

Australian Automation and Robotics Precinct



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

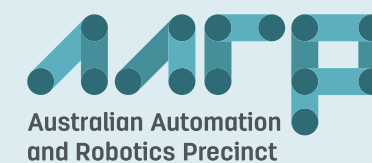
About AARP

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.

Strategically located just 35km north of Perth, Western Australia and just 30mins drive from the CBD, the AARP provides a unique and accessible testing environment, developed and managed by DevelopmentWA – the State Government of Western Australia's land development agency, and operated by CORE Innovation Hub.



Proudly operated by



Cross-sector Innovation Ecosystem

A dynamic, collaborative, accessible and global robotics and automation precinct with the largest test beds in Australia, and supported by a vibrant, cross-sector innovation ecosystem.

Mining and Resources

Space

Construction

Energy

Education

Logistics

Defence

Agriculture

Advanced Manufacturing

Empowering Robotics and Automation Technology Development

Develop

Advance

Engage

Test

Education

Showcase

Commercialise

Research

Collaborate

RCT Global - Case Study

RCT Global is a global leader in smart technology enablers, specialising in machine automation and control, data and information and protection solutions for surface and underground mining and the industrial sector.

At AARP over an annual term, the RCT team is testing and developing products to ensure they can continue to evolve cutting-edge digital technology solutions to transform their customers' operations for a safer and smarter future.

“The ability to access the testing facilities is going to be fantastic for us. It really hastens that development cycle, particularly the people that are working in the backend who can get onto the machines and see its application. For us, being able to rapidly test and iterate at a site like this, 30mins from our [head] office, is important. It is not always easy to get on a mine site. Being able to see first-hand what else is coming through the industry development pipeline, and potentially for new projects as well, can open up collaboration opportunities.”

Brendon Cullen, Head of Product Management,
RCT Global





Connect and Collaborate at the AARP

Programs and events designed to support start-ups and scale-ups gain traction while creating meaningful industry links with innovators.

AARP Start

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

AARP Event Series

The AARP Event Series, Community Coffee and Sundowner Series, will bring together thought leaders and industry professionals each month to discuss real-world challenges and use cases where innovation in robotics and AI can provide solutions.

