GOVERNMENT OF WESTERN AUSTRALIA

Australian Automation and Robotics Precinct

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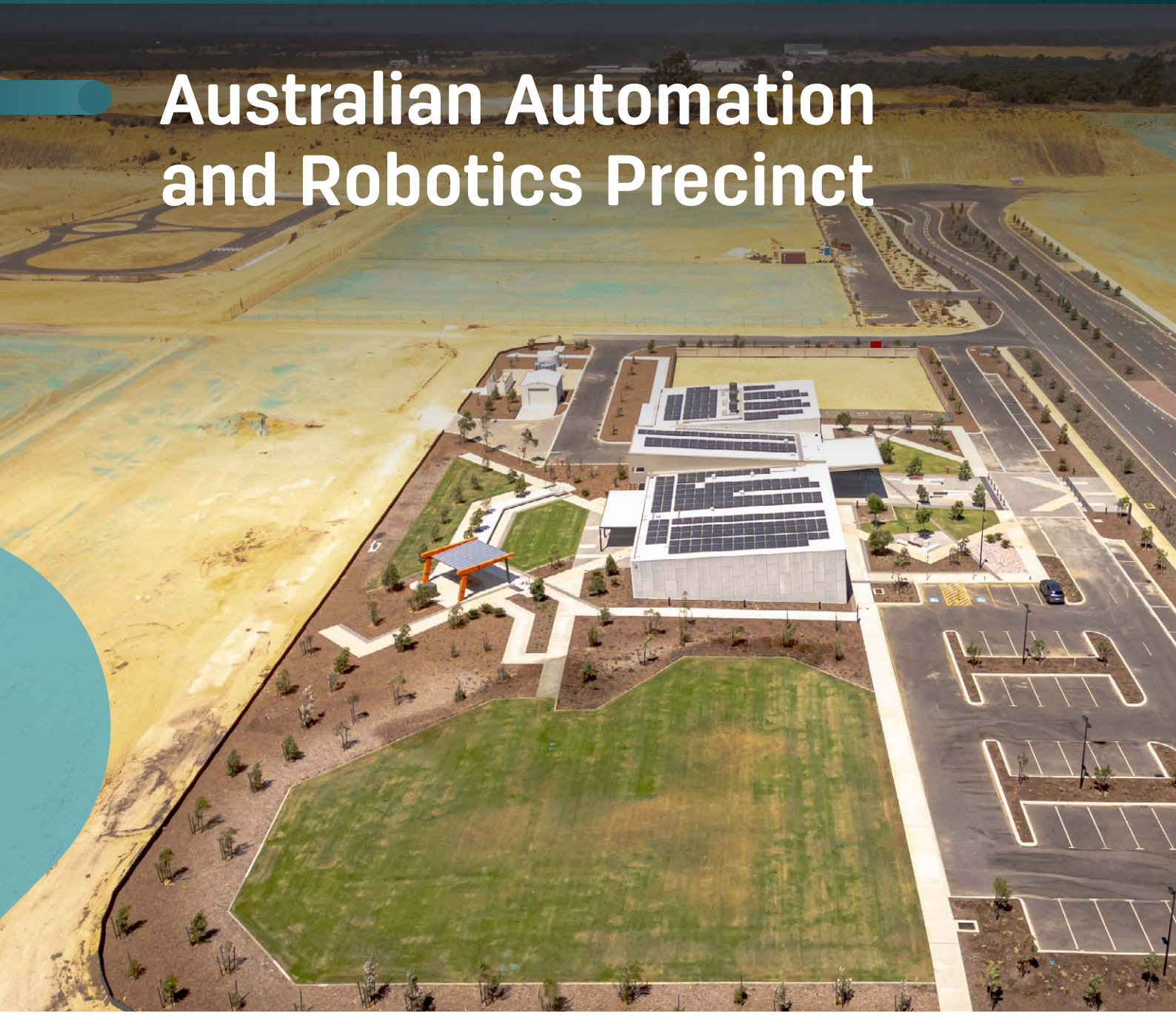


The future of automation, robotics, remote operations and zero emissions technology.

