand the nature, attributes and nomenclature of the differing common teaching spaces across both organisations. To support The Adelaide Attainment Model and enhancing student on-campus contact time, six existing spaces have been identified as being able to support active learning through redevelopment, subject to finalisation of teaching requirements.

- Package A: Redevelopment of Chapman Lecture Theatre in Engineering North, and Macbeth Lecture Theatre in Badger Building and Schulz level 3 at UoA North Terrace Campus.
- Package B: Redevelopment of C3-16, Centenary Building, UniSA City East Campus, and part of J3-18, Jeffrey Smart Building, UniSA City West Campus.
- Package C: Redevelopment of P2-41, Playford Building, UniSA Mawson Lakes Campus.

Deliverables:

- **Stage 1:** Design and documentation of six active learning spaces by June 2025, ready for tender and construction.
- **Stage 2:** Tender and construction of spaces once deemed necessary for Day 1.

Benefits:

- Improved student and staff experience.
- Clear alignment with the AU vision to create a consistent experience for students and staff across the combined Estate with the provision of high-quality, active learning spaces.



Students in a Adelaide Health and Medical Sciences (AHMS) building lecture theatre

**Adelaide
University
projects
in progress**

Mawson Lakes Study Hub and Clubs Space

Building C, Level 2 and Building A, Level 1, Mawson Lakes Campus

New purpose-built spaces for student learning and student clubs will be created at Mawson Lakes Campus.

Deliverables:

- Redevelopment of approximately 1,400m² of level 2 in Building C (in the Sir Eric Neal Library) to create a new Study Hub comprising:
 - collaborative learning space
 - quiet study space
 - an active teaching room
 - yarning circle.
- Relocation of the FM Assist Office and redevelopment of 380m² of level 1 in Building A to create a flexible, purpose-built Clubs Space suitable for a range of uses by 20+clubs, comprising:
 - function space
 - meeting rooms
 - support spaces with connection to the Student Lounge.

Benefits:

- Improved student experience.
- Clear alignment with the AU vision to create a consistent experience for students across all campuses.



Students socialising

Voice recording studios

Horace Lamb, North Terrace Campus

The Adelaide University vision is to deliver Australia's most accessible, contemporary and future-focused learning and teaching experience, with every course underpinned by a digitally rich learning environment, incorporating the latest learning technologies, advanced teaching methods, and innovative connectivity. Supporting this vision is the creation of eight voice recording studios (VRS) adjacent to existing media hubs to support academic course development and AU digital content.

Deliverables:

- Create eight VRS with functionality and acoustic rating based on the Jeffrey Smart Voice Recording Studio (JS6-16B, UniSA) to enable high quality voice recording.
 - Package A: City East – Redevelopment of Horace Lamb level 2, three new studios, including one DDA accessible
 - Package B: City West – Redevelopment of Jeffrey Smart, three new studios
 - Package C: Mawson Lakes
 - Redevelopment of GP building, two new studios

Benefits:

- Improved student and staff experience.
- Clear alignment with the AU Vision Statement to deliver a contemporary and future-focused learning and teaching experience.



Voice Recording Studios will be located adjacent the existing Digital Presentation Suites

Yarning circles at Roseworthy and Waite

Locations to be determined at Waite and Roseworthy Campus

The vision for Adelaide University is to create a consistent experience for staff, students, affiliates, alumni, visitors and the broader community at each campus. This includes a coherent approach across campuses to inclusivity, cultural sustainability and connection to country. While most campuses have already embedded design elements known as learning or yarning circles into the external public realm, Roseworthy and Waite have not.

Deliverables:

- Introduce an open-air Kurna “Yarning Circle” at both the Roseworthy Campus and Waite Campus by, or close to Adelaide University Day 1, 2026, with landscape elements that express a connection to place that is specific to that campus and implicitly creates a positive connection between the campuses.

Benefits:

- Provide a consistent approach to inclusivity, connection to country and cultural sustainability across all campuses.
- Support the development of graduates and staff in achieving a high level of cultural awareness.
- Support the growth of enrolment, retention and success rates for Aboriginal students.



Kurna Learning Circle, North Terrace Campus

**University
of Adelaide
projects
in progress**

Building services Strategic Asset Management Plan upgrades

North Terrace and Waite Campuses

Multiple projects are underway to upgrade base building services that have reached their end of life. Depending on the building, works include the replacement of aged mechanical, electrical and hydraulic services equipment, including mechanical services switchboards, electrical distribution boards, exhaust fans, and air handling units.

Benefits:

- Improved operating efficiencies of base building services.
- Improved building services reliability and business continuity.
- Reduced ongoing maintenance costs.



Air handling units



Mechanical plant

Agriculture, Food & Wine, Waite Campus

Status: Design underway.

Budget: \$1.6M.

Badger, North Terrace Campus

Status: Designed and documented.
Expected completion December 2025.

Budget: \$8.3M.

Barr Smith Library, North Terrace Campus

Status: Designed and documented.

Budget: \$3M.

Elder Hall, North Terrace Campus

Status: Tender assessment underway.

Budget: \$1.4M.

Helen Mayo South, North Terrace Campus

Status: Design development.

Budget: \$4M.

Wine Innovation East, Waite Campus

Status: Tendered.

Budget: \$1.4M.

BioBank 4

Brailsford Robertson, Ground floor, North Terrace Campus

University of Adelaide Biobank facilities are projected to reach capacity by 2026 and there is a pressing need for expansion to accommodate the anticipated increase in research activities. The facility (Biobank 4) will extend the university's ultra-cold freezer capacity through to 2028.

It is essential that the Adelaide University develops a long term strategy for increasing its ultra-cold freezer capacity to continue support for critical research.

Deliverables:

- Refurbishment of approximately 140m² of existing dry laboratory space to accommodate 30 ultra-cold (-80°C) freezers.
- Provision of back-up power, reticulated specialist gas, sensing equipment, high efficiency air conditioning system and services to accommodate specialist biobanking equipment.

Benefits:

- Accommodate the anticipated increase in research activities and projected gap in biobank capacity.
- Continued support for critical research and the transition to the future Adelaide University.
- Enhanced research infrastructure and support strategic objectives for growth and excellence in research.

Status: Consultant engagement.
Expected completion March 2026.

Budget: \$2M.



Benham Biobank ultra-cold freezers

Cattle and sheep teaching and research facilities upgrade

Roseworthy Campus

The 1960s cattle and sheep yards at Roseworthy have reached their end of life and are being redesigned and rebuilt to provide superior teaching and research facilities for the School of Animal and Veterinary Sciences.

Deliverables:

- Major refurbishment of the Roseworthy cattle yards, crush area, pens, and main teaching area.
- Addition of a 50m x 60m roof over the cattle yards and a 20m x 40m roof over the sheep yards, along with expanded concrete pads, lighting, and other infrastructure to allow extended use of the yards during inclement weather.

