



WESTERN AUSTRALIA'S

SCIENCE AND INNOVATION PRECINCTS

PROSPECTUS 2023



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FOREWORDS

WESTERN AUSTRALIA'S BURGEONING LIFE SCIENCES INDUSTRY AND OUR ACHIEVEMENTS IN ROBOTIC ADVANCEMENTS ARE GOING FROM STRENGTH TO STRENGTH AND ARE RECOGNISED GLOBALLY.

These achievements do not take place without people and collaboration.

The Cook Government is committed to maintaining our State's momentum across science and innovation and has launched a range of different strategies and programs to support and enable all industry stakeholders to work closely together.

This new Science and Innovation Precincts Prospectus is another platform to keep moving forward. The prospectus highlights the many current and emerging clusters of capability and opportunity that are happening across our State.

Established precincts include the Bentley Technology Park - home to innovative institutions such as the Pawsey Supercomputing Research Centre and CSIRO.

These important precincts bridge private and public sector initiatives, alongside our world-class Nedlands Medical and Health Precinct and the Murdoch Health and Knowledge Precinct.

Emerging precincts include Midland, a key centre for multiple varied trades such as railcar manufacturing and the forensic sciences and pathology sector.

These innovation clusters extend well beyond the Perth metropolitan area and into the State's unique regions which present a different range of opportunities.

The Peel Region is home to the Food Innovation Precinct, while the Goldfields-Esperance region is home to mining and resources led innovation, including the energy transition sector.

Unlocking strategically-located industrial lands, capturing the benefits of clustering complementary businesses and encouraging all stakeholders to work together will help Western Australians benefit from the enormous future growth opportunities facing the State.



**Hon Stephen Dawson,
Minister for Emergency Services;
Innovation and the Digital Economy;
Science; Medical Research; Minister
Assisting the Minister for State and
Industry Development, Jobs and Trade**

WESTERN AUSTRALIA IS CONTINUING ITS REMARKABLE RISE IN INNOVATION.

The expansion of the local ecosystem has been fuelled by strong research institutions in our State, a manufacturing capability that is competitive globally and a highly skilled workforce.

Our five universities, as well as the vocational, education and training system, plus innovation accelerators, co-working spaces and incubators are bolstering the move to a more diversified economy.

Our globally-recognised capabilities in research and innovation have been supported by the emergence of excellent companies based in this State.

Science and innovation relies on “bright people who come up with bright ideas,” working collaboratively in centres of excellence.

These precincts cover a range of industries, from traditional areas in energy, mining and defence to emerging industries such as space, marine science, medtech and the creative sector.

The success of the precincts highlights the value of engaging with partners and stakeholders, a theme highlighted in the recent Innovation Strategy. Continuing along this path will allow the State to turn our comparative advantages into high-quality jobs and greater investment, which will benefit the community as a whole.



**Professor Peter Klinken AC,
Chief Scientist of Western Australia**

INTRODUCTION

WESTERN AUSTRALIA HAS ALWAYS MADE ITS OWN LUCK.

WE ARE FORTUNATE TO HAVE A STATE WITH ABUNDANT RESOURCES, BUT OUR REAL STRENGTH LIES IN BEING ABLE TO CAPITALISE ON THOSE NATURAL ADVANTAGES, CONNECTING BUSINESS AND BUILDING NEW OPPORTUNITIES THROUGH INNOVATION.

We have seen this process occur time and again across the industries that drive WA's economy.

From established and thriving sectors such as resources, manufacturing and agriculture, to emerging fields in life sciences, space and robotics, we have seen the value of bringing together different participants in the market.

The critical mass that builds around a cluster of companies with a similar focus, but different strengths, creates its own momentum, attracting investment and talent.

This prospectus showcases more than a dozen of these clusters, more properly known as Science and Innovation Precincts, within the greater Perth and Peel region.

We also look to the regions, to consider those locations that are attracting innovation-led investment, and to the enabling organisations that are supporting smaller business in diversifying our economy.

In each location, we see the value that can be created when an Innovation Precinct has the physical assets needed to support diverse industry clusters, the economic assets needed to attract funding, investment and support, and the networking assets that allow for knowledge transfer and innovation.

DevelopmentWA has been proud to be a lead partner in the development of many of these Science and Innovation Precincts, providing both strategic vision and technical expertise in their development, and ensuring the timely release of land suitable for investment and jobs.

Through the Industrial Lands Authority, we are at the centre of the effort to grow and diversify our economy, with a pipeline of land to meet the needs of industry – today and into the future.

Developed in line with Western Australia's 'Future State: Accelerating Diversify WA' plan, this prospectus will provide you with more information on our established and emerging precincts, the industries that have formed collaborative networks and found common ground in these areas, and opportunities we see for additional development and growth.

We welcome your interest and feedback on the opportunities ahead.

EXECUTIVE SUMMARY

WESTERN AUSTRALIA IS IDEALLY POSITIONED FOR INNOVATION THAT WILL SHAPE THE NEXT CENTURY.

With a strong economy, highly skilled workforce, and pipeline of large-scale investment, the State has a unique opportunity to enable and provide for the industries that will drive change and growth.

This vision is articulated in the State's economic development framework, Diversify WA, which identifies priority sectors for strategic development that match Western Australia's unique strengths with global trends to achieve growth across the economy. Priority sectors include energy; tourism, events and creative industries; international education; defence industries; mining and mining equipment, technology and services (METS); space industries; health and medical life sciences; and primary industries.

The framework recognises the importance of activities that will improve value and productivity across multiple sectors of the economy, including science, innovation and technology. The significance of innovation as a vital economic enabler is further emphasised in the recently released Western Australian Innovation Strategy, which sets out a vision for Western Australia to become a world leader in innovation and

identifies the important role of precincts in supporting the innovation ecosystem. Science and Innovation Precincts play a critical role in fostering innovation and supporting the Government's broader objectives of a strong, resilient and diversified economy.

But to deliver on this vision, it is important to have suitable land, facilities and infrastructure that can allow industries, companies, institutions and new entrants to collaborate and connect.

DevelopmentWA is the WA Government's land development agency, and through the Industrial Lands Authority (ILA), we ensure there is a pipeline of land that meets the demand of buyers, developers and investors.

Our work includes removing barriers to land development and investment, streamlining the development approval process, facilitating innovation through the provision of common user facilities, and integrating industrial land with other key infrastructure.

We additionally support the development of Science and Innovation Precincts, which have become a feature of the global race to attract, foster and develop innovative industries.

We work closely with stakeholders and other agencies to align our activity with the State's policies to support investment and drive economic development.

As innovation works best when great minds combine, our Science and Innovation Precincts are built to encourage connections and foster collaboration.

This prospectus provides detail on our work supporting established and emerging Science and Innovation Precincts in Western Australia, with examples of the multidisciplinary, collaborative work that is taking place.

We outline the industries where the State has significant strengths and highlight areas where we believe there is opportunity for future growth.

With the delivery of sustainable, flexible and future-ready Science and Innovation Precincts, we are proud to support the Western Australian Government's focus on delivering an innovative future for WA.



1.0

STATE OF INNOVATION

INNOVATION IS NOT A DESTINATION – IT IS A JOURNEY.

It is a process spurred by creativity and determination, fed by access to talent and resources, and guided by the goals of today and needs of tomorrow.

For Western Australia – a State with a prosperous economy, abundant natural resources, and a highly educated and mobile workforce – innovation is embedded across the economic landscape.

From its world-leading role in supporting autonomous and remote operations, to its strengths in marine industries and the blue economy, to its emerging importance in the exploration and commercialisation of space, Western Australia is ideally positioned for innovation that will shape the next century.

To seize these opportunities, it is important to have suitable land, facilities and infrastructure that can enable industries, companies, institutions and new entrants to collaborate and connect.

DEVELOPMENTWA IS THE STATE GOVERNMENT'S DEVELOPMENT AGENCY, OPERATING ACROSS WESTERN AUSTRALIA WITH A DIVERSE PORTFOLIO OF INDUSTRIAL, RESIDENTIAL AND REDEVELOPMENT PROJECTS.

Our remit includes unlocking land for prosperous industry and supporting economic development and job creation for resilient regions.

Through the Industrial Lands Authority (ILA), we work to ensure there is a pipeline of land that meets the demand of buyers, developers and investors, by:

- Removing barriers to land development and investment.
- Streamlining the development approval processes.
- Facilitating innovation.
- Integrating industrial land with key infrastructure and transport routes.
- Working collaboratively and supporting others to attract and develop industry sectors.

In this prospectus, we provide a guide to the existing and emerging Science and Innovation Precincts in Western Australia where we are working in partnership with investors and local, state and Australian Government agencies to celebrate opportunity.



WHAT IS A SCIENCE AND INNOVATION PRECINCT?

Science and Innovation Precincts, sometimes known as innovation districts, have become a feature of the global race to attract, foster and develop innovative industries.

As governments recognise the value of clustering and co-locating businesses and institutions with complementary goals, they increasingly see Science and Innovation Precincts as a way to advance the economic and innovative prosperity of cities and regions.

The simplest definition of a Science and Innovation Precinct is that of a physical space or area that brings together occupants, tenants, residents and stakeholders, leveraging proximity, density and vibrancy to spur innovation.