Memberships

Day Pass

Book a desk as and when you need

Part Time Co-Working

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

Full Time Co-Working

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

Dedicated Office Space

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

Test Beds

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

Private Leaseholds

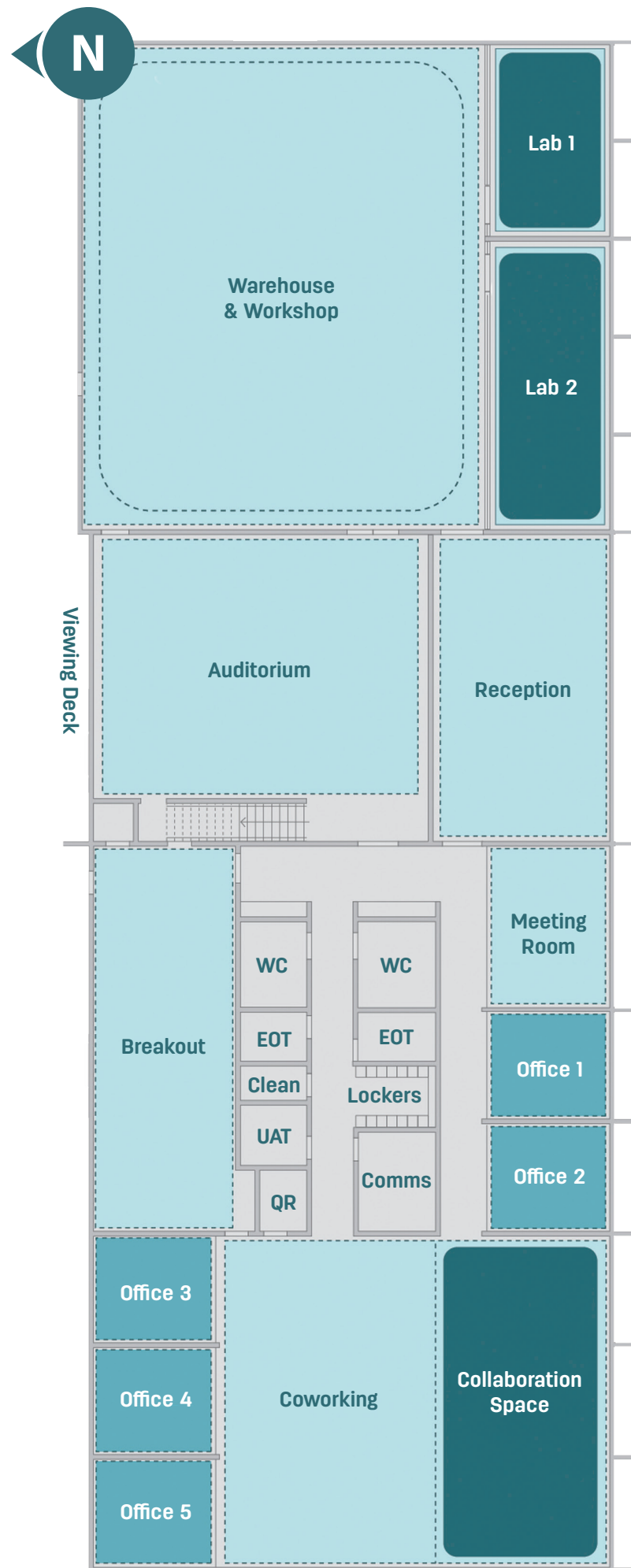
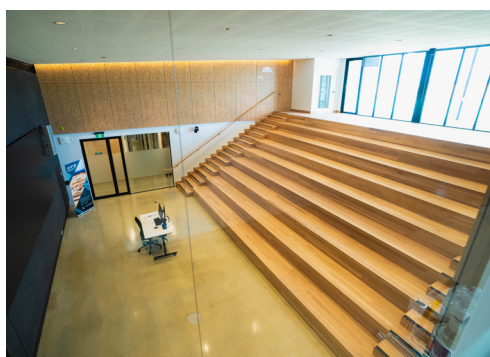
Eleven private test beds available for long term development



Enable your technology at the Australian Automation and Robotics Precinct

- Australia's largest testing and development facility
- Innovation infrastructure to advance robotics development without interrupting site operations
- Fully equipped headquarters aimed to drive collaboration and innovation
- Offices, co-working, meeting space, warehousing and state-of-the-art auditorium for events, training and demonstrations
- 51ha purpose-built site for industrial scale robotics and automation technology
- Located just 35kms north of Perth

AARP Headquarters





Benefits

Headquarters

- State of the art premises designed by award-winning architects Zuideveld Marchant Hur Architects and built by Devlyn Construction
- Fully furnished space with sit stand desks and monitors for plug and play connectivity
- Co-working space (22 desks, 2 x phone booths)
- 4 person fully equipped private offices
- Power, water, security, cleaning and maintenance all included
- Keyless entry to the Hub
- High speed WiFi
- Mailbox handling and distribution
- Fully stocked kitchen with coffee and instant hot and cold filtered water
- Landscaped areas including grassed amphitheatre
- Warehouse (caged storage with racks, 200ml reinforced slab 2 x (dry) labs, warehouse door 5m high x 4.5 wide)
- Viewing Deck out to test beds

Collaboration

- 1 x 12 person Meeting Room with AV and whiteboard
- Dedicated event spaces and up to 90-person Training Room
- Quiet Rooms
- Collaboration Space
- Reception area to greet visitors

Location

- 35km from Perth CBD
- Free car parking on site
- End of Trip Facilities
- Discounted access to other local meeting room and event spaces