Benefits:

- Improved student and staff experience.
- Contemporary teaching facilities that support effective hands-on training with livestock.
- A more comfortable learning environment under a wider range of weather conditions.
- Potential for increased industry engagement through the hosting of training and other events at the yards.

Status: Construction.
Expected completion June 2025.
Budget: \$4.2M.



Sheep yard under construction, March 2025



Cattle yard under construction, March 2025

Exterres CRATER facility

Roseworthy Campus

The Extraterrestrial Environmental Simulation (Exterres) Covered Regolith Analogue Terrain for Experimental Research (CRATER) facility will offer a large-scale enclosed space to simulate high-fidelity lunar and Martian environments. CRATER will complement the nearby EXTERRES Analogue Facility and support the national EPE + Lunar Outpost Oceania Consortium (ELO2) (chosen by the Australian Government to build and operate the Australian-made rover, Roo-ver) and multiple research groups affiliated with the Andy Thomas Centre for Space Resources.

Deliverables:

- Deliver a large-scale, enclosed perception testing facility for off-earth surface operations and the development of technologies for lunar missions.
- The facility will include backing curtains with low reflectivity (used to prevent light from bouncing back into the testing area) and regolith simulants (loose rock similar to lunar soil), along with storage for simulants, rocks, field tools, and earth-handling equipment.

Benefits:

- Accommodate future Australian Rover Challenge tasks and provide storage for materials and equipment used in both facilities.
- Increased ability to promote the Roseworthy Campus globally.

Status: Construction.
Expected completion May 2026.
Budget: \$1.2M.



Architectural renders



CRATER facility under construction, March 2025

Flood mitigation

Benham, Helen Mayo North, Mawson and Molecular Life Sciences, North Terrace Campus

A number of buildings on the eastern side of the North Terrace Campus house critical research equipment and ultra-cold biological sample storage on the ground and basement levels. Destruction or damage to either equipment or samples would have catastrophic impacts to research activities and the University's Body Donation Program. Considering the proximity of the campus to the nearby First Creek and Botanic Creek, an assessment of overland flooding from a 1 in 100 and 1 in 500-year flood event was undertaken in 2024 to identify risks and mitigation strategies.

Deliverables:

- Flood protection measures for the Helen Mayo North, Molecular Life Sciences, Benham and Mawson buildings, through a range of mitigation strategies, including installation of flood windows, automated flood barriers, hinged swinging gates, civil works to raise the height of paving, and other measures.

Benefits:

- Reduced risk of loss to critical research equipment and biological samples from Biobanks (Benham, Mawson and Molecular Life Sciences), and the Ray Last Laboratory (Helen Mayo North).
- Addresses insurance risk associated with potential losses in these spaces.

Status: Principal Consultant and Managing Contractor services tendered / Under Assessment.

Budget: (TBD).



Flood map depicting 1 in 100-year flood impacting the North Terrace Campus.

Ira Raymond Exhibition Room refurbishment

Barr Smith Library, Level 3, North Terrace Campus

The Ira Raymond Exhibition Room is used by the University Library as a multi-purpose venue for public exhibitions and is bookable for meetings, seminars and events. A bequest-funded refurbishment will align the room to more contemporary gallery spaces and doubles as a presentation/workshop space when no exhibition is in place.

Deliverables:

- Refurbishment of 150m² space to create a fit-for-purpose gallery and seminar room.
- Works include:
 - New timber flooring and acoustic ceiling
 - Upgraded gallery lighting and technology
 - A larger gallery entrance
 - Increasing perimeter ceiling height
 - Creation of more usable, flat wall space for displaying artistic works.

Benefits:

- Increased usability of space for exhibitions and events that can accommodate up to 60 people.
- Improved amenity and user experience.

Status: Construction.
Expected completion April 2025.

Budget: \$300K (Funded by Ira Raymond Exhibition Room bequest).



Architectural renders

Lift replacements

North Terrace and Waite Campuses

The University's Lift Condition Assessment Report recommended replacement timeframes for all lifts on campus. Based on this report, five lifts are being replaced because they've exceeded their operational lifespan, leading to more frequent breakdowns and reduced safety standards.

Deliverables:

- Strategic replacement of passenger and goods lifts that have reached their end of life:
 - Passenger lift in the Woolhouse Library, Waite Campus
 - Two passenger lifts in the Hughes building, North Terrace Campus
 - Passenger lift in the Barr Smith Library, North Terrace Campus
 - Goods lift in Union House, North Terrace Campus.

Benefits:

- Improved building services reliability and business continuity.
- Enhanced passenger safety.
- Improved staff and student experience.
- Improved energy efficiency.
- Reduced ongoing maintenance costs.

Status: Designed and documented.
Expected completion March 2026.

Budget: \$1.3M.



Union House goods lift



National Wine Centre asset renewal program

Corner of North Terrace and Hackney Road

Multiple works as part of the National Wine Centre asset renewal program will ensure that the precinct continues to deliver a world-class experience for staff and guests.

Completed works include:

- CCTV installation
- Glulam remediation
- Hickinbotham floor replacement
- Services upgrade (mechanical, electrical, lighting, and fire)
- Smoke spill upgrade
- Industry House works
- External timbers remediation
- Roof repair and mould monitoring
- Refurbishment of bathrooms
- Addition of a new public stairwell to the cellar.

Deliverables:

- Staged program of plant and equipment replacement at the National Wine Centre.

Benefits:

- Improved building and service reliability and efficiencies, and improved delivery of high-end hospitality.
- Remediation and restoration of building features improve the overall aesthetics of the centre, increasing its marketability and ability to attract customers.

Status: All works to be completed by December 2025.

- Western bathrooms under construction.
- Yarabee House refurbishment tendered.
- Access control improvements under construction.
- Hickenbotham Terrace refresh in design.

Budget: \$15M. Fully funded by the State Government



Hickenbotham Terrace



Yarabee House

Net Zero Geomodelling Laboratory

Engineering South, Level 1, North Terrace Campus

The University has bolstered its position as a key player in GeoEnergy research, education, and training in Australia, securing funding to establish a state-of-the-art experimental facility dedicated to addressing national priorities in energy security, emissions reduction, and future fuel research.

Deliverables:

- Full refurbishment of a 129m² underutilised teaching space (S137 Engineering South) to deliver an interactive and multi-purpose learning space (Net Zero Geomodelling Laboratory) to enhance understanding of subsurface H₂ and CO₂ storage.
- Works include:
 - New flooring, paint and joinery
 - New curtains, block out blinds and lockers
 - Moveable equipment and gantry system
 - Glazed entrance and viewing window.

