



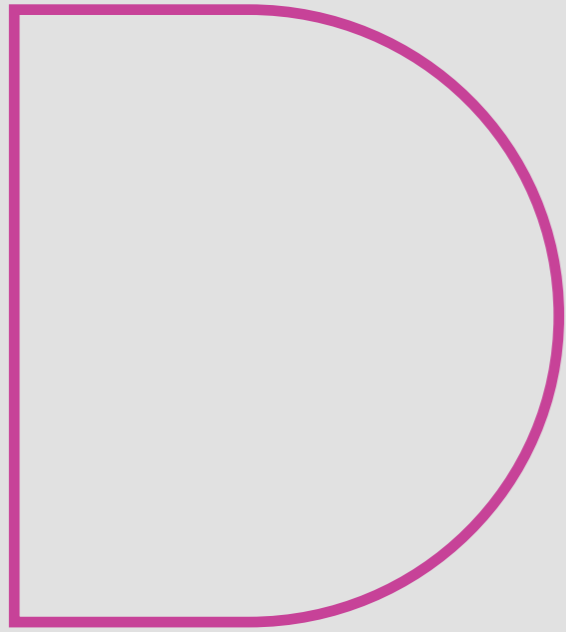
DEAKIN
UNIVERSITY

Geelong Future Economy Precinct

Infrastructure to drive
Geelong's future economy

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Acknowledgement

We respectfully acknowledge the Wadawurrung people of the Kulin Nation as the Traditional Custodians of the land on which Deakin University's Waurn Ponds campus stands. We pay our respects to their Elders past and present, and to their Ancestors, and acknowledge their continuing custodianship, care and connection to Country over many thousands of years. We recognise that sovereignty over Country was never ceded.

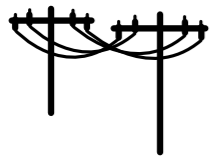


► The Precinct

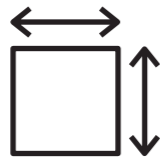
The Geelong Future Economy Precinct is driving Geelong's future knowledge economy, offering unparalleled equipment and infrastructure. Based in Waurm Ponds, the 325-hectare site is home to a multitude of businesses and industry partners contributing to a vibrant manufacturing industry in the Geelong region.



World-leading research and innovation



High-voltage power supply connected directly to the distribution network



Large-scale 325ha site



Links via road, sea, air and rail



Sustainable infrastructure design



High speed network fibre connection available via Telstra and AARNet services



Geelong Future Economy Precinct



World-leading research

The Geelong Future Economy Precinct is fast becoming Victoria's epicentre of world-leading research and innovation in advanced manufacturing, materials, energy, sustainability, technology, health, and high-value agriculture.

The site integrates Deakin's high-level research capabilities with specialised research equipment and industrial-scale infrastructure.

In just over six years, 2,000 jobs have been created through industry partnerships and co-location opportunities with several of Australia's – and the world's – leading advanced manufacturers who call the Precinct home.

Ideally located and fit-for-purpose

Less than one hour's drive from Melbourne and 15 minutes from the Geelong CBD, the Precinct's location means that it is ideally positioned to contribute to the wealth of innovation taking place across Melbourne and Victoria.

It boasts a diverse set of transport options, connections and infrastructure to meet the needs of partners located on site.

In just over six years, 2,000 jobs have been created through industry partnerships and co-location opportunities.

▶ Working towards a sustainable future

Deakin has an enduring commitment to advancing sustainability and has embedded sustainability into its infrastructure design standards.

Sustainable infrastructure

At the centre of Deakin's sustainability goals are two commitments:

- 1) to be carbon neutral, using 100 per cent renewable electricity, by 2025; and
- 2) to become carbon negative by 2030.

Since its completion in 2021, the 7.5 megawatt Renewable Energy Microgrid has played a substantial role in helping Deakin to reach its sustainability goals. Through partnerships with Mondo and AusNet, the Solar Farm and battery storage system have become key components of the Geelong Future Economy Precinct, supplying energy to 44 per cent of the campus. Integration of the Building Automation System (BAS) for managing the University's HVAC, lighting and energy assets has also improved the energy efficiency and optimisation of all buildings throughout the Precinct and new developments.

Through a variety of initiatives, Deakin has reduced landfill waste by up to 25 tonnes annually. The progression of Deakin's partnership with Close the Loop has been a major contributor to this achievement. The partnership enables Deakin to transform soft plastics and ink cartridges that are usually thrown away into a sustainable asphalt product called Reconophalt. This was recently used for the surface of the Epworth Place Roadway Extension.