With the right strategy, mix of occupants, and supporting infrastructure, Science and Innovation Precincts facilitate the creation and commercialisation of ideas and innovation while also delivering economic and social outcomes for the community.

Although some precincts have grown organically, it's recognised that there are core elements that optimise their success.

For this reason, we take a strategic approach to the development of Science and Innovation Precincts in Western Australia, working closely with stakeholders and other agencies, to align activity with other State policies to support investment, develop new industries, and foster economic development.

WHAT MAKES A SCIENCE AND INNOVATION PRECINCT WORK?

A truly successful Science and Innovation Precinct requires a combination of economic assets, physical assets and networking (human capital and enterprise) assets.

Economic Assets

Economic assets provide access to the innovation drivers for a precinct. These include the large institutions and corporates that invest in research and development, universities or advanced education facilities, and smaller organisations that can support entrepreneurs, such as incubators or accelerators. At a wider level, economic assets include the businesses that enable a precinct to function well, from cafés and supermarkets to local accountants or specialists in intellectual property or trademark law.

Physical Assets

Physical assets represent the spaces that allow innovation to take place – whether that is common user infrastructure such as a wet lab or a prototype factory, an office complex or co-working hub. They also include spaces in the public domain, such as parks, plazas and common areas, as well as the physical assets that anchor and link a precinct, such as footpaths for walkability and public transport links for connectivity.

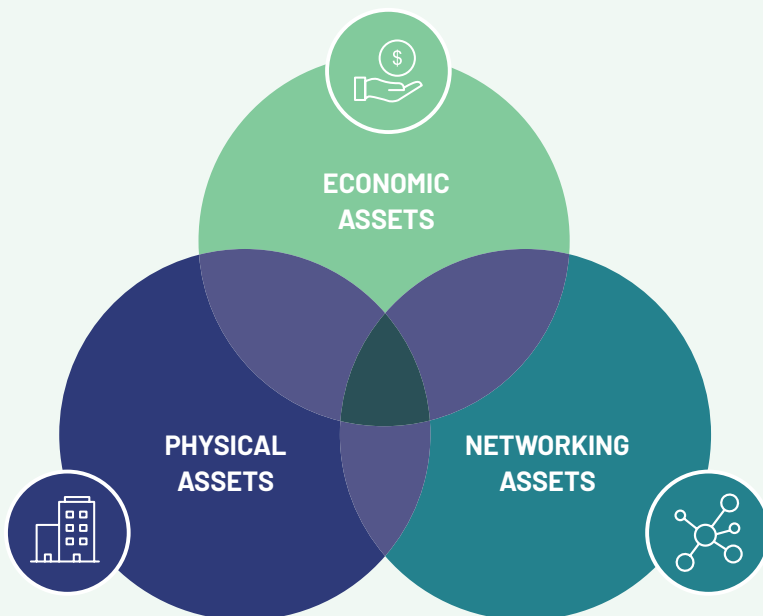
Networking Assets

Networking assets are perhaps the most challenging element to create within a precinct but remain critical for success. They include both physical networking spaces where businesses can showcase and demonstrate innovation, as well the intangible social networks that underpin such engagement, such as communities of practice that might stage events or a culture of networking that encourages the informal exchange of ideas.



Australian Automation and Robotics Precinct, Neerabup

Figure 1: In its analysis of innovation districts, the respected Brookings Institution considers the most successful innovation districts to be those that combine economic, physical and networking assets.



WHY DO SCIENCE AND INNOVATION PRECINCTS MATTER?

The complexity of global challenges requires a multidisciplinary, collaborative response.

Increasingly, innovation is understood to be the work of many, with outcomes and solutions optimised when there is a diversity of perspectives involved.

Innovation precincts support the collaboration needed to address complex problems, by enabling knowledge sharing and the exchange of ideas, and creating innovative ecosystems that can grow over time.

For complex challenges and wicked problems such as climate change, Science and Innovation Precincts can help bring together champions, policy makers, innovators and change agents to support the transition to net zero.

These precincts can also deliver economic and social benefits for their communities. They become highly sought-after places to work, provide an opportunity for sustainable local employment, and can support the advancement of education, as well as improve diversity and inclusion.



Legend

- Joondalup/Butler Line
- Midland Line
- Fremantle Line
- Armadale/Thornlie Lines
- Mandurah Line
- Joondalup/Butler Line Extension
- Midland Line Extension
- Armadale/Thornlie Lines Extensions
- Freeways
- Existing Innovation Hubs
- Emerging Innovation Hubs
- ✈ Airport
- ⚓ Port
- 🎓 Universities
- 🏠 TafeWA Campus



2.0

TOGETHER FOR THE FUTURE

INNOVATION WORKS BEST WHEN GREAT MINDS COMBINE
AND OUR SCIENCE AND INNOVATION PRECINCTS ARE
BUILT TO HELP PEOPLE CONNECT AND COLLABORATE.

CLUSTERS AND CONVERGENCE

Providing an opportunity for companies, institutions and organisations to cluster in close proximity makes it easier for collaboration to take place.

This can include supporting the development of facilities and zones where similar or complementary interests converge, or where different stakeholders in the innovation ecosystem can co-locate.

For example, WA's two main health and life sciences precincts each feature a tertiary hospital, a university, and a range of medical and research institutions who benefit from the convergence of interests, investment, common facilities and local amenity.

POLICY AND PROGRAMS

The Western Australian State Government has a clear, strategic vision to expedite the development and growth of Science and Innovation Precincts through the '[Innovation Strategy Western Australia - the place to innovate](#)'. Published in December 2022, the Strategy outlines our 10-year plan to establish WA as a global hub of invention, investment, innovation and impact.

DevelopmentWA plays a vital role within Western Australia in helping to deliver land for industrial and technological use, by assembling appropriate parcels for development, simplifying the planning, rezoning and infrastructure approval process, and derisking the opportunity for investment.

PUBLIC AND PRIVATE

Successful partnerships between the public and private sector, and with third-sector groups such as universities

and not-for-profits, help create the critical mass of activity needed to underpin a successful innovation precinct.

These partnerships give investors long-term planning certainty, while also supporting the economic and social objectives of governments and the community.

RESEARCH AND REACH

Universities, advanced training facilities and research institutions frequently act as the cornerstone occupants of Science and Innovation Precincts, helping to provide a pipeline of talent for precinct employers and engaging in the upskilling and professional development of a highly skilled workforce.

The presence of higher education institutions can unlock access to research and development for other participants, while facilitated engagement with the private sector can expedite the commercialisation of ideas.

Case Study 1

Global Advanced Industries Hub

The Western Australian Government has committed to positioning the Western Trade Coast as a global advanced industries hub, and an investment and trade destination for new and emerging industries. The Western Trade Coast is a major industrial complex in Perth's south metropolitan area and includes the Australian Marine Complex, Kwinana Strategic Industrial Area, Rockingham Industry Zone and Latitude 32 Industry Zone. The Western Trade Coast will become even more significant with the progress of Westport, Western Australia's new container port at Kwinana.

FUNCTIONAL ELEMENTS OF CLUSTERS:

INCUBATOR OR INNOVATION CENTRE

Access to academic expertise

Business mentors

Networking

Workshops in innovation -to-commercialisation

Short-term accommodation

COLLABORATIVE WORK SPACE

Shared office accommodation

Start-up businesses with minimal need for specialist equipment typically for digital IT and app development

COMMON USER FACILITIES

Pilot plants

Technology platforms

Demonstrators

Specialist equipment

Typically does not offer accommodation

SCIENCE AND TECHNOLOGY PARK

Innovation businesses

R&D operations for major companies

Office accommodation

A "grow-out" zone for start-ups and SMEs



3.0

SPACE TO GROW, PLACES TO INSPIRE

WA SCIENCE AND INNOVATION PRECINCTS PROVIDE THE LAND, INFRASTRUCTURE AND AMENITY NEEDED TO SUPPORT EMERGING AND ESTABLISHED INDUSTRY.

The following section provides a guide to the existing and emerging Science and Innovation Precincts in Western Australia, their focus and key characteristics, and areas of opportunity.



3.1 AUSTRALIAN AUTOMATION AND ROBOTICS PRECINCT, NEERABUP



51 HECTARES

WITHIN THE 390-HECTARE MERIDIAN PARK INDUSTRIAL ESTATE

KEY FEATURES

- A WORLD-CLASS TESTING GROUND FOR INDUSTRIAL ROBOTICS AND AUTOMATION, SUPPORTED BY A VIBRANT, CROSS-SECTOR INNOVATION ECOSYSTEM
- LEASEHOLD FACILITY NEIGHBOURING MERIDIAN PARK INDUSTRIAL ESTATE
- COMMON USER FACILITY LOCATED JUST 35KM FROM THE PERTH CBD
- PURPOSE-BUILT FOR DEVELOPMENT AND TESTING, RESEARCH AND TRAINING AND DEMONSTRATION AND SHOWCASE ACTIVITIES BY LOCAL, NATIONAL AND GLOBAL ORGANISATION ACROSS A RANGE OF SECTORS
- SIX LARGE TEST ZONES ARE AVAILABLE FOR LEASE RANGING FROM 1 TO 22 HECTARES

PRECINCT OVERVIEW

The Australian Automation and Robotics Precinct (AARP) serves as an innovation hub in the development and testing of Australia's automation and robotics capability.