Benefits:

- Improved student and staff experience.
- Cultivation of skilled geoscience engineering graduates pivotal for Australia's shift towards low-carbon energy.
- Increased outreach opportunities and engagement with industry partners, government departments and school groups.
- Enhanced University reputation and demonstration of world-class research excellence that is collaborative and outward facing.
- Ability for staff to provide short courses in specialised techniques to a broader range of users and to participate in relevant research projects.

Status: Construction.
Expected completion May 2025.
Budget: \$2M.



Architectural renders

Nexus 10 Artificial Intelligence / Virtual Reality Hub

Nexus 10, Ground floor, North Terrace Campus

A one-of-a-kind Commercialisation Hub for the Faculty of ABE will showcase Artificial Intelligence (AI) and Virtual Reality (VR) research capability and conduct commercial marketing interface functions.

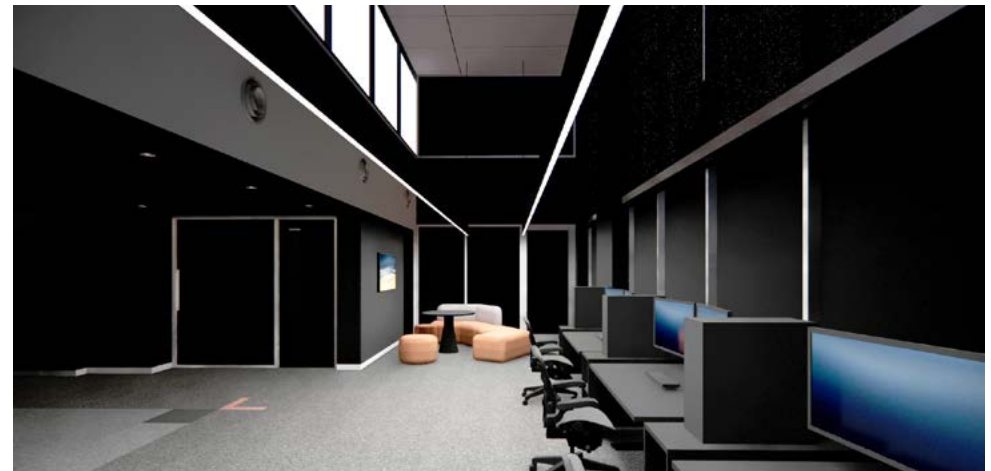
Deliverables:

- Repurpose a 123m² underutilised student area on the ground floor of Nexus 10 to deliver an immersive, purpose-built AI/VR Laboratory that can be utilised by a range of compatible research activities.
- Create distinct zones within the Hub:
 - **VR/AI area** - Open space where most demonstration and research activities will occur. Scope includes aesthetic, lighting and HVAC uplift with new joinery.
 - **Developer space** - An open-plan workspace that adjoins the VR/AI area with and storage.
 - **Meet and greet corner** - An existing corner adjoining the large area, with privacy film and environmental graphics applied to communicate the intent of the area.

Benefits:

- Enhanced staff and student experience.
- Improved and enhanced AR/VR teaching and research capability.
- Increased engagement with industry and attraction of high-profile visitors to improve visibility of research capabilities.

Status: Construction.
Expected completion June 2025.
Budget: \$1M.



Architectural renders

Ray Last Laboratory refurbishment

Helen Mayo North, Basement, North Terrace Campus

The Ray Last Laboratory is the University's core facility for undergraduate and postgraduate teaching in anatomy, including advanced surgical training, simulation, clinical skills and research. The Lab also supports the operation of a state-wide body donation program. Rising student enrolment and changes to course structures are expected to place significant pressure on the current laboratory setup over the next 2-5 years.

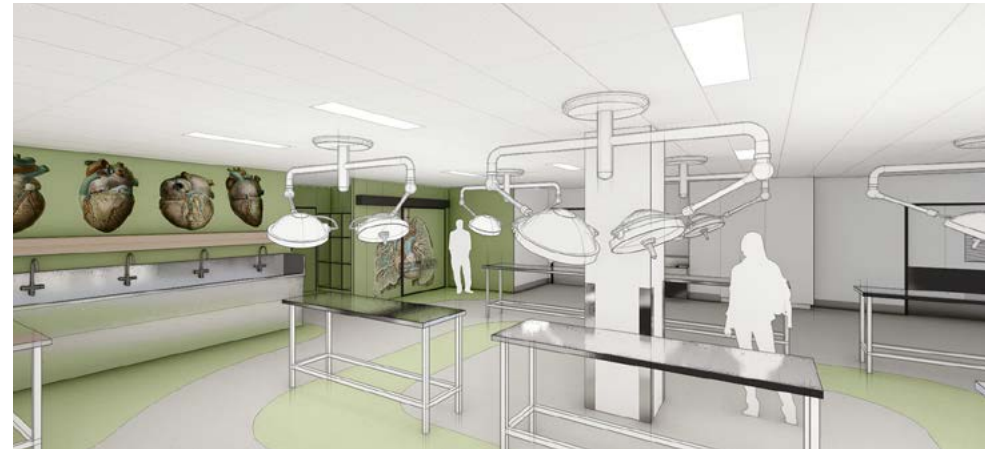
Deliverables:

- Major refurbishment and reconfiguration of 540m² (not including the plant room) including the Surgical Skills teaching lab (front of house) and body preparation and storage (back of house) areas to create a state-of-the-art facility with central laboratory operations space between teaching laboratories.
- All new supporting services in the existing plantroom and a new plant platform to the rear of the building.
- Works include all new AV, joinery and storage.
- Temporary storage and services (including off site) to ensure that both teaching and the Body Donation Program can continue to operate during construction.

Benefits:

- Improved workflow and amenity for Ray Last Anatomy Laboratory specialist staff.
- Increased operational efficiency and maximisation of space.
- Ability to accommodate larger class sizes and growth in students.
- Ability to facilitate both concurrent teaching in the North and South labs, and anatomy lab duties, including receiving, storing, embalming, dissecting and dispatching cadavers.

Status: Construction.
Expected completion May 2025.
Budget: \$2.6M.



Architectural renders



Surgical Skills teaching lab under construction, March 2025

Roseworthy small animal facility

Breakwell, Ground floor, Roseworthy Campus

A new research facility will accommodate the research and associated equipment of Professor Kapil Chousalkar, Academic Veterinarian in the Faculty of Sciences, Engineering and Technology.

Deliverables:

- Full refurbishment of 100m² in rooms G7 and G8 of the Breakwell building, to create a BC2 (Biosecurity Containment level 2) lab for small animal research and house seven poultry isolators (pictured).
- Works include all new electrical, mechanical and hydraulic services, air conditioning and back-up generator, adjustable LED lighting throughout, shower facility, wash up area, and roof and gutter replacement.