DevelopmentWA

Proudly operated by CORE INNOVATION HUB

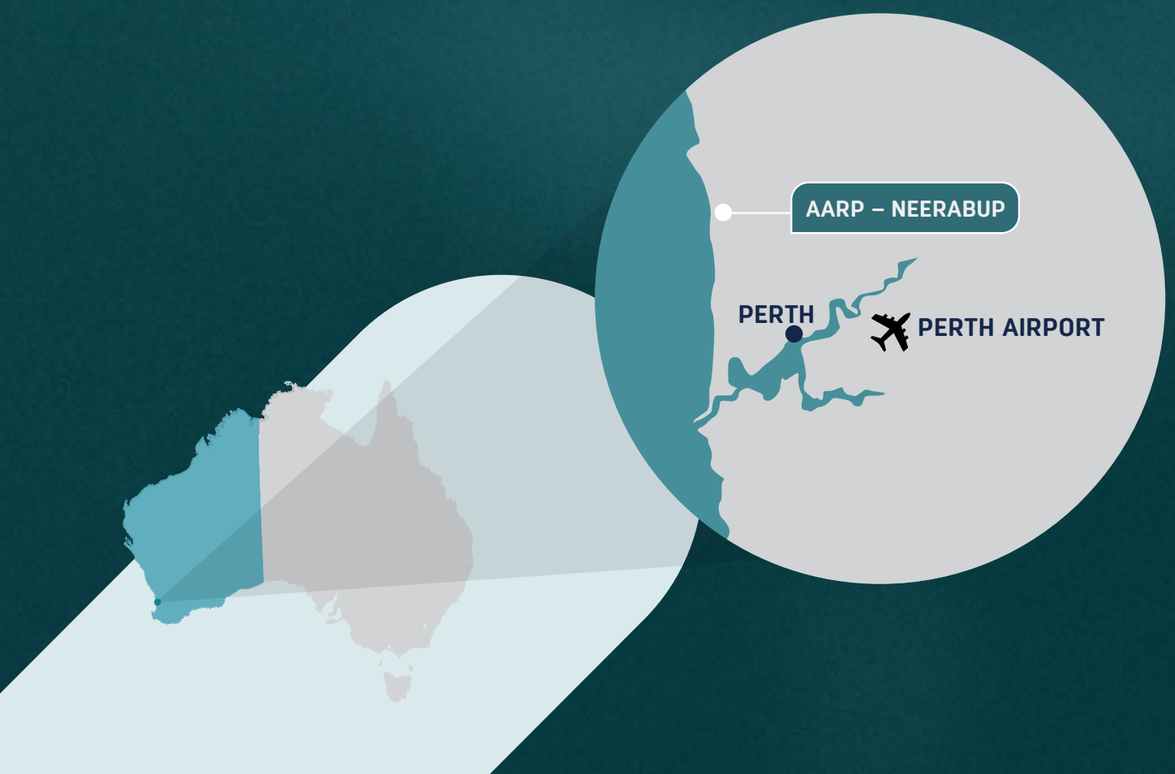
About the AARP

The Australian Automation and Robotics Precinct (AARP) is a world-leading collaborative innovation hub and Australia's largest test and development site supporting the advancement of automation, robotics, remote operations and zero emissions technologies globally.

Set on 51 hectares in the industrial suburb of Neerabup 35km north of the Perth CBD, Western Australia, the AARP is easily accessible via key transport routes and is just 50km from Perth international airport.

Automation and robotics are at the forefront of a global megatrend which is set to fundamentally transform entire sectors. Leveraging this momentum, the AARP provides purpose-built test beds that provide an innovative and flexible environment required to develop, test and showcase automation and robotics innovation and technology. In addition, the AARP features the HQ - a 1,200sqm building that provides a state-of-the-art auditorium, executive boardroom, workshop facilities, laboratories, co-working spaces and an elevated viewing platform overlooking the test beds.