The 51-hectare precinct north of Perth offers leasehold opportunities for companies seeking to grow their capacity in advanced automation and robotics. Users of the precinct, which will form one of the biggest test facilities of its kind in the world, will have access to planned facilities including Common User test beds together with a Common User

Facility operations building incorporating laboratories and design co-labs and workshop facilities.

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 testings and scaling, without interrupting on-site production and activities.

The precinct is designed to drive an advanced, tech-ready workforce which can position WA as a leader in research

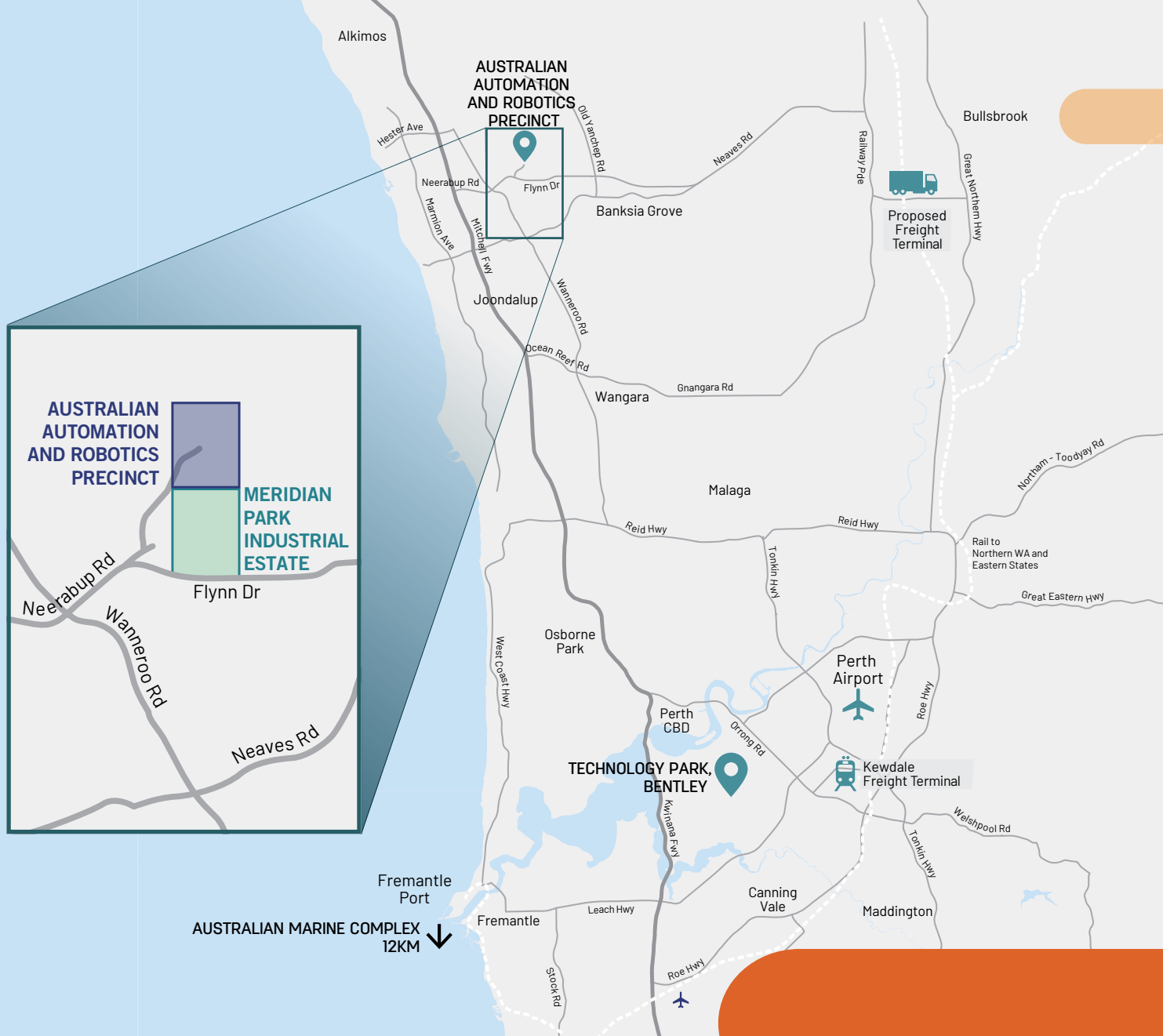
and innovation in the automation and robotics sector.

The AARP will service a range of industries including mining and resources, defence, oil and gas, agriculture, space, logistics, construction, advanced manufacturing and education.

In August 2022, DevelopmentWA appointed WA-founded CORE Innovation Hub to operate and activate the AARP on an initial three-year term. CORE is responsible for leading an industry-driven collaboration model.



aarpwa.com.au



HOW WILL THE AARP COMMON USER FACILITY ACCELERATE INNOVATION?

- ACCESS TO INNOVATION SUPPORT SERVICES THAT ACCELERATE DEVELOPMENT AND DIFFUSION OF INNOVATION
- PROXIMITY TO INDUSTRY LEADERS
- COLLABORATION AND JOINT VENTURE OPPORTUNITIES
- ACCESS TO COMMON USER DATA
- ACCESS TO OFFICES, TEST BEDS AND EQUIPMENT ON AN AS-NEEDED BASIS
- POTENTIAL TO ATTRACT RESEARCH FUNDING
- NETWORKING, BRANDING AND MARKETING OPPORTUNITIES
- EXPOSURE TO STRATEGIC AND POLICY INSIGHTS
- SHOWCASING OPPORTUNITIES



3.2 AUSTRALIAN MARINE COMPLEX, HENDERSON



PART OF THE
3,900 HECTARE
WESTERN TRADE COAST

KEY FEATURES

- 23KM SOUTH OF PERTH CBD
- 13.6KM FROM FREMANTLE PORT
- 7KM FROM PROPOSED WESTPORT & OUTER HARBOUR
- 6KM FROM NAVAL BASE
- THE SOUTHERN HEMISPHERE'S PREMIER INTEGRATED MARINE INDUSTRIAL FACILITY
- ONE OF TWO AUSTRALIAN LOCATIONS IDENTIFIED FOR NAVAL SHIP BUILDING
- FIVE PRECINCTS INCLUDING A 400HA COMMON USER FACILITY
- CONNECTED BY OVERSIZE, OVER-MASS VEHICLE CORRIDORS WITH KEY HEAVY INDUSTRY CENTRES

MAJOR BUSINESSES AND INSTITUTIONS

Leading marine, engineering, shipbuilding, fabrication and industrial businesses, including

AME Marine support

Civmec

Austal Ships

Polaris Engineering

BAE Systems Australia

SFM Marine

PRECINCT OVERVIEW

Western Australia's marine industry is the largest in Australia, thanks to the State's vast coastline and proximity to international trade hubs.

The world-class Australian Marine Complex (AMC) in Henderson is a state-of-the-art centre of excellence designed to support the growing industry, by enabling advanced manufacturing, fabrication, assembly, maintenance and technology development for the defence, marine, oil and gas, and resources sector.

The AMC is part of the 3900-hectare Western Trade Coast and an area of strategic importance, featuring precincts that support shipbuilding, technology, supporting industry, fabrication and recreational boating.

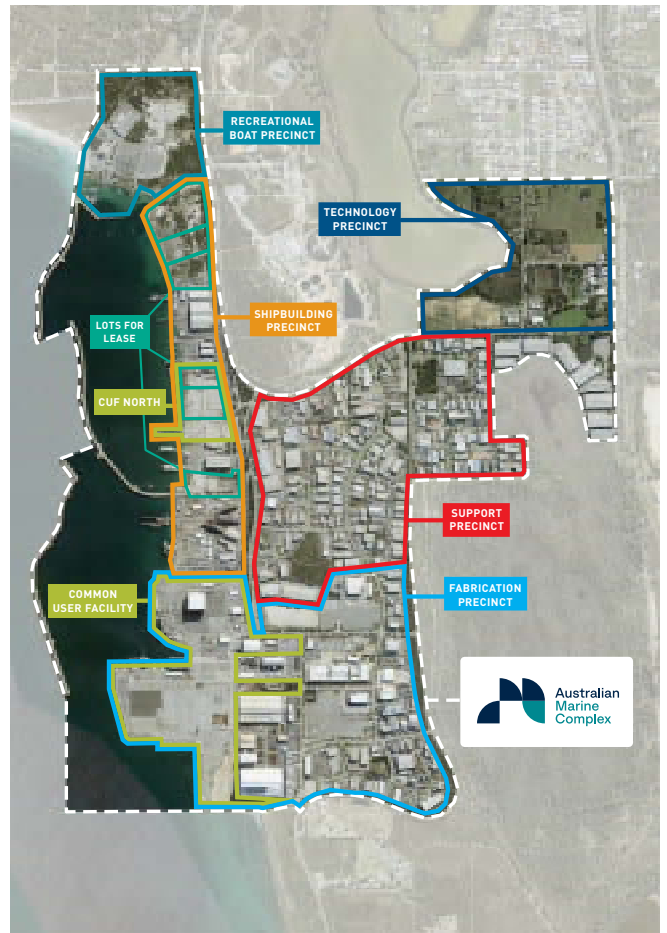
It is home to more than 150 businesses, with ongoing investment that is designed to build on its reputation as the leading integrated marine industrial facility in the Southern Hemisphere.