Benefits:

- Improved staff and student experience.
- High-quality research facility to accommodate research in infectious diseases in poultry.
- Opportunity to engage with industry and other research partners.

Status: Construction. Expected completion April 2025.

Budget: \$1.3m.



Small Animal Facility under construction, March 2025



Example poultry isolators to be installed

Security Services expansion

Barr Smith South, Level 4, North Terrace Campus

The North Terrace Campus Security Office will be expanded to create a more functional operating environment, including the establishment of a 24/7 monitored control room, increasing security capability across all campuses. The expanded location will provide easier access, while also presenting a safe and welcoming space for campus users.

Deliverables:

- Refurbishment of 90m2 in the Kenneth Wills building to expand the floor print of the North Terrace Campus Security Office and create an ASIO level 3 Secure Control Room.
- Works include:
 - Maximising re-use of existing built structures
 - New reception counter with seated waiting area
 - Office accommodation
 - Safe facilities for students and staff to make reports when distressed

Benefits:

- Improved safety and security of staff, students and visitors to campus.
- Access to a high-quality Control Room.
- Ability to accommodate increased AU staff capacity in 2025.

Status: In design. Expected completion December 2025.

Budget: \$1.2M.



North Terrace Campus Security Office

Small Animal Laboratory

Brailsford Robertson, Level 1, North Terrace Campus

A new small animal laboratory supports high-impact University of Adelaide and SAiGENCI research.

Deliverables:

- Partial refurbishment of 215m² of barrier physical containment level 2 animal facility for Lab Animal Services, including the establishment of a centralised core rodent breeding facility.
- Refurbishment of 160m² of standard lab space to conventional PC2 standard.
- Provision of a backup power generator and associated works in line with Animal Ethics Standards.

Benefits:

- Support for University of Adelaide and SAiGENCI research.
- Increased housing capacity of rodents used for biomedical research purposes.
- Animal testing radiation capability for the Centre for Radiation Research Education and Innovation (CRREI) group alongside the core breeding facility.

Status: Construction.
Expected completion May 2025.

Budget: \$1.6M.



Brailsford Robertson building

Specialist music teaching spaces

Multiple projects are underway at the North Terrace Campus to refresh poor-quality specialist, learning and teaching music spaces.

Elder Hall, Ground and Lower Ground floor, North Terrace Campus

Deliverables:

- Aesthetic uplift to teaching and practice rooms on the ground and lower ground level of Elder Hall (280m² total, plus linking corridors and circulation areas). Works include new carpet, paint, and minor fixes to walls, handrails and stairwells.
- Uplift of the Elder Hall Artist Green Room (G15, pictured) with new carpet, joinery, paint, lighting fixtures, acoustic wall panels and wall mounted mirrors.

Benefits:

- An improved and consistent experience for staff, students and visitors to Elder Hall.



Architectural render depicting Elder Hall green room

Status: Documented.

Budget: \$500K.

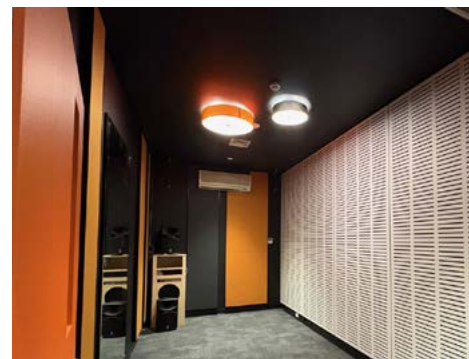
Madley, Ground floor, North Terrace Campus

Deliverables:

- Aesthetic uplift to 11 practice rooms in the Madley building (187m² total).
- Works include new carpets, lighting, mirrors and acoustic wall and door linings, along with relocation of existing services (power/data).

Benefits:

- Improved acoustic properties and overall aesthetic appeal, resulting in increased utilisation.
- Improved staff, student and visitor experience.



Madley practice room

Status: Construction.
Completed May 2025.

Budget: \$500K.

Storfflood equipment installation

SANTOS, Level 1, North Terrace Campus

The H₂ and CO₂ Storfflood system is laboratory equipment specifically designed for researchers investigating the feasibility and characteristics of storing hydrogen underground in porous rock formations. New equipment has been purchased by the Australian School of Petroleum and Energy Resources and a review undertaken of existing mechanical, electrical, and laboratory gas services and infrastructure in the laboratory where equipment will be installed.

Deliverables:

- Prepare the existing Fluids and Drilling Laboratory in Santos 106, for installation of a Hydrogen and CO₂ Storfflood system utilising existing central thermal plant.
- Works include modification and upgrade to services, including new electrical switch board and fan control unit.

Benefits:

- Support for Energy Resources Engineering research in the School of Chemical Engineering.
- Improved student and staff experience.

Status: Construction
Completed May 2025.

Budget: \$650K (SET funded).



Fluids and Drilling Laboratory

Terahertz Engineering Laboratory expansion

Engineering North, Level 2, North Terrace Campus

An increase in defence research activities in the Terahertz Engineering Laboratory necessitates the expansion of the existing laboratory into an adjacent computer lab.

Deliverables:

- Expansion of the existing Terahertz Engineering Laboratory in N203 (51.5m²) into the adjacent computer lab N204 (45m²) to increase dry laboratory space and allow for a secure zone for defence research activities, space for a new optical table, and a multi-use hot desk/meeting area.
- Works include new anti-static flooring, paint, LED lighting, furniture, and additional storage.

Benefits:

- Improved amenity for users of the facility and outside visitors.
- Support for research activities in standoff sensing, integrated platforms, and 6G communications for the School of Electrical and Electronic Engineering.
- Increased floor space that accommodates future expansion of activities.
- A secure space for Defence-related research and a breakout space that allows non-lab members to easily view project status without disturbing other projects

Status: Construction.
Completed May 2025.

Budget: \$200K.



Terahertz Engineering Laboratory

Completed projects

ABLE HDR Hub

Nexus 10, Level 8, North Terrace Campus

The first bespoke Hub for Higher Degree by Research students from the Faculty of Arts, Business, Law and Economics provides a significantly improved the student experience.

Deliverables:

- Refurbishment of approximately 260m² to accommodate a bespoke HDR Hub for the School of Education.
- Provision of an agile work environment to adapt to changing student numbers, with 37 sit/stand workstations, three large work booths (including one accessible), three smaller booths for phone calls, 65 lockers, a writable glass-board, acoustic panelling and screens.
- Upgraded kitchenette and new meeting room.

Benefits:

- Consolidation of existing HDR spaces, allowing for increased collaboration opportunities.
- Improved HDR student experience and a high-end facility that befits the value of HDR students to the university.
- Increased flexibility and utilisation of space, and a design that will accommodate future growth of HDR students within the ABLE faculty.