As a hub for pioneering robotics and automation technology, the AARP attracts professionals from a cross section of industry, start-ups and entrepreneurs, which has created a collaborative and vibrant ecosystem.



Sectors the AARP Supports

Mining and Resources	Space	Construction
Energy	Education	Logistics
Defence	Agriculture	Advanced Manufacturing

A World-Class Facility

Develop	Advance	Engage
Test	Education	Showcase
Commercialise	Research	Collaborate

Developed and managed by DevelopmentWA, the State Government of Western Australia's land development agency, and operated by CORE Innovation Hub.





Test Beds

The AARP is one of the biggest test facilities of its kind in the world. Six large test beds are available for short or long-term lease as well as multiple leasehold lots.

Flex Zone – Test Bed 1 – 3ha

A versatile environment for technology development and collaboration. Designed to support a wide range of innovation activities, the Flex Zone provides a secure, configurable testing environment for collaborative projects, technology validation and commercial demonstrations. The gated area enables users to adapt the space to suit evolving project requirements while maintaining site security and operational control.

Ideal for:

- Early-stage technology development
- Collaborative industry projects
- Robotics and automation trials
- Equipment integration and validation
- Secure commercial demonstrations

Heavy Zone – Test Bed 2 – 6ha

Accelerating autonomous and heavy industry innovation. Purpose-built for testing large-scale autonomous and remotely controlled systems, heavy vehicles and industrial equipment, the Heavy Zone provides a spacious, controlled environment where organisations can safely validate technologies destined for mining, construction, logistics and heavy industry applications.

The bunded perimeter supports the safe operation of large equipment while enabling users to trial autonomous, remote and advanced operational technologies at scale.

Ideal for:

- Autonomous haulage and heavy vehicle testing
- Large-scale robotics and machinery
- Mining and industrial automation systems
- Equipment performance validation
- Demonstrations of heavy industry technologies

Urban Zone – Test Bed 3 – 1ha

Advancing the future of mobility and autonomous transport. The Urban Zone provides a realistic environment for testing and demonstrating autonomous passenger vehicles, urban logistics solutions and advanced transport technologies. Featuring a closed 350m asphalt circuit, the zone enables safe validation of mobility systems before deployment into operational environments.

Ideal for:

- Autonomous passenger vehicles
- Connected and intelligent transport systems
- Urban logistics and delivery technologies
- Advanced driver assistance systems (ADAS)
- Mobility safety and performance testing

New Energy Zone – Test Bed 4 - 3ha

Enabling the transition to cleaner industrial operations. The New Energy Zone supports the development, demonstration and validation of emerging energy technologies that will power the future of industry. Focused on clean technology, electrification and sustainable energy solutions, the zone provides infrastructure to support innovation in heavy industry decarbonisation. Heavy vehicle EV charging infrastructure is available within the adjacent demonstration area.

Ideal for:

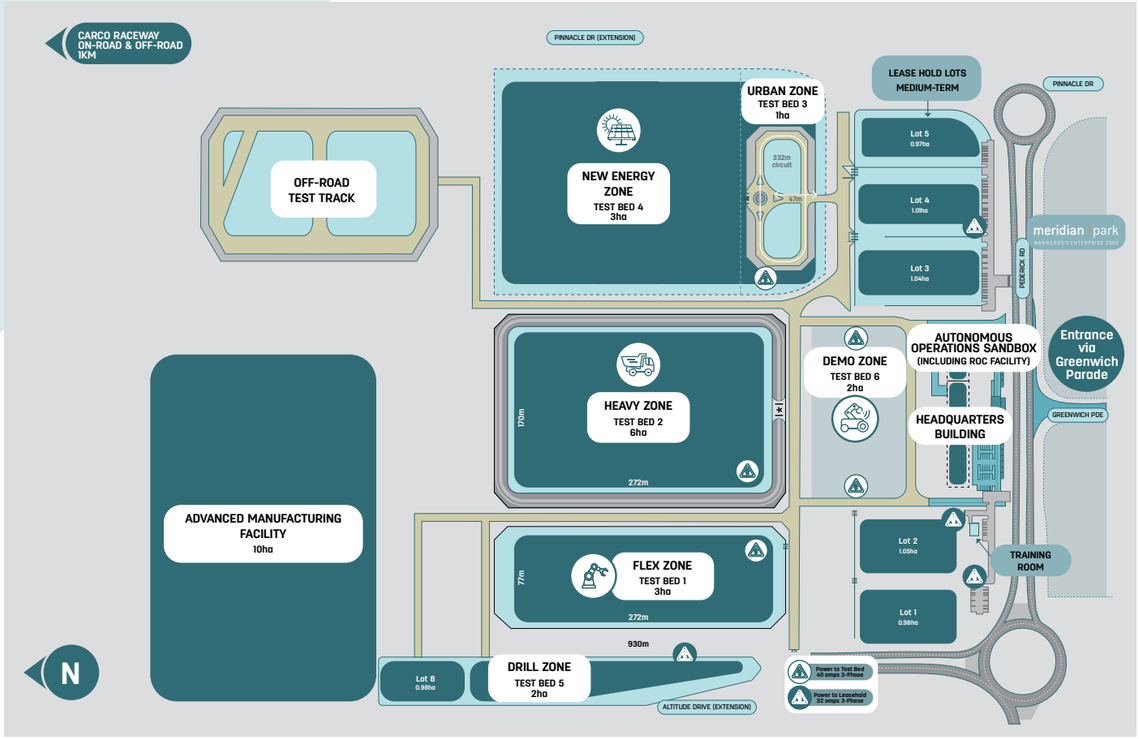
- Electrification technologies
- Clean energy and green technology solutions
- Energy storage and management systems
- Heavy vehicle charging technologies
- Decarbonisation initiatives for industry

Drill Zone – Test Bed 5 – 2ha

Supporting drilling innovation and autonomous resource technologies. The secure fenced area includes three separate drill pads - with two of these containing pre-drilled holes available for testing and demonstration activities, and one pad allocated for live drilling trials. The Zone includes power and communications infrastructure and is available as a shared access model for multiple users with approvals in place to drill up to 80m.

Ideal for:

- Drilling technology development
- Autonomous drilling systems
- Remote operations and monitoring solutions
- Mining technology demonstrations
- Training and capability development



Demo Zone – Test Bed 6 – 2ha

Showcasing innovation and connecting industry. Located adjacent to the AARP Headquarters and viewing platform, the zone supports engagement activities, technology demonstrations, and industry events that accelerate commercial adoption. Regular showcase events and open days provide opportunities to connect with industry and highlight the latest advancements in industrial automation, robotics, and autonomous systems.

Ideal for:

- Technology demonstrations
- Customer engagement activities
- Industry showcase events
- Product launches and validation
- Stakeholder and investor engagement

Remote Operations Centre (ROC) - Located within the Autonomous Operations Sandbox (AOS)

Enabling safe, scalable remote operations. The AARP's state-of-the-art Remote Operations Centre (ROC) provides a real-world environment for testing, demonstrating and training of remote operations technologies. It supports innovation across mining, energy, infrastructure and industrial sectors. The ROC supports drones, robotic systems and autonomous equipment; it enables users to validate remote monitoring, supervision and control workflows in an operational setting.

The ROC is a fully equipped operational control environment featuring operator workstations, large-format visualisation displays, communications systems, live video feeds, telemetry monitoring, data visualisation tools and remote command-and-control capabilities.

Designed to replicate a modern industrial remote operations centre, the facility enables users to safely monitor, supervise and coordinate autonomous and remotely operated systems in real time.