Between 2003 and 2016, the AMC delivered more than 368 major infrastructure projects worth in excess of \$1.4 billion and generated more than 21,000 jobs.

The next stage of investment – including a new large vessel dry berth – will support a shipbuilding powerhouse precinct and underpin Australia's growing naval capacity in the Indo-Pacific.

In July 2022, DevelopmentWA appointed ASX-listed Ventia Australia Pty Ltd to manage the world-class Common User Facility for an initial five-year term. Ventia's role will include the operation, maintenance and marketing of the 40 ha facility.

DevelopmentWA has commenced structure planning for the AMC Technology Precinct, which will make this area a destination for innovative research, education and technology for the defence, marine, oil and gas, and resources sectors. Through co-location, the Technology Precinct should enable small to medium enterprises, research, and support organisations to collaborate and create new solutions for industry, building on the existing facilities for businesses at the Jakovich Centre.



Case Study 2

AMC Common User Facility

The Common User Facility at the AMC is located within the Fabrication Precinct, providing users with world-class, multipurpose fabrication, assembly and load-out facilities.

The zone includes 50 hectares of sealed and serviced laydown and construction area, as well as five wharves for the protected deep-water harbour.

It features the world's most technically advanced floating dock, measuring nearly 100m in length, which can lift vessels up to 12,000 tonnes out of the water for service and maintenance.

The dock is designed to service Royal Australian Navy vessels including the Collins Class submarines and ANZAC Class frigate fleets, as well as supporting Western Australia's oil and gas industries, with a transfer system so advanced that a 4,000-tonne vessel can be moved by just three people.

It is coupled with a 512-wheeled Self-Propelled Modular Transporter that can transfer vessels and modules weighing up to 4,500 tonnes around the facility.



3.3 BENTLEY TECHNOLOGY PARK



The Hub at Bentley Technology Park



12.6
HECTARES

KEY FEATURES

- FOCUS ON TECHNOLOGY SECTOR BUSINESSES AND START-UPS
- 6KM FROM THE PERTH CBD
- WITHIN ONE KILOMETRE OF CURTIN UNIVERSITY AND SOUTH METRO TAFE BENTLEY CAMPUS
- PART OF THE BENTLEY-CURTIN SPECIALISED ACTIVITY CENTRE
- ACCESS TO SHARED NETWORKING AND CONFERENCING FACILITIES
- READILY ACCESSIBLE VIA ROAD AND PUBLIC TRANSPORT

MAJOR BUSINESSES AND INSTITUTIONS

100+ leading innovation and technology businesses and centres, including:

Pawsey Supercomputing Research Centre

Innovation Central Perth

Australian Institute of Technology Transfer

CSIRO

Curtin University

NovaCina

Horizon Power

NEC

Harvest Technology Group

WA Data Science Innovation Hub

State Government Departments of Primary Industries and Regional Development and Biodiversity, Conservation and Attractions

PRECINCT OVERVIEW

Bentley Technology Park is a mixed-use facility designed to support local companies in the development and export of technology-based products, services and intellectual property. It falls within the Bentley-Curtin Specialised Activity Centre, one of five specialised activity centres identified by the State Government, and is a regionally significant centre dedicated to science, technology and research.

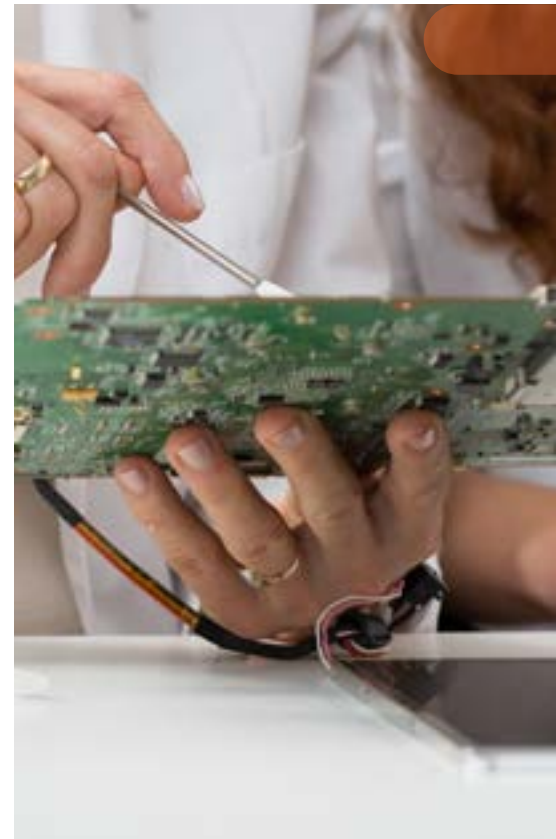
Bentley Technology Park was built to encourage active collaboration between private and public sector initiatives, and is within walking distance of Curtin University, making it attractive to international tech companies and research organisations.

With more than 100 organisations as tenants and occupants, the precinct offers campus-style accommodation with

a mix of research and office facilities, as well as the Pawsey Supercomputing Research Centre, a leading high-performance computing facility that supports researchers across Australia and through international collaboration.

A multimillion-dollar upgrade to key facilities at Bentley Technology Park has seen the creation of an innovative and sustainable centre of excellence at the specialist precinct. The previous Brodie Hall Function Centre has recently transitioned to The Hub – a newly refurbished net-zero, co-working and event space for networking, knowledge sharing and showcasing ideas.

The upgrade provides users with access to state-of-the-art common facilities and is expected to become a prime location for conferences and events in Perth.



Case Study 3

Pawsey Supercomputing Centre

Located within Bentley Tech Park, Pawsey Supercomputing is home to Setonix, the fastest research supercomputer in the Southern Hemisphere, supporting science projects of national and international importance, such as Australia's Square Kilometre Array.

The facility is a world-class high-performance computing facility dedicated to accelerating scientific discoveries for Australia's researchers.

An unincorporated joint venture of Australia's national science agency, CSIRO, and Western Australia's four public universities, Pawsey supports more than 40 organisations and 1600 researchers in the delivery of high-impact research in domains such as radio astronomy, energy and resources, engineering, bioinformatics and health sciences.

Pawsey has also become a National Quantum Supercomputing Innovation Hub, bringing together leading quantum engineers, quantum technology providers, industry and supercomputing experts to work with algorithmic challenges for problems occurring in science and industry.



<https://techparkwa.com.au/>

Case Study 4

Curtin University

Curtin University, Western Australia's biggest university by enrolment, is part of the Bentley-Curtin Specialised Activity centre and less than a kilometre from Bentley Technology Park.

The university has more than 59,000 students and is ranked among the top 200 universities in the world by the QS World University Rankings 2023.

It counts some of Australia's largest businesses as partners, including BHP, Chevron and Wesfarmers, and has close ties with globally significant research institutions including CSIRO and NASA.

Curtin has a strong commitment to supporting commercialisation of research. Start-ups that have emerged from the University and its research partnerships have together generated more than \$200 million in revenue.

3.4 NEDLANDS MEDICAL AND HEALTH PRECINCT



28
HECTARES

KEY FEATURES

- 5KM FROM THE PERTH CBD
- PART OF THE UWA-QEII MEDICAL CENTRE SPECIALISED ACTIVITY CENTRE
- INCLUDES THE LARGEST MEDICAL COMPLEX IN THE SOUTHERN HEMISPHERE (INC THREE HOSPITALS)
- WITHIN ONE KILOMETRE OF THE UNIVERSITY OF WESTERN AUSTRALIA
- SERVICED BY A FREE CAT BUS SERVICE FROM PERTH CITY
- 1.5KM FROM NEAREST TRAIN STATION, WITH HIGH-FREQUENCY SHUTTLE BUS

MAJOR BUSINESSES AND INSTITUTIONS

40+ leading health, medical, life science and bioscience research organisations, including:

Harry Perkins Institute of Medical Research

Keogh Institute for Medical Research

Ralph and Patricia Sarich Neuroscience Research Institute

Australian Alzheimer's Research Foundation

The Marshall Centre

Institute for Respiratory Health

Perron Institute for Neurological and Translational Science

Breast Cancer Research Centre - WA

Children's Diabetes Research and Education Centre

Telethon Kids Institute

PTSD Research Foundation

Linear Clinical Research

The University of Western Australia

Lions Eye Institute

Oral Health Centre of WA

PRECINCT OVERVIEW

Western Australia's broader life sciences sector has experienced the fastest growth in Australia. It employs close to 23,000 people, with employers, research institutions and enablers clustered around Perth's six tertiary hospitals.

QEI Medical Centre, home to two of these tertiary hospitals, represents one of the largest medical precincts in the Southern Hemisphere.