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





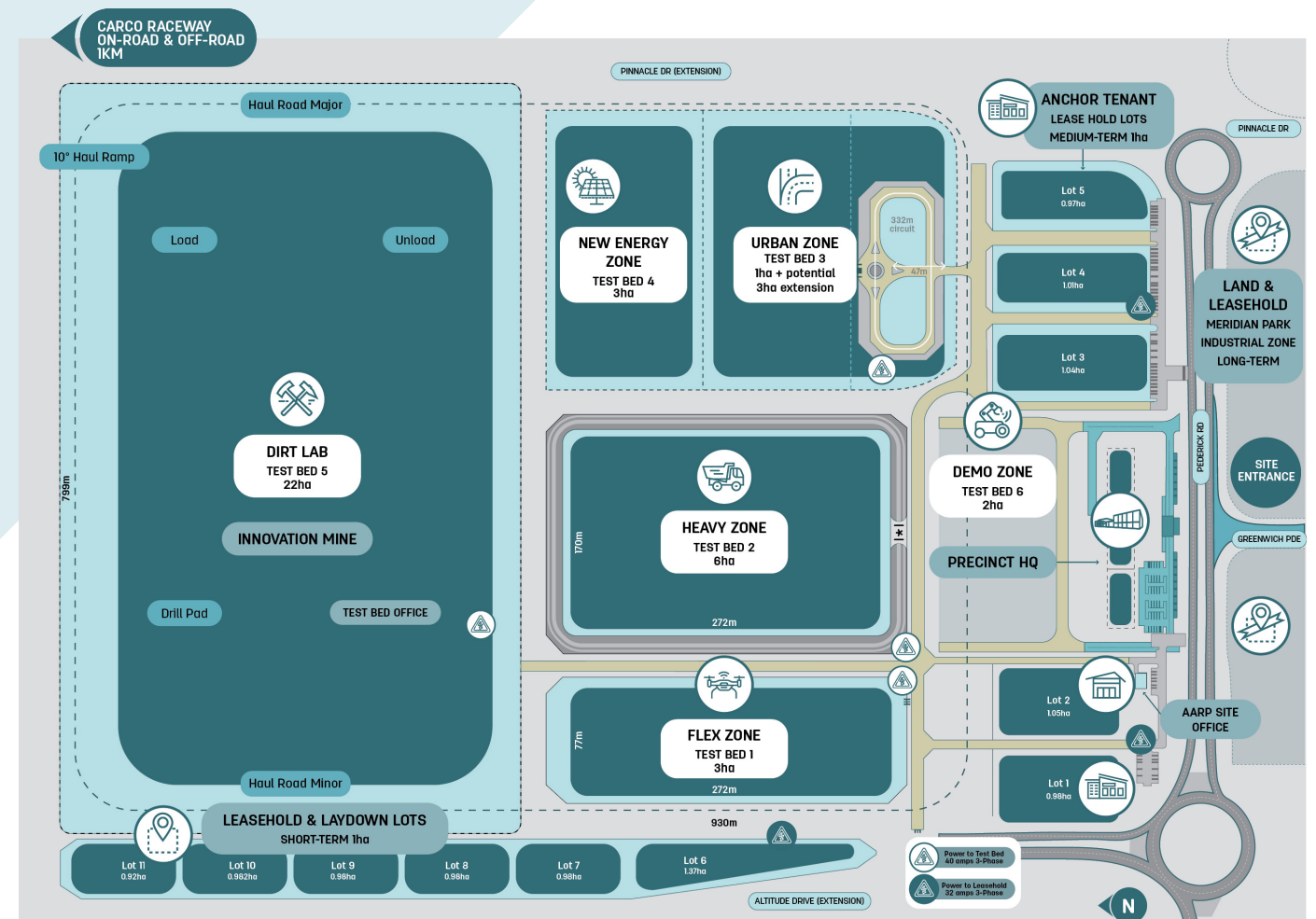
IMDEX - Case Study

IMDEX, the Precinct'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 will use the purpose-built precinct 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 Innovation Mine, 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 is an additional benefit. We have plans for testing a range of IMDEX tools and technology developed by our research and development team here.”

Paul House, CEO, IMDEX



Test Beds

The AARP is made up of 51 hectares of dedicated land enabling companies from around the world to run real-life simulations on large test beds, without impacting their current operations. Multiple sites are available for real-world simulated testing including:



Flex Zone - Test Bed 1

Where innovation and collaboration meet: Push the boundaries of innovation in this 3ha (272m x 77m) test area with a customisable, gated area and access control and security for collaborative and commercial projects.



Heavy Zone - Test Bed 2

Developing the world's largest robots and autonomous vehicles: Powering the future of heavy industry with a 6ha (272m x 170m) open area, with banded perimeter for safe testing of heavy vehicles and large-scale equipment.