Capabilities include:

- Remote monitoring and control of drones and robotic systems
- Real-time operational oversight and supervision
- Communications and data visualisation systems
- Training and demonstration environment for remote operations
- Integration with AARP test beds and autonomous systems
- Support for Beyond Visual Line of Sight (BVLOS) and drone operations (subject to approvals and project requirements

Off-Road Test Track

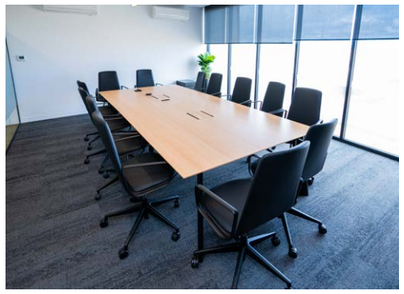
Validating performance in challenging operating conditions. Located adjacent to the Urban Zone, the Off-Road Test Track enables testing of vehicles, robotics and autonomous systems in uneven terrain and non-road environments. The track supports the development of technologies intended for mining, agriculture, defence, infrastructure and remote operations applications.

Ideal for:

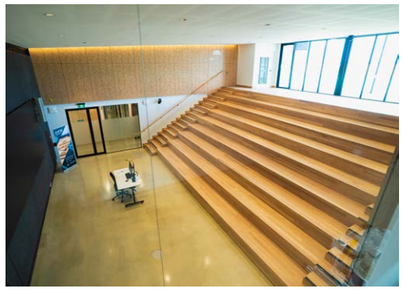
- Autonomous off-road vehicles
- Ground robotics
- Mobility and traction testing
- Remote operations technologies
- Harsh environment performance validation