The 28-hectare precinct includes Sir Charles Gairdner Hospital, WA's largest public sector and teaching hospital, and Perth Children's Hospital, the only health service catering to children and adolescents in Western Australia.

The precinct is within a kilometre of the Hollywood Private Hospital and the global top 100 University of Western Australia (UWA), while UWA's Medical School, Dental School and School of Biomedical Sciences are co-located on the QEI campus.

The precinct is home to more than 40 health and medical research groups, including the Harry Perkins Institute of Medical Research, the Telethon Kids Institute, and the Marshall Centre, named in recognition of Western Australian Nobel Laureate Professor Barry Marshall. The cluster includes several specialist disease research foundations.

Case Study 5

Telethon Kids Institute

Rheumatic Heart Disease affects 30 million people a year, often leading to permanent disability and around 300,000 preventable deaths annually. It can be triggered by acute rheumatic fever, an acute immune reaction to Group A Streptococcus (GAS) infection in the throat or skin.

Researchers at the Telethon Kids Institute have recently been funded \$35 million to advance development of a GAS vaccine within five years. This would position Australia as the international leader in GAS vaccine development for the world and could be used to support an onshore manufacturing base to address this preventable but deadly global problem.



3.5 MURDOCH HEALTH AND KNOWLEDGE PRECINCT



Courtesy of Hesperia



9.6
HECTARES

KEY FEATURES

- 12KM FROM PERTH CBD
- PART OF THE MURDOCH ACTIVITY CENTRE
- HOME TO THE 780-BED TERTIARY FIONA STANLEY HOSPITAL
- COLLABORATIVE SPACE WITH BOTH PUBLIC, PRIVATE AND RESEARCH HEALTH SCIENCES FACILITIES
- ADJACENT TO MURDOCH UNIVERSITY
- ACTIVITY CENTRE SUPPORTS 35,000 JOBS AND EDUCATION FACILITIES FOR 44,000 STUDENTS
- ADJACENT TO KWINANA FREEWAY AND BUS AND TRAIN INTERCHANGE

MAJOR BUSINESSES AND INSTITUTIONS

Fiona Stanley Hospital

Murdoch University

St. John of God Murdoch Hospital

Wexford Medical Centre

South Metropolitan TAFE

Harry Perkins Institute of Medical Research

PRECINCT OVERVIEW

The Murdoch Health and Knowledge Precinct is the southern corridor's home for health research, medical care, higher education, and innovative business development.

The precinct is adjacent to several important players in Western Australia's healthcare sector, anchored by Fiona Stanley Hospital, a tertiary teaching hospital; the private St John of God Murdoch Hospital; and the future \$1.8 billion Women and Babies Hospital.

It is also adjacent to both Murdoch University and South Metropolitan TAFE, while a number of research institutions have taken laboratory and office space in the Precinct.

Significant investment continues to be made in supporting the health and knowledge focus of the area, with a new short-stay hospital and Cancer Centre under development by Monserrat,

and plans for Marriott International to introduce an in-precinct hotel.

Construction of Western Australia's first Medihotel is underway within the precinct and is expected to be completed in 2023. The development will also include an aged care facility, super medical clinic, residential dwellings, and commercial, retail, food and beverage spaces.

Future developments include a 10-storey mixed-use site, including 120 apartments and commercial opportunities. This development is expected to commence construction in late 2023.

When fully developed, the Murdoch Health and Knowledge Precinct is anticipated to provide up to 35,000 jobs and education facilities for up to 44,000 students, making it the second-biggest employment centre in the Perth metropolitan area.



Case Study 6

Harry Perkins Institute of Medical Research

The Harry Perkins Institute of Medical Research brings together more than 450 world-class medical researchers to tackle some of the world's biggest health issues, including cancer, diabetes, heart disease and neuromuscular diseases.

The institute features leading laboratory facilities, allowing the clinical researchers to accelerate medical breakthroughs and connect with similar organisations and research partners worldwide.

Harry Perkins has ties across the Western Australian research centre, with two key facilities – Perkins North, at the QEII Medical Centre in Nedlands, and Perkins South at the Murdoch Health and Knowledge Precinct.

The southern campus offers a mix of clinical research amenities, offices and PC2 laboratories and is co-located with researchers from the University of Western Australia and Murdoch University's Australian National Phenome Centre.



<https://developmentwa.com.au/mhkp>

3.6 PEEL BUSINESS PARK, NAMBEELUP



1,000
HECTARES

KEY FEATURES

- 70KM SOUTH OF THE PERTH CBD
- 10KM EAST OF MANDURAH CBD
- PART OF THE 42,000-HECTARE PEEL FOOD ZONE
- LOCATED IN AN AREA OF FAST-GROWING POPULATION
- DEDICATED RESEARCH AND DEVELOPMENT FACILITY, PRODUCTION BUILDING AND COMMON-USE FOOD-TECHNOLOGY AMENITY
- CLOSE PROXIMITY TO KWINANA FREEWAY

MAJOR BUSINESSES AND INSTITUTIONS

Shire of Murray's WA Food Innovation Precinct

Murdoch University Future Foods Institute and Food Innovation Facility

Department of Fire and Emergency Services
Bushfire Centre of Excellence

Peel Renewable Energy

Westurn Engineering

Mandurah Glass

Bells Engines

GrowHub

Spinifex Brewery

Eden Towers Vertical Farms

PRECINCT OVERVIEW

The Food Innovation Precinct WA (FIPWA) at Peel Business Park developed by the Shire of Murray brings together state-of-the-art equipment and research and a community of researchers, and food and agribusiness companies.

The precinct is anticipated to contribute up to \$330 million to the food and beverage sector, and another \$737 million into the wider economy over the next five years, while supporting the scale-up of agri-businesses, exports and product licensing.

It is a centre of excellence, research and development, designed to pioneer technologies and processing methods that support nutrition, food traceability and the development of high-value products with extended shelf life.

FIPWA's common-user facilities provide laboratories, commercial kitchens, small batch production facilities, and cold and dry storage for companies seeking to research, develop, prototype and market-test new value-added food products derived from WA's primary produce.

FIPWA has been the target of substantial government funding, including \$45.2 million from the Western Australian Government to support infrastructure, \$21.75 million from the Australian Government's Regional Growth Fund, and \$3.85 million Enterprise Support competitive grant program set up in partnership between the Shire of Murray, DevelopmentWA and the Department of Primary Industries and Regional Development.

Peel Business Park also has a one-of-a-kind renewable energy industrial microgrid providing clean, green energy to Park customers, delivering an expected saving of around 30 per cent when compared to regulated bundled tariffs.

Eleven new industrial lots were released for pre-sale in August 2022 as a part of Stage 2. All Stage 1 lots are sold and now under construction.

Case Study 7

X-Protein Lab

GrowHub International, founded by Fund Singapore, is an integrated company that collaborates with food producers to deliver sustainable, healthy, high-quality products to consumers.

It is the key strategic partner of the Western Australian Food Innovation Precinct, supporting the Precinct's flagship innovation facility.

In 2021, GrowHub and FIPWA launched the first X-Protein Lab initiative, with the goal of expanding Western Australia's reach in the alternative protein space.

Six Western Australian businesses have been provided with support and access to industry leaders who can help accelerate entry to market in the initial phase of the initiative.

Four of the participants have now progressed collaborations with ASEAN entities, and one has successfully received a \$200,000 research and development grant to become WA's first solar-powered indoor vertical farm.

Case Study 8

Food Futures Institute

Murdoch University's Food Futures Institute is focused on improving the accessibility and availability of sufficient, safe and sustainably produced food.

With an estimated 70 per cent increase in global food production required by 2050, the Institute works to increase quality and yield through ecologically sound approaches.

As part of this commitment, the Institute has played a key role in the development of the WA Food Innovation Precinct's Food Technology Facility, contributing more than \$2 million to its development and offering teaching and workshops from the facility.

The involvement of the university also supports other research projects, including plans to leverage Murdoch University's Australian National Phenome Centre to develop chemical fingerprinting methodologies that can help prove the provenance and nutritional credentials of premium products.



<https://developmentwa.com.au/peel>



EMERGING INNOVATION ZONES

Complementing the established Science and Innovation Precincts, Western Australia has a number of zones where similar and complementary industries already feature, with the potential to develop a dedicated focus over time.

PERTH CITY



KEY FEATURES

- PERTH CBD IS THE FOCAL POINT FOR WA'S BIGGEST BUSINESSES
- LEADING LOCATION FOR MINING AND RESOURCES IN THE STATE
- EDITH COWAN UNIVERSITY'S \$850 MILLION CULTURAL AND CREATIVE INDUSTRIES CBD CAMPUS
- PERTH CITY DEAL, AN AGREEMENT BETWEEN ALL TIERS OF GOVERNMENT, WILL SEE AN ENORMOUS INVESTMENT IN THE CBD AS PART OF A 10-YEAR PLAN
- HOME TO TERTIARY-LEVEL ROYAL PERTH HOSPITAL AND ASSOCIATED MEDICAL RESEARCH FACILITIES

PRECINCT OVERVIEW

With the strength of the WA economy, particularly in mining and resources, Perth CBD has naturally become home to some of Australia's biggest businesses. It is the leading location for mining and resources companies to have their headquarters, while also supporting clusters of advanced technology and enabling businesses that service this and other sectors.