Status: Completed December 2024.

Budget: \$1M.



ABLE HDR Hub



Barr Smith Library refresh

Barr Smith Library, Levels 1, 2, and 4, North Terrace Campus

This multi-year project has delivered beautifully refreshed space that is flexible, inspiring, and encourages students to engage, collaborate and dwell on campus.

Deliverables:

- Refurbishment of approximately 2,000m² of the library, informed by the Barr Smith Library Refurbishment Plan 2023, including the addition of cosy spaces for quiet study and small group discussion, and renovation of the level 1 male, female and accessible toilets.
- A new northern entrance created to the library from the Barr Smith Lawns with a clear path to the existing lift.
- A new Indigenous cultural space and Yarning Circle created with links to the Yaitya Ngutupira resource area.
- Improve internal and external wayfinding and signage.

Benefits:

- Significantly improved student and staff experience.
- Clear identification of welcoming student zones for collaboration, socialising, small group work, and silent study.
- Improved accessibility and obvious pathways through the Library from the lower part of campus to Hub Central.
- Connection between Yaitya Ngutupira, Tirkanthi Yangadlitya and the Kaurna Learning Circle, an important cultural meeting place at North Terrace located on Victoria Drive.

Status: Completed February 2025.
Tirkanthi Yangadlitya completed February 2024.

Budget: \$3M.



New entrance to the Library from the Barr Smith Lawns



Reading Room atrium corridor



Barr Smith Library, Level 1

Barr Smith South Hub refresh

Status: Completed February 2025.

Budget: \$700K.

Barr Smith South, Hub Central, North Terrace Campus

One of the busiest spaces in the Hub and the adjacent, highly underutilised courtyard have been revitalised to improve functionality, usability and aesthetic appeal.

Deliverables:

- Aesthetic uplift of the northern Hub courtyard with fixed and moveable furniture, umbrella shading, festoon lighting and a new waste enclosure.
- Aesthetic refresh of the student kitchen, including new furniture, painting, feature seating and reconfiguration of the space to increase natural light and allow for the use of operable doors to the adjacent courtyard.

Benefits:

- Activation of the neglected and underutilised courtyard.
- Improved functionality of the kitchen with use of natural lighting and connectivity between the kitchen and eastern courtyard.
- Durable spaces that are easily maintained and can accommodate the growing demands of the University community.
- Improved student and staff experience.



Hub Central student kitchen



Hub Central eastern courtyard



Hub Central northern courtyard

Bonython Hall amenities

Bonython Hall, North Terrace Campus

One of the University's grandest buildings is more accessible with the addition of all gender toilets and end-of-trip facilities, making it easier to welcome the community to this Adelaide landmark. The prefabricated amenities block was built off-site to minimise disruption and was crane-lifted over Bonython and attached to the eastern side of the building.

Deliverables:

- A stand-alone, all gender amenities block on the eastern side of Bonython Hall with two regular cubicles, two ambulant accessible cubicles, one accessible cubicle with infant changing facilities, and a shared wash basin.
- End-of-trip shower and change facilities on the lower level of the block with entry from the underground car park.
- Improved accessible ramp entrance to Bonython Hall with new handrails, a covered wood canopy, lighting and CCTV.

Benefits:

- Improved accessibility and amenity for users of Bonython Hall, including for graduations and alumni events.
- Inclusive all gender amenities that recognise the diversity of the university and wider community.
- Easy to access end-of-trip facilities for staff and student cyclists.

Status: End-of-trip facilities and access ramp completed July 2024. Toilets completed May 2024.

Budget: \$2M.



Bonython Hall amenities

Building services Strategic Asset Management Plan upgrades

North Terrace and Roseworthy Campuses

Multiple projects have been completed to upgrade base building services that have reached their end of life. Depending on the building, works include the replacement of aged mechanical, electrical and hydraulic plant and equipment, including chillers, air handling units, air conditioning units and mechanical services switchboards. Both the Barr Smith South and Engineering South projects also included rectification of asbestos issues.

Benefits:

- Improved operating efficiencies of base building services.
- Improved building services reliability and business continuity.
- Reduced ongoing maintenance costs.
- Reduced risk associated with blackouts due to the data chiller upgrade.



Electrical plant on the roof of the Kevin Marjoribanks building

31	distribution boards
15	mechanical services switch boards
7	chillers
29	pumps
47	air handling units
2	boilers
12	split system air conditioners
15	air conditioner packaged units
16	duct fans
3	evaporative units
4	fan core units
1	cooling tower

Barr Smith South, North Terrace Campus Status: Completed April 2025. Budget: \$6M.
Eastick and Callaghan, Roseworthy Campus. Status: Completed March 2025. Budget: \$1.8M.
Engineering South, North Terrace Campus. Status: Completed August 2024. Budget: \$1.9M.
Nexus 10 Precinct, North Terrace Campus. Status: Stage 1 completed November 2024. Stage 2 completed December 2024. Budget: \$8M.

Custance Centre electrification

Student accommodation, Roseworthy Campus

Student housing in the Roseworthy Custance Centre has transitioned to all-electric operations to reduce carbon emissions.

Deliverables:

- Installation of 78kW (total) of solar PV across fourteen rooftops.
- Removal of all gas fired appliances in the Centre.
- Installation of 18 400L heat pump hot water systems.

Benefits:

- Generation of around 100MWh of solar power per year, equivalent to 50% of the annual Custance area electricity usage.
- Reduced peak electricity demand to Roseworthy Campus, resulting in reduced energy costs and increased resilience of electrical supply.
- Project alignment with the University's Sustainability Strategy 2030 – Here For Good.
- Based on the total project spend and estimated annual saving of \$42K, the simple payback period from this project is nine years.

Status: Completed July 2024.

Budget: \$380K.



Custance Centre accommodation building

Dental Simulation Clinic refresh

Barr Smith South, Level 1, North Terrace Campus

Minor works to the 11-year-old Dental Simulation Clinic will ensure the clinic continues to present and operate as a state-of-the-art facility.

Deliverables:

- Aesthetic uplift of the 647m2 Dental Simulation Clinic, lockers, dental education and back-of-house areas through repairs to joinery, wet areas, and 91 dental simulation works stations frames and chairs.
- Works include the addition of mobile joinery units and stackable furniture, replacement of the make-shift tea point with a kitchenette, signage, a refined colour scheme and finishes, and replacement of fluro lighting with LEDs.

Benefits:

- Improved student and staff experience.
- Increased and improved storage to maximise space and functionality.
- Future savings in maintenance capital expenditure over the next ten years.
- Continued attraction of students seeking to complete University of Adelaide Dental programmes.

Status: Completed December 2024.