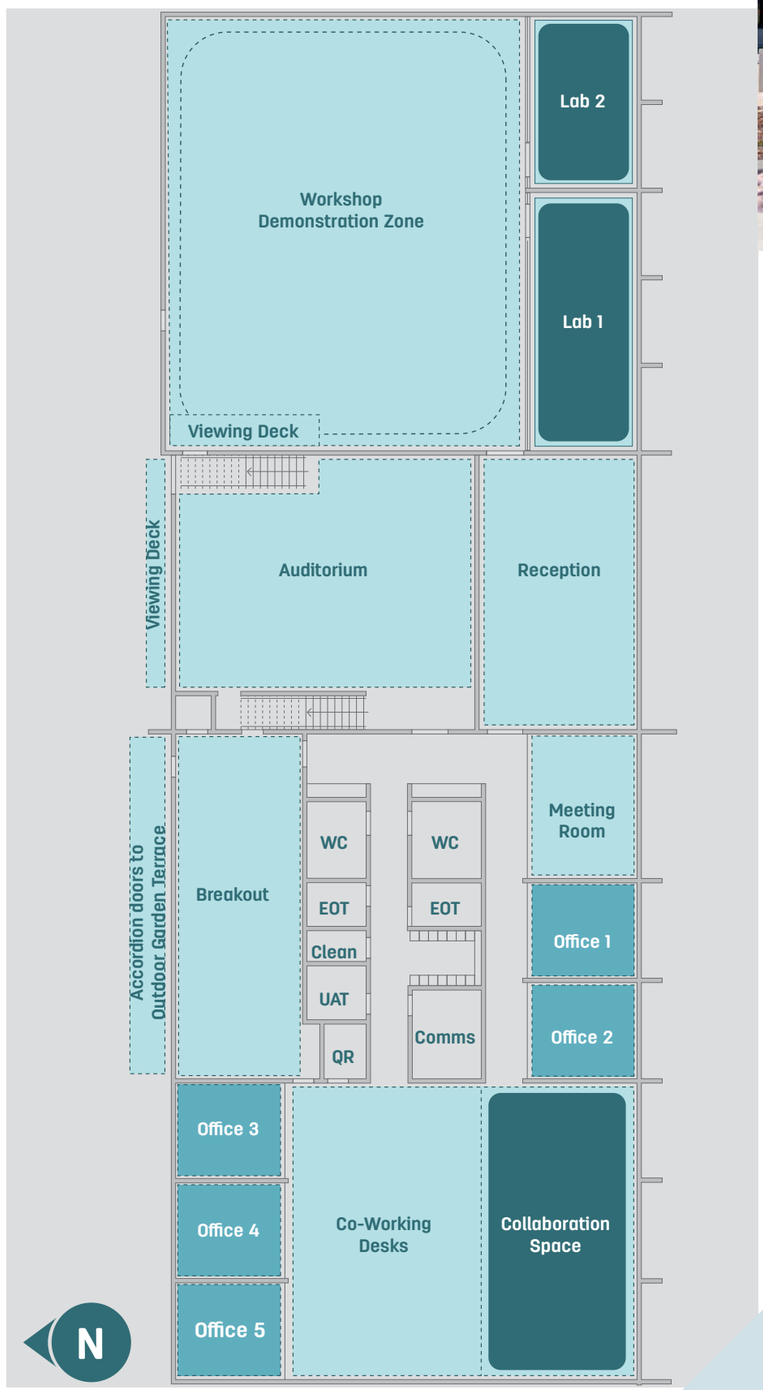
AARP Headquarters













The AARP Headquarters (HQ) is a 1,200sqm building that features a flexible and adaptable design with a range of spaces available for hire to complete your project or host any type of corporate event.

Office and Co-Working Spaces:

- Sit/stand desks and plug and play monitors
- Offices, privacy booths and a quiet room available
- Office facilities – photocopier, printer and scanner
- High-speed WIFI
- Premium kitchen appliances – barista coffee machine, fridge, microwave
- End of trip facilities
- Secure storage available
- Electric vehicle charging
- Free on-site parking
- Accessible parking, bathrooms and features.





HQ Spaces

Auditorium

Suitable for a variety of events, including presentations, panel discussions, training sessions or industry showcases.

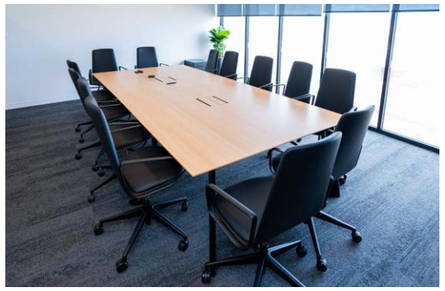
110	N/A	Y



Meeting Room

Whether you're holding a board meeting, a strategy session, or an online meeting, this room offers flexibility and functionality.

12	N/A	Y



Breakout Space + Outdoor Garden Terrace

A welcoming and informal area for teams to relax, network or host casual meetings.

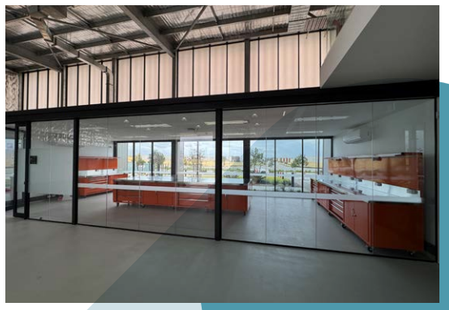
24	54	Y



Lab 1

Lab 1 RS Pro Lab (52sqm) is a cutting-edge robotics repair and automation laboratory workshop, with professional-grade tools, test equipment and consumables supplied by RS Components. It provides the practical resources needed for hands-on development, experimentation and troubleshooting.

7	20	Y



Lab 2

Lab 2 (35sqm) is ideal for applied research, technical set-up during events, small scale events or training days.

15	25	Y



Outdoor Demonstration Zone

Spanning 2 hectares, the Outdoor Demonstration Zone is a showcase area tailored for live demonstrations of heavy machinery, autonomous vehicles, drones, robotics and smart infrastructure. It can be booked in conjunction with the viewing area in the auditorium.

N/A	200+	N



Workshop Demonstration Zone

At 300sqm, our workshop is the largest single-floor space in the HQ building. It is capable of being used as an indoor demonstration zone, showcase stage, exhibition area and more.

120	200+	Y



Training Room (Located next to the HQ)

Just 150m from the HQ building, the Training Room provides a flexible, tech-equipped environment for workshops, industry accreditations and skills sessions.

20	30	Y





Test Bed Memberships

Test Beds

Access one of the six specially designed test beds for testing and development.

Private Leaseholds

Eleven private test beds are available for long term lease.

HQ Memberships

Day Pass

Book a desk as and when you need it.

Part Time Co-Working

Up to three days per week co-working and access to function rooms.