Trailblazer

Deakin University is spearheading the largest recycling and clean energy advanced manufacturing ecosystem in Australia, thanks to \$50 million in funding from the Federal Government's inaugural Trailblazer Universities Program.

Deakin is working with governments, industry and education partners to establish a multi-billion dollar bioeconomy in Victoria focused on clean energy, recycling and greener supply chains. The Recycling and Renewable Energy Commercialisation Hub (REACH) is set to generate more than \$1.4 billion in revenue and 2,500 jobs within the next decade.

"REACH will lead a sustainable manufacturing revolution, pushing the limits of technological innovation and driving solutions for a cleaner, greener future."

- Iain Martin, Vice Chancellor



Deakin has seen immensely positive results towards the CN2025 target, including a 55% reduction in energy use, a 59% decrease in water use and a 46% reduction in landfill waste since 2019.

▶ Commercialisation

The Geelong Future Economy Precinct is a world-leading innovation precinct generating high-value knowledge economy jobs for the region. It offers an enviable quality of life, dedicated infrastructure and the potential to build on its current success.

Equity value generation

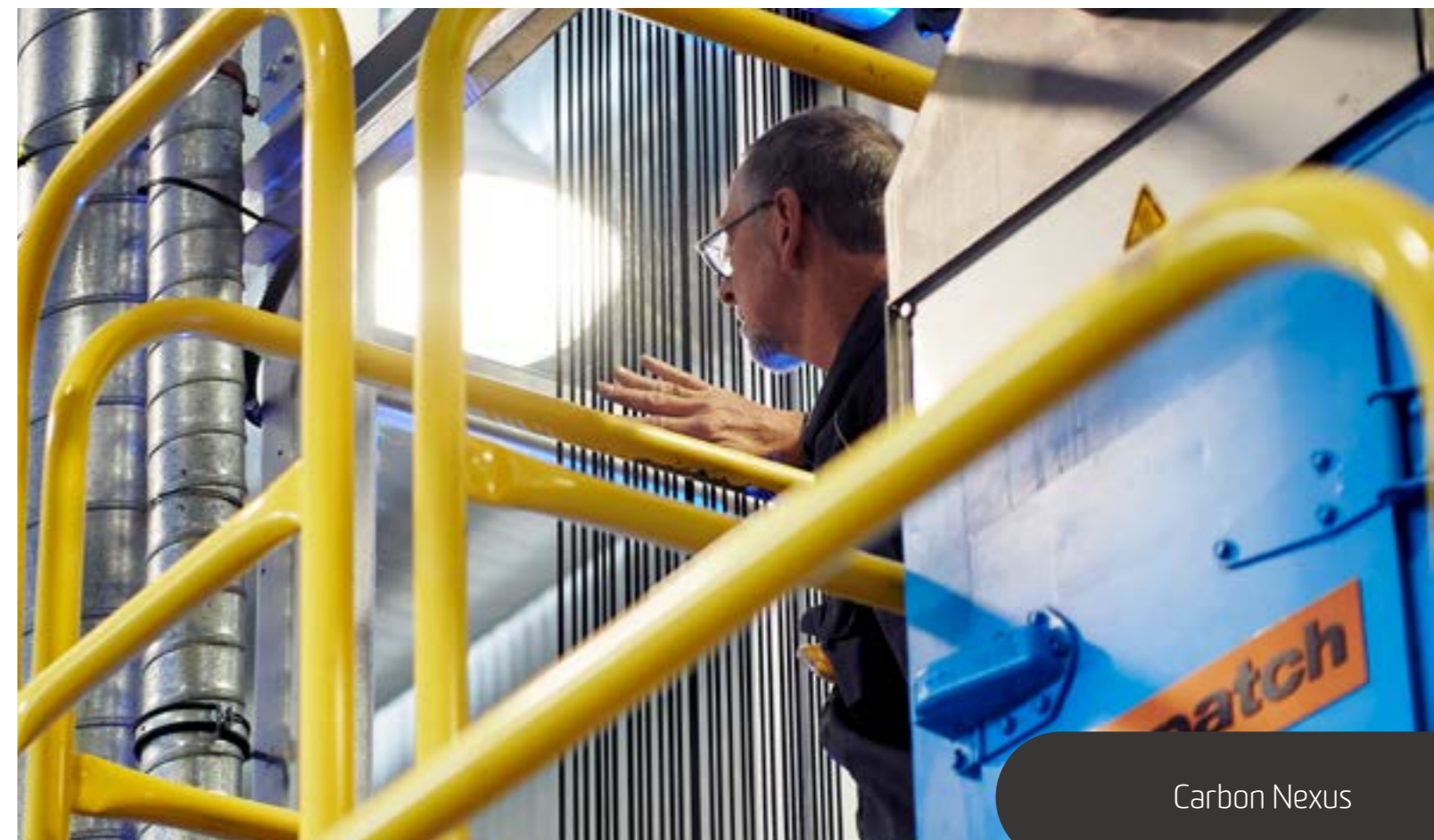
Deakin University is the number one university in Australia for equity held in start-up and spin-out companies and second only to CSIRO among all universities and research and development organisations across Australia and New Zealand, generating ~\$520 million value from commercialisation from 2020 to 2022 (Knowledge Commercialisation Australasia - SCOPR™ 2022). In the same period Deakin ranked tenth overall for the number of active entities created, with a strong focus on recycling and clean energy.