Budget: \$650K.



Dental Simulation Clinic

Digital Presentation Suite

Barr Smith Library, Level 2, North Terrace Campus

A hybrid studio facility for the delivery of synchronous and asynchronous digital teaching was identified as a key priority in the University's Learning and Teaching Space Transformation Vision 2030.

Deliverables:

- Establish a user-friendly and intuitive Digital Presentation Suite (DPS) equipped to facilitate both livestream (synchronous) and pre-recorded (asynchronous) delivery of online-only classes, with fully automated 4K studio, teleprompter, motorised green screen and neutral grey background options and dual source recording
- Suites should link to the existing adjacent recording studio, and new support spaces such as an editing suite, green room, and tea point.

Benefits:

- The first of numerous dedicated spaces for online course content creation and delivery, allowing students to access and engage with coursework at their own pace and on their own schedule.
- The central location of the suites allows for safe, after-hours access with adjacent existing technical support.
- Significantly improved staff teaching experience and student learning experience.

Status: Studio 1 completed November 2024. Studios 2 and 3 designed and documented.

Budget: \$2M.



Digital Presentation Suite



Mawson access improvements

Status: Completed August 2024.

Budget: \$570K.

Mawson, main entrance, North Terrace Campus

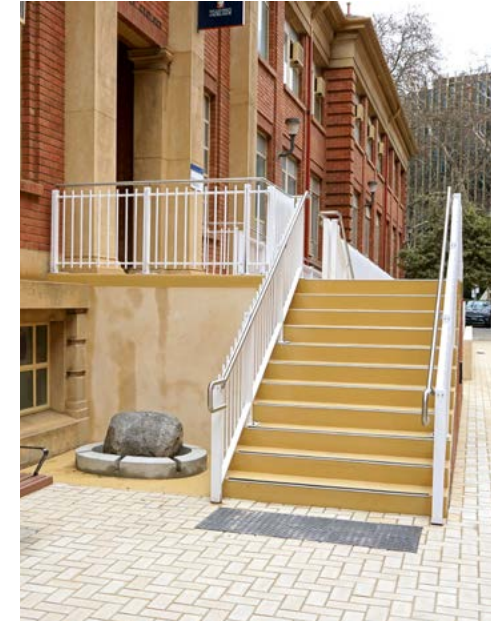
Equitable access barriers to the Mawson building have been addressed with a stylish new access ramp.

Deliverables:

- New compliant access to the main southern entrance to the Mawson building.
- Directional precinct and DDA signage associated with new front entrance.
- New paving, park bench and bike racks.
- Relocation of the historic rock from one of Sir Douglas Mawson's earliest Antarctic expeditions.

Benefits:

- Improved student, staff, and visitor experience.
- Reduced risk of student withdrawals due to inability to navigate and access key circulation routes.
- Reduced risk of Disability Discrimination Act complaints based on grounds of equity of access.



Mawson access ramp, stairs and rock

Mawson Student Lounge refresh

Mawson, North Terrace Campus

A tired student space has been revitalised on a modest budget.

Deliverables:

- Aesthetic uplift of a 120m2 student lounge with new and reupholstered furniture, updated benchtops, pinboards and acoustic wall cladding, fresh paint and new AV in project rooms.

Benefits:

- Improved student experience.
- Increased utilisation of space.



Mawson Student Lounge booths and eating area

Status: Completed December 2024.

Budget: \$250K.

Mechanical Engineering Laser Laboratory

Engineering South, Ground floor, North Terrace Campus

New Laser Labs for the School of Electrical and Mechanical Engineering will be critical facilities for anticipated research programs within the Heavy Industry Low-carbon Transition (HiLT) CRC.

Deliverables:

- Refurbish 245m² of ground floor space in the Engineering South building to establish state-of-the-art mechanical engineering laser laboratories with laser tables, turbines, a wind tunnel, high pressure gas reticulation systems, purpose-built extraction systems and other specialist equipment, combining multiple labs from Engineering North.
- Removal of ceilings to provide space for tall reactors, which are essential for conducting experiments under realistic real-world conditions.
- Rectification of the plaza above the facility, including new decking, to address latent issues below the pavement and revitalise the courtyard outside the level 1 entrance to Engineering South.

Benefits:

- New facilities support the University of Adelaide as the lead university partner in the HiLT CRC.
- Opportunity to expand the types of experiments that can be undertaken.
- Improved storage and ability to handle hazardous material (particulates) across the overall project area.
- Ability for researchers to safely relocate lasers and rigs to and from this lab.
- Provision of compliant and functional working space at the ground floor level.

Status: Completed November 2024.

Budget: \$3.8M.



New decking outside Engineering South main entrance



Gas reticulation and extraction systems in upgraded facility

Park 10 sports field lighting

Status: Completed November 2024.

Budget: \$500K.

Park 10 Oval, Bullrush Park, Adelaide Parklands

Significant improvements to lighting in Warnpangga (Park 10) means that the site is now suitable for semi-professional games and match practice in the evening. These works were identified in the Park 10 and 12 Masterplan (2019) which laid out a staged approach to upgrading the UoA sporting grounds, including lighting, pitches and facilities.

Deliverables:

- Replace seven existing 25-metre columns throughout Park 10, the Graduate Oval pitch and The Neck, with LED floodlights (35 lights in total).
- Luminosity around the Graduates Oval to be 200 lux for professional games, with functionality to dim to 100 lux for training if required.

Benefits:

- Lighting requirements are sufficient for semi-professional games and provide illumination for training activities during winter, creating a safer, more equitable and higher quality space.
- Lighting is automated and programmed to dim at 9pm and turn off after that, improving ease of use. Additional functionality exists to control levels over the phone.



Park 10 sports ground illuminated at night

Plant Accelerator trigeneration replacement

Waite Campus

Replacement of aged plant and equipment related to the 2010 trigeneration system will provide users of the Plant Accelerator with additional capacity for their mechanical infrastructure, allowing them to expand their existing research capability.

The university is looking to develop a 10-year Building Services Investment Plan which will be used to seek National Collaborative Research Infrastructure Strategy (NCRIS) funding for ongoing maintenance.

Deliverables:

- Installation of an energy and cost-efficient solution to the existing trigeneration plant and associated mechanical and plumbing equipment.
- Throughout the project, ensure that the facility remains operational with minimal disruption to research.

Benefits:

- Mechanical plant equipment that meets the system demand within the building and provides redundancy for this critical research facility.
- Provides a solution to replace the failing micro turbines with the traditional mechanical thermal plant.
- Eliminates the source of internal plant corrosion by returning plant water supply to mains water.

Status: Completed February 2025.

Budget: \$3M.



Plant Accelerator building

Public realm – Barr Smith Lawns South

Status: Completed May 2025.