Full Time Co-Working

A dedicated co-working desk with branding and access to function rooms.

Dedicated Office Space

Base your team at the HQ in one of five four person offices.

Resident Benefits

- Monthly AARP Community Coffee and AARP Sundowner Series.
- Leverage the CORE Innovation Hub national network of Innovation Hubs and Precincts.
- Priority access to Innovation Zones at conferences across the country.
- Plug and play connectivity with full AV and VC.
- Printing and scanner facilities.
- Lockers available for hire.

AARP Start

Activating early-stage innovators with a 12-week startup support program to accelarte growth including discounted test bed access, demo and visibility opportunities and industry facilitation.

Join the Ecosystem

Connect with leaders and technologists from across the robotics, automation and zero emissions ecosystem. Our monthly event series is designed to facilitate meaningful connections, encourage collaborations and foster the sharing of ideas and insight at every stage of business.

BrewHub and Connect Morning Tea

Our monthly morning tea style event is a great opportunity to meet and connect with AARP Users, discover more about the projects being developed on site and connect with the broader robotics innovation ecosystem.

Bots and Bevs Sundowner

Join us at a monthly sundowner event to learn more about the technology and innovation shaping the robotics and automation industry, how it is being applied and the opportunities and challenges facing the industry of tomorrow. Hear from industry and thought leaders in dynamic panel style discussions and network with the broader innovators from across the ecosystem.

Find out about upcoming events here





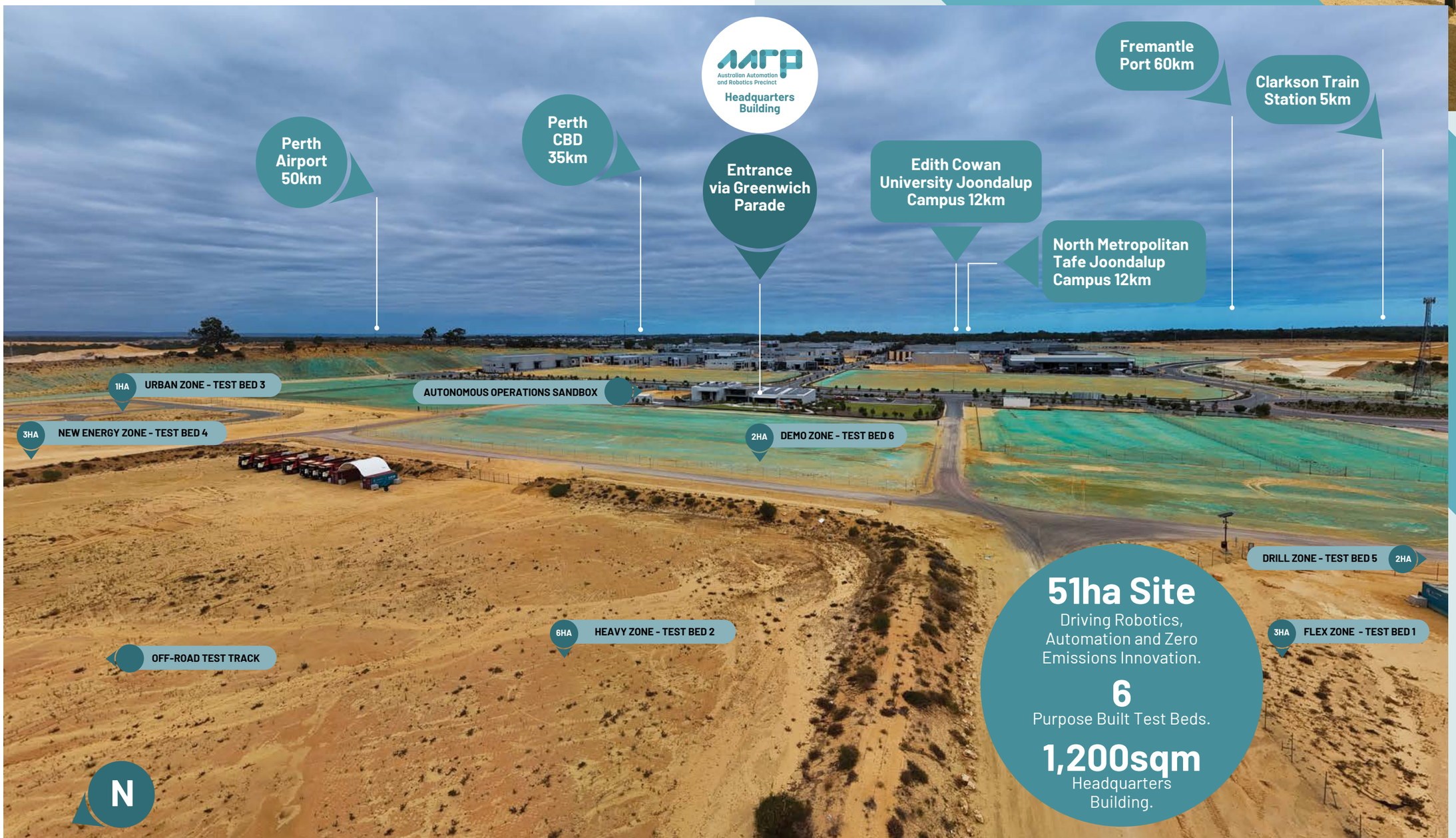
Centrally located to connect and collaborate