Perth is also the subject of a \$1.7 billion Perth City Deal – a partnership between the Australian and Western Australian governments and the City of Perth, with the goal of supporting the long-term economic, social and environmental success of the city. The centrepiece of the Perth City Deal will be the delivery of Edith Cowan University's City Campus in 2025, which will bring thousands of

students, staff and supporting workers to the CBD, as well as specialist programs that foster innovation, industry and creativity.

The new university campus will be situated beside the Perth City Link development, which has reconnected Perth CBD and Northbridge and become a vibrant central meeting place.

Perth CBD is already home to the Australian Space Automation, Artificial Intelligence and Robotics Control Complex (SpAARC) by Fugro, a world-class remote operations facility that trains, tests and controls remote and autonomous operations on Earth and in space.

The eastern end of the CBD is home to Perth's longest-servicing tertiary-level hospital, Royal Perth Hospital (RPH).

WA's leading hospital for trauma care and research, it includes the State Adult Trauma Centre, which cares for 750 major trauma patients a year. RPH is committed to innovation in healthcare and has recently delivered a world-class initiative known as HIVE – Health in a Virtual Environment – which uses artificial intelligence to detect worsening patient conditions and alert clinicians.

The west end of the CBD is the preferred home of Australia's biggest mining companies, with contemporary and bespoke facilities that support the world's most remote operations.

Technology and skills developed through these facilities not only enable mining and extraction in far-flung locations but will enable the future of remote operations in space.

The co-location of major employers has also supported research facilities such as ERDi TestLab, a globally unique initiative established by the University of WA and South Metropolitan TAFE to facilitate the widespread adoption of digital Industry 4.0 technologies within Australia's energy and resources sector.

To support collaboration, innovation and networking opportunities for smaller companies, the CBD also contains multiple co-working spaces such as Flux, Riff and Fern, managed by Spacecubed. These facilities provide office spaces, event venues, and individual hot desks to cater for businesses and organisations of different sizes, fostering the creation of organic relationships between industry and entrepreneurs.



ECU CITY WILL DEFINITELY RESHAPE THE PERTH CBD. IT WILL BE UNLIKE ANY OTHER UNIVERSITY IN AUSTRALIA.

Case Study 9

AROSE

Based in Perth's CBD, AROSE is a not-for-profit, industry-led consortium committed to delivering world-leading research in Remote Operations science, technology and service on Earth and in Space.

AROSE was co-founded in 2020 by a former astronaut and was established to leverage WA's world leading remote operations expertise and catalyse knowledge transfer between Earth and Space activities to benefit all industries.

AROSE brings together experts from university, government and industry to position WA at the forefront of Remote Operations innovation.

"WE LOOK FORWARD TO THE CONSTRUCTION PHASE OF THIS PROJECT AND THE CREATION OF ONE OF THE MOST DYNAMIC, INNOVATIVE AND TECHNOLOGICALLY ADVANCED UNIVERSITY CAMPUSES IN THE SOUTHERN HEMISPHERE. ECU CITY IS SET TO REVITALISE THE PERTH CBD BY SUPPORTING MORE THAN 3,100 DIRECT AND INDIRECT JOBS DURING ITS CONSTRUCTION AND ATTRACTING MORE THAN 9,000 STUDENTS AND STAFF FROM 2025. THE CAMPUS WILL CREATE NEW VIBRANCY IN THE PERTH CBD AND GENERATE NEW OPPORTUNITIES AND BENEFITS FOR LOCAL BUSINESSES."

- VICE-CHANCELLOR
ECU PROFESSOR
STEVE CHAPMAN



<https://developmentwa.com.au/perthcitylink>

JOONDALUP



KEY FEATURES

- 26KM NORTH OF PERTH CBD
- A KEY ACTIVITY CENTRE AND MAJOR POPULATION CENTRE
- HOME TO WORLD-CLASS HEALTH AND EDUCATION PRECINCT
- A RECOGNISED HUB FOR INNOVATION AND CYBER SECURITY

PRECINCT OVERVIEW

Located in the fast-growing corridor north of Perth, Joondalup is the CBD of the North, a leader in innovation and digital technologies, including cyber security, automation, robotics and AI. The City of Joondalup is an emerging innovation precinct bringing together world class industry, health and education.

Joondalup is home to CyberWest - WA's Cyber Security Innovation Hub. CyberWest includes the Cyber Security Cooperative Research Centre, one of only two in Australia, and is a collaboration between industry, government and academia, with partners including

the Western Australian Government, Australian Department of Home Affairs, Australian Federal Police, Australian Signals Directorate, CSIRO and multiple universities.

CyberWest is based at Edith Cowan University which has 20 per cent of the country's cyber security students and a collaboration with IBM to deliver an industry and education internship.

This emerging innovation precinct also contains Joondalup Health Campus - one of the largest hospitals in Western Australia; Edith Cowan University; WA Police Academy; WA Police Tech

Crimes Division; North Metropolitan TAFE; Australian Medical Association WA Training College; Linear Clinical Research; and College of Electrical Training, all positioning themselves in this progressive region.

Joondalup has produced WA's first cross-sector innovation challenge and is home to tech businesses such as SEQTA, REDI Software and Sapien Cyber.

MIDLAND

KEY FEATURES

- 16KM NORTH-EAST OF PERTH CBD
- A RECOGNISED CENTRE FOR MANUFACTURING
- AN EMERGING AREA FOR FORENSIC SCIENCE AND PATHOLOGY
- A KEY LOCATION FOR MULTIDISCIPLINARY TRADES
- CONNECTED BY EXCELLENT PUBLIC TRANSPORT TO THE MIDLAND ACTIVITY CENTRE

PRECINCT OVERVIEW

Midland is a significant activity centre north-east of Perth CBD, with a range of traditional and emerging industries.

The area is historically known for manufacturing and fabrication, with the Midland Railway Workshops operating for close to a century.

Now, nearly 30 years after manufacturing at the site ceased, the Western Australian Government has returned rail manufacturing to Western Australia with a \$46 million investment in an assembly and commissioning facility in the neighbouring suburb of Bellevue, which will deliver 246 new railcars for Perth's METRONET projects.

METRONET is the long-term blueprint for the future of transport in Perth, with approximately 72km of new passenger rail and 22 new stations connecting the city.

The main facility in Bellevue includes a 180m-long building with a railcar assembly area, offices, workshops and storage areas, and it is paired with a new High Voltage Testing and Commissioning Facility to enable the railcar testing regime.

The renewed manufacturing sector is supported by Midland's North Metro TAFE, a specialist METRONET Trades Training Centre, designed to develop the skills in WA for future rail.

Midland is also a growing centre for forensic sciences and pathology, supported by the presence of the Midland Health Campus and a 307-bed hospital operated under a public-private partnership between the State Government and St John of God Health Care.

The WA Police Forensic Facility is located in Midland, supporting the investigation of crime scenes, including DNA, fingerprinting and other forensic biology.

The area is also home to PlusLife, Perth's only bone and tissue bank, a not-for-profit organisation dedicated to enhancing lives through the gift of bone and tissue donation.



<https://developmentwa.com.au/midland>

REGIONAL AREAS FOR GROWTH



Agri-Innovation Precinct Concept

PEEL

Already home to the Food Innovation Precinct, the Peel region has been earmarked as a future home for hydrogen and environmental science innovation. The Perth and Peel Hydrogen Cluster is one of 18 zones across Australia established to address barriers to development of the hydrogen supply chain and technology.



Kalgoorlie

GOLDFIELDS ESPERANCE

The Goldfields Esperance region is a centre for mining and resources-led innovation, with significant engagement by major employers in the development of new processes, exploration techniques and operational efficiencies. As part of the energy transition, it will become a location for innovation in hybrid, critical minerals and renewable energy projects for industry.





Bunbury



Geraldton

SOUTH WEST

The South West region is ideally placed for an advanced manufacturing and technology hub, with other specialisation areas in the renewables, hydrogen, battery manufacturing, mining, and maritime manufacturing sectors. The recently launched Creative Technology Village, WA's Creative Technology Innovation Hub, in collaboration with Edith Cowan University, will help grow WA's emerging creative and immersive technology industry in Bunbury. The WA Government is also progressing planning to establish the AMTECH - an advanced manufacturing hub in the South West region.

The town of Collie is quickly becoming the South West's most established industrial hub and the future of clean energy. With a diversified local economy and skilled workforce supporting energy generation, mining, manufacturing and primary industries, Collie is supported by a range of Western Australian companies including WesTrac's Technology Training Centre.



Mining at Port Hedland



Elephant Rocks

PILBARA

In addition to its booming resources sector, the Pilbara has become a hub for clean energy research, with the region well positioned for renewable energy generation and hydrogen production, as well as steel and fertiliser manufacturing.

Maitland Strategic Industrial Area has been earmarked as a renewable energy hub, just outside of the town of Karratha.

World-leading remote operations and autonomous technology is also being developed in the Pilbara, with the world's largest robot operating in the region.