In a few short years, Deakin's business equity portfolio has grown to include 18 joint ventures and other vehicles with a market value of ~\$1 billion. This includes companies such as FLAIM, Universal Motion Simulation, Partington, Carbon Revolution, BNNT Technology Limited and Li-S Energy.

Success has been built on a strong infrastructure and property pipeline, industry orientation, and a unique and effective ecosystem based around our ManuFutures project and the Geelong Future Economy Precinct.

"The Geelong Future Economy Precinct is an important area of partnership with SMEs and our communities. We are deploying our combined capital, innovation expertise and training capabilities to lead commercialisation and create local jobs, building on Victoria's global reputation now and into the future."

- Professor Matthew Clarke, Deputy Vice-Chancellor Research



Carbon Nexus



"Investing in research and development, building a highly-skilled workforce and collaborating with research institutions all feed into this technical leadership, and we are very proud of our ongoing relationship with Deakin University. This partnership offers access to state-of-the-art laboratory and testing facilities as well as research capabilities that are truly world class."

Jake Dingle
CEO, Managing Director, Carbon Revolution

▶ Developments and industry partnerships

The Geelong Future Economy Precinct continues to develop its research hubs and facilities with its industry partners, focusing on affordable clean energy and revived manufacturing. The Precinct aims to contribute to one of Australia's most successful regional economies by investing in regional capability and capacity.

▶ Success and collaboration

A number of success stories have come out of the Geelong Future Economy Precinct. Here is how real-life collaboration and our partners have achieved positive research and work outcomes.

Carbon Revolution

Founded in 2007, Carbon Revolution is a global technology company and tier-one original equipment manufacturer (OEM) supplier that has successfully innovated, commercialised and industrialised the supply of lightweight carbon fibre wheels to the global automotive industry. Created to bring disruptive efficiency technology to all vehicles, Carbon Revolution has been able to progress from single prototypes to designing and manufacturing wheels for some of the most prestigious brands in the world. Proudly producing some of the most technically advanced and highest-performing wheels on the planet, Carbon Rev now has more than 50,000 wheels on the road.

ManuFutures

ManuFutures is Australia's leading advanced manufacturing incubation and acceleration hub, helping businesses to fast-track success through its unique facilities, programs and services. This purpose-built innovation hub provides a link between proof-of-concept and full-scale production.