Budget: \$3M.

Barr Smith Lawns and Benham building frontage, North Terrace Campus

One of the most iconic parts of the North Terrace Campus has been revitalised to bring a cohesive aesthetic to the lower part of the campus and enable active use during the day and night.

Deliverables:

- Enhance the overall aesthetic and event capability of the Barr Smith Lawns to create new places for informal study and socialisation. Key features of the design include;
 - upgraded lighting, additional power provision and integrated CCTV,
 - new paving and landscaping, including to increase the quantity and quality of planting beds,
 - new bike racks, BBQ and street furniture, and
 - removal of pool fencing adjacent the Benham building and conversion of old research ponds to raised garden beds.
 - a bronze sculpture of Professor Emerita Fay Gale AO to celebrate female scholarship.
- Improve the visual amenity of the Benham building frontage along Victoria Drive

Benefits:

- Improved student and staff experience.
- Increased ability to host small and large events on campus.
- Activation of building frontages along Victoria Drive.



Bronze sculpture of Professor Emerita Fay Gale AO



Raised garden beds adjacent Benham building

Quantum Materials MBE Laboratory

Physics, Ground floor, North Terrace Campus

A new high-tech laboratory for the Schools of Physical Sciences and Electrical and Electronic Engineering, expands on previous investment in quantum materials equipment and facilities.

Deliverables:

- Full refurbishment of 235m² in the Physics building ground floor to create the Quantum Materials - Molecular Beam Epitaxy (MBE) Laboratory, a dedicated facility for quantum materials device fabrication, along with specialist support laboratories and cleanrooms.

Benefits:

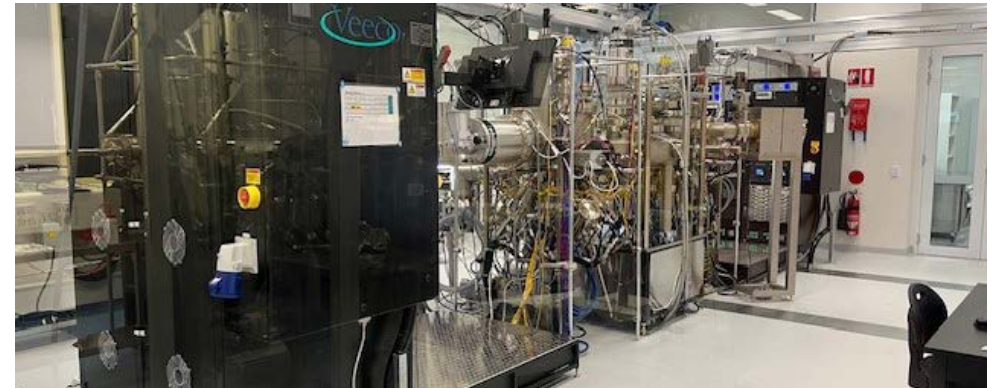
- Supports industry relevant post graduate degrees in materials engineering which have links to the space industry, medical technologies, defence, manufacturing, energy, and telecommunications.
- Increased breadth in physics and engineering education within University of Adelaide programmes.
- Increased engagement with industry partners and government departments, particularly defence.
- Ability to grow research income and attract HDR students.

Status: Separable portion 1 completed December 2024.

Separable portions 2 and 4 completed February 2025.

Separable portion 3 expected completion April 2025.

Budget: \$8M.



Quantum Materials MBE Laboratory and support lab

Roseworthy teaching refresh

Williams building, Ground floor, Roseworthy Campus

Specialist teaching and support spaces in the Williams building have been refreshed for the School of Animal and Veterinary Sciences.

Deliverables:

- Provide flexible, contemporary laboratory space in room G12 for specialist Veterinary learning and teaching, along with an adjacent washroom and preparation spaces. Works include new joinery and benches, LED lighting, paint, hydraulic services, and floor-to-ceiling retractable bird enclosure.
- Uplift six offices, surrounding corridors and foyer, with new carpet, joinery and storage for student belongings, updated feature lighting and fresh paint.

Benefits:

- Improved student and staff experience.
- Ability for students to participate in lessons with live birds and small animals.
- Enables faculty growth in Veterinary-related disciplines.



Teaching laboratory with retractable bird netting

Status: Stage 1 completed February 2024.

Stage 2 completed April 2024.

Stage 3 completed July 2024.

Budget: \$1.2M.



Williams building foyer with storage and display cabinets

School of Architecture refresh

Barr Smith South, Level 5, North Terrace Campus

Dated Architecture teaching spaces received a much-needed facelift to improve the overall aesthetic and maximise space.

Deliverables:

- Refresh architectural elements and undertake minor alterations to the layout of four rooms on the northern side of the building (337m² total). Works include the introduction of new walls and consolidation of existing storage into a larger storeroom, new AV, furniture, ceiling tiles and rubber flooring.
- Full AV upgrade in five rooms on the southern side of the building (242m² total).

Benefits:

- Improved staff and student experience.
- Improved utilisation of space and a large fit-for-purpose storeroom for the School of Architecture.
- Flexible teaching space suitable for a range of purposes.

Status: Completed March 2025.

Budget: \$1M.



School of Architecture teaching rooms

Union House redevelopment

**Union House, Levels 2-6,
George Murray, Level 4,
Lady Symon, Level 4**

Rejuvenation of one of the University of Adelaide's most iconic buildings enables it to operate as a unique venue for events, socialising and engaging in campus life.

Deliverables:

- Redevelop the Union House precinct to create a purposeful place to study, socialise and engage in extra-curricular activities.
- Works included:
 - Multi-use student spaces on level 4.
 - Bookable function rooms, and a contemporary restaurant on level 5.
 - New and refurbished amenities, including an all-gender bathroom and parenting room on level 2.
 - Full infrastructure upgrade including electrical, air conditioning, fire protection and plumbing.
 - Office refit for YouX in Lady Symon.
 - Relocation of the Fitness Hub from level 5.
- Improve circulation, wayfinding, and use of natural light.
- Reinstate lost architectural elements, including original materiality of red brick, concrete and timber, and cross-building pathways via the network of balconies.

Benefits:

- Reactivation of an underutilised space to improve student experience and contribute to student retention.
- Inclusive all gender amenities that recognise the diversity of the university community.
- Ability to host conferences and executive events on campus.
- Future savings in maintenance capital expenditure.
- Future facility hire revenue from new function spaces.
- The potential for increased philanthropic support for the University through better engagement with alumni.
- Restored architectural grandeur of an iconic building.

Status: Completed December 2024.

Budget: \$35M.