GREAT SOUTHERN

The Great Southern is home to Marine Energy Research Australia - a marine energy research and innovation facility which has grown to support the ocean renewable energy sector and the region's coastal communities. The region has some of the best wind and wave power potential of anywhere in the world.

MID WEST

WA's Mid West has growing science and space activity, including the Square Kilometre Array (SKA), SKA Engineering Operations Centre in Geraldton, Mingenew Space Precinct and Geraldton Port.



Northam

WHEATBELT

The Wheatbelt, which produces more than 40 per cent of Western Australia's agricultural produce, has world-class capabilities in grains research and plant breeding technologies. It will be a key zone for agricultural innovation, agtech and climate research.

EMERGING SECTORS OF OPPORTUNITY



ENERGY

With substantial reserves of natural gas and fantastic wind and solar resources, Western Australia is positioned to lead the future of global energy production. The State is the world's largest lithium producer with large reserves of battery minerals and is expected to play a vital role in filling the growing demand for clean energy.

DEFENCE INDUSTRIES

Western Australia is home to advanced manufacturing capabilities which support Australia's evolving defence requirements. With world-leading innovation in undersea and unmanned systems, cyber security, command and control systems, and space domain related technologies, the State is set to underpin the next generation of defence innovation.

MINING AND METS

As the world's leader in the production of iron ore, Western Australia is also among the world's top five producers of gold, nickel, alumina, cobalt, rare earths and salt. Boasting the world's largest fleet of automated mining trucks, it is at the forefront of innovative technology, ensuring safety and productivity across our diverse mining landscape.



CREATIVE INDUSTRIES

To complement Western Australia's vast coastline and unique natural environment, the State is building a strong events and creative industries sector, including a central CBD creative industries campus attached to Edith Cowan University that will link world-class venues with technology, film and broadcast facilities.

SPACE INDUSTRIES

Western Australia has more than 60 years' experience in the space industry and is involved in a range of space operations, hosts significant space infrastructure for both civil and defence applications and is home to more than 100 international and Australian organisations operating space-related services. Western Australia is emerging as the Southern Hemisphere's hub for space operations and exploration.

DATA SCIENCE AND ARTIFICIAL INTELLIGENCE

Western Australia is staying at the forefront of the digital revolution, with significant effort being invested in data science, artificial intelligence and high-performance computing.

HEALTH AND MEDICAL LIFE SCIENCES

Western Australia's research infrastructure in the health and medical life sciences sector has delivered the State a reputation for delivering world-leading innovation and talent. With a collaborative research culture, Western Australia has seen substantial growth in improving health outcomes, with significant benefit to the State, Australia, and the world.

PRIMARY INDUSTRIES

As an environmentally diverse State, Western Australia's primary industry sector delivers a broad range of products which assist the State's economic diversification. The State is investing in research and development to ensure Western Australia can deliver sustainable, ethical products which drive economic growth while preserving the State's natural beauty.

REMOTE OPERATIONS

Western Australia is the world-leader in remote operations. Perth hosts multiple state-of-the-art remote operations centres for the oil and gas, mining and health sectors. Remote operation R&D is supported by the Australian Automation

and Robotics Precinct. The State's terrestrial remote operations capability is being advanced and transferred to space missions through the Space Automation, AI and Robotics Control Complex in the Perth CBD.

OIL AND GAS DECOMMISSIONING

With more than \$50 billion in decommissioning work needed to Australia's offshore oil and gas infrastructure, Western Australia is positioned to lead the charge with this challenge. With enormous economic and environmental ramifications, this project creates a significant opening for immediate and long-term growth through the decommissioning, recycling and repurposing of Western Australia's vast offshore oil and gas assets.

A SUPPORTIVE START-UP ECOSYSTEM

Western Australia is home to numerous innovation and entrepreneurship collaborations that are designed to support start-ups and scale-ups in the early stages of their development.

Visit wa.innovationecosystem.info for more information.



NAME	LOCATION	DESCRIPTION
Allied Health Precinct – Wanneroo	Wanneroo	Co-working and collaboration space
Bloom	Crawley, Bentley	Youth co-working space and entrepreneurship program hub
Centre for Entrepreneurial Research and Innovation (CERI)	Nedlands	Develop entrepreneurial skills, with the goal of enabling researchers to establish a start-up company
CORE Innovation Hub	Perth, Newman	Co-working, collaboration and innovation hub focused on resources technology
Edith Cowan University's Business and Innovation Centre (ECUBIC)	Joondalup	Co-working and collaboration space with business services
fSpace	Fremantle	Co-working and collaboration space
Hub on Essex (HOSX)	Fremantle	Industry sustainability and co-working space and hub
Innovation Central Perth	Bentley	Industry and science collaboration centre
Kalgoorlie-Boulder Mining Innovation Hub	Kalgoorlie	Research and technology development centre
Karratha Enterprise Hub	Karratha	Co-working and collaboration space
Officenexus	Perth	Co-working and collaboration space
Pollinators	Geraldton	Co-working and collaboration space
Spacecubed	Perth	Co-working and collaboration spaces - Flux, Riff and Fern
Web Business Hub	Port Hedland	Co-working and collaboration space
Yhub	Yanchep	Co-working and collaboration space

Case Study 10

WA Government New Industries Fund

The New Industries Fund is a \$25.8 million commitment by the Western Australian Government to support the acceleration of new and emerging businesses. The fund seeks to diversify the economy and create new jobs and industries through a range of initiatives including the development of virtual innovation hubs.

The hubs provide a focal point for start-ups and SMEs seeking to connect and develop capacity in emerging areas, providing specialised advice designed to support growth and exports.

Four designated hubs have been launched so far, including CyberWest (cyber security), WA Data Sciences Innovation Hub, and the Creative Tech Village (creative technology).

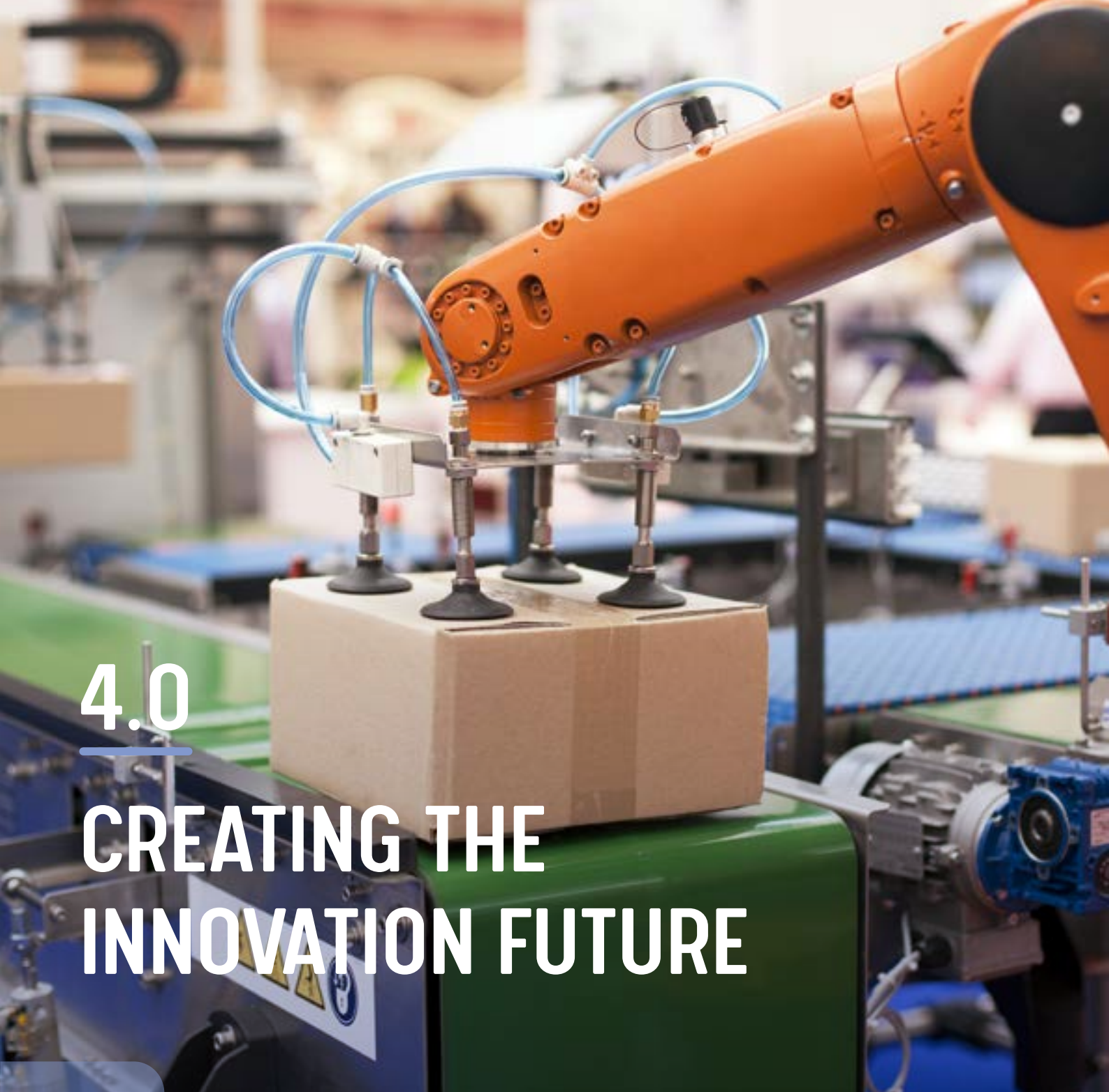
Case Study 11

BetterLabs Ventures

Supporting WA ventures to help them grow and scale is a key goal of BetterLabs, a \$23 million venture capital fund established by RAC.