The AARP brings together leaders in the field of automation and robotics and serves as a development and testing ground to help accelerate the adoption and implementation of technology. The full suite of facilities are easily accessible by road, rail or air in a globally linked location.

The purpose-built 51 hectares offers users the opportunity to accelerate technology and analytics testing and scaling, without interrupting on-site production and activities, reducing both costs and time.









Case Study: IMDEX

IMDEX, the AARP's first major industry partner, is an ASX-listed leading global mining technology company that enables drilling contractors and resource companies to safely find, define and mine orebodies with precision and at speed. The company is headquartered in Perth and operates in all the world's key mining regions.

IMDEX is using the AARP to accelerate testing and development of its multi-sensor drill system and other technologies developed in Western Australia and designed for use in global mining operations. The IMDEX team at the AARP has built a Drill Pad which it will use and maintain as common user infrastructure within the precinct's Dirt Lab (Test Bed 5), offering testing and collaboration opportunities for other users.

"While we operate globally and have an unrivalled presence on all major mining operations, WA is home to some of the world's major mining companies so having the opportunity to develop and promote our technology locally at the AARP is an additional benefit. We have been testing a range of IMDEX tools and technology developed by our research and development team here."

Paul House, CEO, IMDEX



Case Study: Australian Flow Batteries

Australian Flow Batteries (AFB) is pioneering clean energy solutions with its Hybrid Diesel Replacement System, which combines retractable solar arrays and Vanadium Redox Flow Batteries (VRFBs) to deliver reliable, sustainable power for remote operations.

Partnering with NTRO and the AARP, AFB is demonstrating their system's ability to significantly reduce diesel dependency in challenging environments, such as remote communities, defence operations, disaster response, and industrial applications.

AFB faced challenges in validating their system due to limited outdoor space at their Bibra Lake headquarters. Utilising AARP's Flex Zone Test Bed and Laydown Lots, they have been able to conduct comprehensive testing, including commissioning the VRFB in outdoor environments and operational testing across 24-hour cycles ensuring reliability before deployment in real-world settings.

"The AARP has been transformational for our technology validation process. Having access to a dedicated testing environment that replicates real-world conditions, without the constraints and risks of testing at active operational sites has accelerated our development timeline significantly."

Shane Meotti, Managing Director, Australian Flow Batteries

GOVERNMENT OF WESTERN AUSTRALIA

Australian Automation and Robotics Precinct

AARP Partners

IMDEX™

City of Wanneroo

City of Joondalup

RS

AROSE

ROBOTICS AUSTRALIA GROUP

amira

Australian Automation and Robotics Precinct

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We welcome enquiries for bookings and tours Monday to Friday 9am to 5pm.

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