Taikunthi restaurant



Student lounge



Meeting room 2

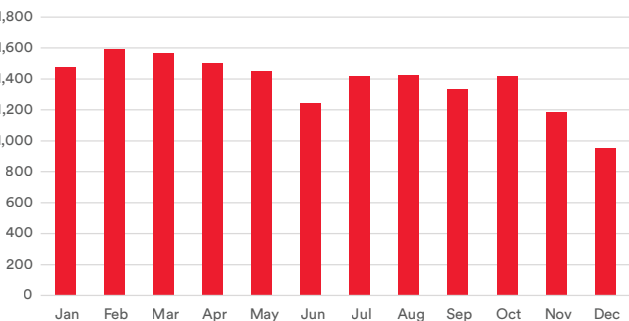
Compliance and management reports

2024 Facilities management report

Additional work requests

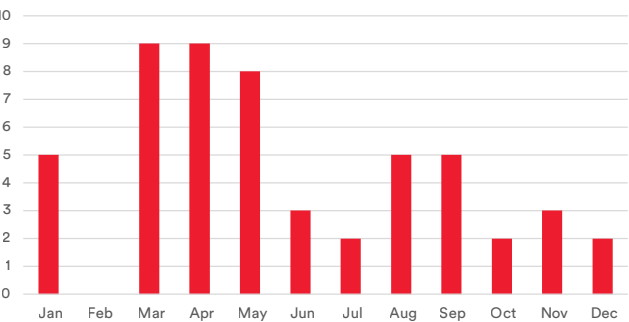
Reactive work requests

Facilities Management actioned 16,564 reactive work requests in 2024 (up 5% from 2023).



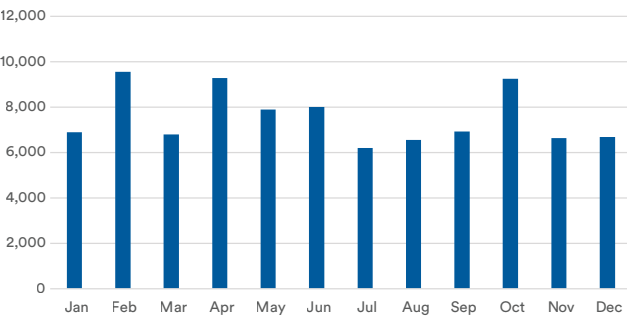
Priority 1 work requests

Facilities Management actioned 53 P1 work requests in 2024.



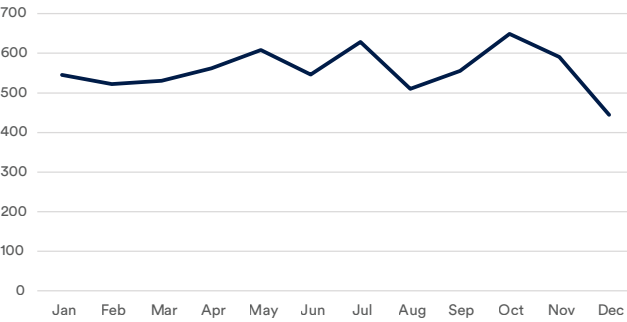
Preventive maintenance work requests

Facilities Management issued 90,658 preventative maintenance work requests in 2024.



Cost per additional work requests

The average cost per additional work request in 2024 was \$558, a reduction in \$3 per work request since 2023.



2024 review

- The Facilities Management team completed 292 Building Health Checks.
- All 160 Maintenance Refurbishment Fund projects were completed at a cost of \$5M.
- Supported merger initiatives through engagement with multiple working groups:
 - Hard and Soft Services
 - Contract Harmonisation
 - Asset Management
 - Data Centre consolidation

2025 highlight

In February 2025, Infrastructure Branch achieved certification to ISO41001:2018 Facility Management. The University of Adelaide is the first G08 university to be recognised in this way, highlighting our commitment to best practices and continuous facilities management improvement.

2025 focus

- Finalise the Reliability Based Maintenance.
- Contract tenders for AU FM Services.

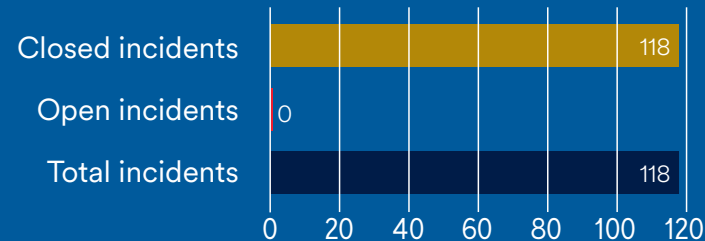
2024 Site Compliance Report

1126

Permission to Work permits issued

1 January to 31 December 2024

Division of University Operations (Infrastructure) incidents



2025 highlight

- All major Adelaide University utilities contracts signed in early 2025
- Contractor's increased compliance with WHS.
- Improvements in the online WHS permit system

Contractor safety info overview

0 Lost time injuries

3 Medical treatment

0 Notifiable to SafeWorkSA

Targets:

- High Risk Construction Activity Permit inspections
- Close out of completed permits
- Inspections of Facilities Maintenance activities

Data includes contractor incidents

2024 review

- Asbestos Management Plan revised
- Safety In Design Guideline developed
- Online HSW Site Compliance form developed

2025 focus

- Harmonisation of Permission to Work process for Adelaide University
- Increase site compliance inspections
- Continued focus on closing out Permission to Work permits and ensuring regulatory compliance.
- Harmonisation of WHS documentation specific for the new Estates and Facilities Department.

2024 Contracts Management Report

21

Service provider contracts

Negotiation of interim service provider contracts underway

Contract performance

Contract KPIs predominantly achieved*

Aggregated annual contract value

\$35.1M (total)

\$22.2M Service provider **\$12.9M** Utilities

7

Utilities contracts

Includes utilities metering services and utilities procurement agent for electricity/gas

Finance

All contracts within 2024 budget allocations.

2025 looking ahead

- Three contract extensions completed in the first half of 2025.
- Two Open Market tenders to be completed by June 2025.
- Four Joint Tenders to be conducted with UniSA on behalf of AU.
- Eight Interim Contracts to be negotiated as part of the Harmonisation Strategy with UniSA.

*KPI scores for Pest Control (57%), Water (53%), and Lifts (71%) are low due to issues with invoice processing, system management, and contract reporting, with ongoing efforts to improve performance through provider collaboration and FM team support.

Kaurna acknowledgement

We acknowledge and pay our respects to the Kaurna people, the original custodians of the Adelaide Plains and the land on which the University of Adelaide's campuses at North Terrace, Waite, and Roseworthy are built. We acknowledge the deep feelings of attachment and relationship of the Kaurna people to country and we respect and value their past, present and ongoing connection to the land and cultural beliefs. The University continues to develop respectful and reciprocal relationships with all Indigenous peoples in Australia, and with other Indigenous peoples throughout the world.

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