Urban Zone - Test Bed 3

Pioneering the future of mobility: Accelerate the pace of urban and light industrial mobility and safety, on this 1ha (40m x 120m) closed test track, with a 350m asphalt circuit ideal for testing and demonstrating autonomous passenger and light vehicles, and urban logistics systems and transport solutions.



New Energy Zone - Test Bed 4

Powering innovation for a sustainable future: A 6ha zone dedicated to testing and development of new energy systems to power heavy industries. Facilities and infrastructure include a solar array installation and maintenance area and EV charging Infrastructure.



Dirt Lab - Test Bed 5

Your innovation mine: Accelerate innovation in real-world conditions, without the obstacles of accessing a production environment, at this 22ha small-scale replica of a mine site.



Demo Zone - Test Bed 6

Showcase and connect: A 2ha technology showcase area next to the AARP Headquarters and site viewing platform. Engage industry customers and stakeholders around the latest industrial automation and robotics solutions.



Fugro Local Operations Centre - Test Bed 7

A state-of-the-art Local Operations Centre (LOC) has been provided by global Geo-data company Fugro. AARP users can access the LOC for their testing, demonstration and training activities in a real-world remote operations environment.

Centrally located to connect and collaborate

Australia is already known worldwide for its early application of industrial robotics and automation technology, particularly across its vast mining and resources sector. The AARP capitalises on the rapid adoption of these new technologies, and enables the development of new technology to empower the industries of tomorrow.

Strategically located just 35km north of Perth, Western Australia and just 30mins drive from the CBD, the AARP provides companies across a range of industries ready access to facilities and an ecosystem to accelerate commercial advantage, including a supportive environment and tools and training necessary to develop, test and showcase robotics and automation products and processes.

“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. Globally linked and locally relevant, AARP provides access to test laboratories, virtual laboratories and design co-labs, and offer users and researchers the opportunity to accelerate technology and analytics testing and scaling, without interrupting on-site production and activities.”

DevelopmentWA



AARP
Australian Automation
and Robotics Precinct

Home of Robotics and Automation Testing in Australia

Automation and robotics is at the forefront of a global megatrend that is set to fundamentally transform entire sectors and economies.

Australia is a world leader in the application of industrial robotics and automation technology. The Pilbara region of Western Australia is home to almost 75% of the autonomous trucks operating globally and the world's largest and longest autonomous trains hauling iron ore from pits to ports.

Leveraging this momentum, the AARP provides companies from diverse industries with seamless access to an innovative environment, essential tools, and comprehensive training required to develop, test, and showcase automation and robotics products and processes.

Designed with flexibility in mind and driven by industry, the AARP offers a world-class testing facility, with opportunities for autonomous haulage, field robotics, and interoperability among autonomous systems and more.

With its role as a launchpad across sectors for automation and robotics capability, and remote operations and zero emissions technology, the AARP engages users to build on strengths in the mining, resources, and oil and gas sectors, and extend into new energies, space, defence, agriculture, construction, education, logistics, and manufacturing.

We engage with industry and innovators to utilise and partner with the Precinct, and to play a pivotal role in its activation. We invite you to join us.



Operated by CORE Innovation Hub

The Precinct is operated by CORE Innovation Hub. CORE established the first of its kind, national ecosystem for entrepreneurs, industry, suppliers, researchers and government to connect and collaborate on innovative solutions across the mining, resources, energy, defence and space sectors.

CORE provides a platform that enables innovative companies with advanced technology solutions to solve critical challenges, flourish in their respective sector and help strengthen Australia's role as a global resources technology leader.

With a network of hubs in Perth, Adelaide, a regional hub in Newman in Western Australia, and operators of the Rail Collaboration Centre, CORE supports a national ecosystem, with continued expansion plans across Australia.

CORE is committed to fostering a thriving ecosystem across Australia, helping to drive technology and innovation towards a safe and sustainable future for the industry. The inclusion of the Australian Automation and Robotics Precinct within this network opens up new cross-sector opportunities for technology development and advancement, connecting innovation infrastructure across Australia.

AARP Partners



AROSE



Join the future of robotics
and automation today



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