Established in 2018 as way to provide seed funding to Western Australian start-ups, the fund is now the largest in the State and has built an expansive portfolio across what it calls emerging innovation domains.

Its focus is innovative businesses in areas such as clean technology, meaningful community innovation, support for an aging population, and mobility.



4.0

CREATING THE INNOVATION FUTURE

THE GOVERNMENT OF WESTERN AUSTRALIA IS FOCUSED ON DELIVERING AN INNOVATIVE FUTURE FOR THE STATE, BUILDING ON ITS ECONOMIC STRENGTHS AND LEVERAGING ITS ATTRACTIVENESS AS A LOCATION FOR INVESTMENT.

DEPARTMENT OF JOBS, TOURISM, SCIENCE AND INNOVATION

The Department of Jobs, Tourism, Science and Innovation (JTISI) drives the creation of local jobs and a stronger, more diverse Western Australian economy by delivering economic initiatives, promoting WA nationally and internationally, and working with science, research and innovation sectors to build a technologically advanced and prosperous future for all Western Australians.

JTISI can facilitate investment and trade, providing access to services, programs and initiatives designed to support businesses in WA, as well as linking like-minded investors and buyers with opportunities across the State.

DEPARTMENT OF PRIMARY INDUSTRIES AND REGIONAL DEVELOPMENT

The Department of Primary Industries and Regional Development is the lead agency for agribusiness investment and economic development. Its mission includes growing the State's primary industries and regions through balancing social, economic and environmental drivers and a culture of innovation.

It seeks to implement policies and programs that encourage sustainable economic development, diversification and job creation with a focus on unlocking land and water resources, building business capacity, and developing and facilitating trade and investment.

DEVELOPMENTWA

DevelopmentWA ensures the supply of strategically located and well-served industrial land to support the industries that drive the economic prosperity of the State.

As the WA Government's land and property corporation, DevelopmentWA designs and creates precincts that can deliver for industry and support social and economic prosperity.

The agency's remit includes land assembly of parcels that can be used for future industrial use, as well as working across agencies and with utilities to deconstrain land, expediting the process of planning and development.

Its approach can derisk the investment opportunity by providing confidence to investors that projects have a long-term horizon, and they can work with investors to offer a range of tenure options including structured leases, vertical integration, and common-user facilities.



FURTHER SUPPORT

WA Government assistance packages



Access Asia Business Grants

The Access Asia Business Grants provide funding for Western Australian businesses to enter or expand their trade with Asian markets. Funding can be used for product marketing, expo/trade visits, cultural/language training and other activities that help build businesses' capacity to trade with Asia.

For further information, visit: www.wa.gov.au/organisation/department-of-jobs-tourism-science-and-innovation/accessasia-business-grants

Agrifood and Beverage Voucher Program

The Agrifood and Beverage Voucher Program supports small to medium enterprises across regional and metropolitan Western Australia to overcome potential barriers to growth, reduce risks around planned expenditure and capture new opportunities for growth. Western Australian food and beverage manufacturers can apply for vouchers valued up to \$10,000 to engage consultants or technical experts to help grow their business.

For further information, visit: www.agric.wa.gov.au/AFBvoucherprogram



International Competitiveness Co-Investment Fund

The International Competitiveness Co-Investment Fund provides grants of between \$50,000 and \$100,000 to help Western Australian businesses rebuild their existing Asian market business relationships disrupted by COVID-19, and to develop and implement strategies to capture export market opportunities and attract investment that will lead to direct benefits for regional WA.

For further information, visit: www.agric.wa.gov.au/ICCF

Investment Attraction Fund

The Investment Attraction Fund (IAF) is a key enabler for investment attraction, supporting the State's economic diversification priorities in sectors such as energy, mining and mining equipment, technology and services, defence industries, space industries, health and medical life sciences, primary industries, international education, and tourism, events and creative industries.

For further information, visit: www.wa.gov.au/organisation/department-of-jobs-tourism-science-and-innovation/investment-attraction-fund

New Industries Fund

The New Industries Fund (NIF) is a \$25.8m commitment to support the acceleration of new and emerging businesses in Western Australia, to diversify the economy and create new jobs and industries.

For further information, visit: www.wa.gov.au/organisation/department-of-jobs-tourism-science-and-innovation/new-industries-fund

Local Capability Fund

The Local Capability Fund is an initiative under the Western Australian Government's Plan for Jobs. The purpose of the fund is to assist small and medium enterprises to increase their capability and competitiveness as suppliers of products, services and works to the Western Australian Government, major projects and other important markets.

For further information, visit: www.wa.gov.au/organisation/department-of-jobs-tourism-science-and-innovation/local-capability-fund

Future Health Research and Innovation Fund

The Future Health Research and Innovation (FHRI) Fund provides a secure source of funding to drive health and medical research, innovation and commercialisation and through these activities, improve the health and prosperity of all Western Australians.

For further information, visit: www.fhrifund.health.wa.gov.au/

Value Add Investment Grants (VAIG)

The VAIG are aimed at supporting agriculture, food and beverage businesses undertaking value adding in Western Australia (or those seeking to expand in, or relocate to, Western Australia). In this context, value adding is defined as any activity that transforms Western Australian primary production from its original or raw form (i.e. commodities) into a state which is perceived as more valuable to the end consumer (i.e. products), thereby accruing higher margins to the producer.

For further information, visit: www.agric.wa.gov.au/VAIGrants

Western Australian Renewable Hydrogen Fund

The Western Australian Government's Renewable Hydrogen Fund supports renewable hydrogen feasibility studies and capital works projects to grow the renewable hydrogen industry and support key opportunities across the State. Funding is directed to the four strategic focus areas of the Western Australian Renewable Hydrogen Strategy: export, remote applications, hydrogen blending in natural gas networks, and transport.

For further information, visit: www.wa.gov.au/government/publications/western-australian-renewable-hydrogen-fund



Australian Government assistance packages

AMGC Commercialisation Fund

AMGC co-funds industry projects to commercialise innovation. In this way, approved industry projects demonstrate how Australian manufacturing can become more globally competitive. AMGC has received an additional \$30 million in funding to continue supporting industry projects. This is called the AMGC Commercialisation Fund which will co-fund projects that focus on the six National Manufacturing Priorities recently announced by the Australian Government as part of its Modern Manufacturing Strategy.

For further information, visit: www.amgc.org.au/projects

Cooperative Research Centres Projects Grants

The Cooperative Research Centres Projects Grants program provides industry-led collaborations with short term (up to three years) matched funding to develop important new technologies, products and services. Collaborations from all industry sectors, research disciplines and community sectors can apply.

For future funding round information, visit: www.business.gov.au/assistance/cooperative-research-centres-programme/cooperative-research-centres-projects-crc-ps

Entrepreneurs' Programme – Business Growth Grants

The objective of the Entrepreneurs' Programme is to connect small and medium-sized businesses with the capabilities and networks they need to innovate, compete and grow in Australian markets and/or markets in other countries.

The Business Management initiative consists of business advice and facilitation services and business growth grants to assist businesses to implement advice and recommendations.

For further information, visit: www.business.gov.au/Grants-and-Programs/Growth-Grants#key-documents

Major Project Status

Major Project Status is the Australian Government's formal recognition of the national strategic significance of a project, through its contribution to economic growth, employment or contribution to regional Australia.

For further information, visit: www.business.gov.au/Grants-and-Programs/Major-Project-Status

Australian Renewable Energy Agency (ARENA)

ARENA's purpose is to improve the competitiveness of renewable energy technologies and increase the supply of renewable energy through innovation that benefits Australian consumers and businesses.

For further information, visit: www.arena.gov.au





Regional Economic Developments (RED) Grants

The Regional Economic Development (RED) Grants Program is a State Government initiative investing \$50.58 million over nine years (2018-19 to 2026-27) in local projects to stimulate economic growth and development in regional Western Australia.

Delivered locally by the the nine Regional Development Commissions, up to \$250,000 is available for individual projects that promote sustainable jobs and workforce solutions, productivity, skills and capability building, as well as stimulating new investment and industry diversification across the region.

The grants boost investment in regional projects that contribute to population and economic growth initiatives and innovative pilots, and importantly, are driven by the community.

Lotterywest's 'Smart Innovative Society' initiative

Optimising our community's talent and capability. This includes investment in the skillsets, toolkits and mindsets of Western Australians, not only to support individuals and ideas to thrive, but to build a more diverse, resilient community and economy. Lotterywest selected Spacecubed to deliver grants, 'constellation' groups and the development of an Innovation Index by which to measure performance of this initiative.

For more information, visit: www.meshpoints.com/





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