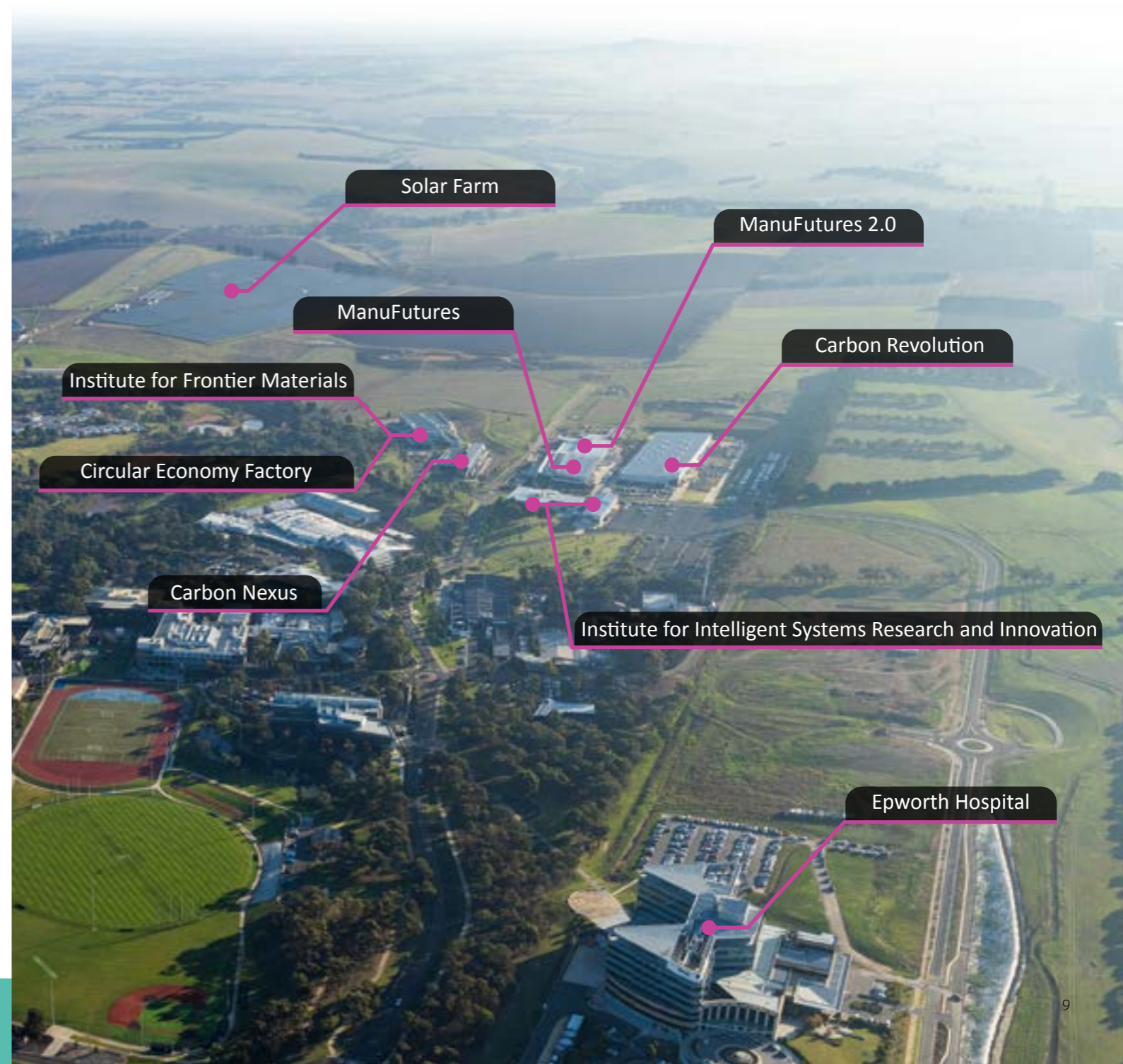
ManuFutures has been a significant and growing part of Deakin's success since its establishment in 2018, helping to create more than \$1 billion in company value, hosting over 500 student placements and creating more than 120 direct new jobs.

The Hub doubled in size thanks to a \$20 million contribution from the Victorian Government under the Victorian Higher Education Investment Fund. The ManuFutures 2 facility accommodates an additional 10 enterprises.

FormFlow

Established in 2016, FormFlow is an example of the successes that have come from the Geelong Future Economy Precinct. The company developed a world-first metal-forming process that has been used to create a unique range of products for the building industry. Reaching national and global markets, FormFlow has thrived, outgrowing its space within the Precinct and now operating out of its own Geelong location.

In 2021, the company was unanimously voted the winner out of a pool of more than 40 great innovations in Season 4 of Channel Ten's 'Australia by Design: Innovations'.





► Current developments

There are several joint initiatives in place to drive the continuing development of the Geelong Future Economy Precinct.

Manufutures 2

Construction of Manufutures 2 has seen the original Manufutures double in size. This expansion supports additional enterprises and new jobs, with more to be created as the businesses mature.

Manufutures X

Manufutures X (MFx) will underpin further expansion with the development of industrial units suitable for use in recycling, clean energy and advanced manufacturing. This will provide additional units to support partners that require larger-scale manufacturing and production facilities not available in Manufutures 1 and 2.

Next Generation Motion Simulator

Australia's Next Generation Motion Simulator Platform (Model S3 from Ansible Motion) is based within the Institute for Intelligent Systems Research and Innovation (IISRI) and is establishing Deakin as a global leader in advanced research and innovation in driver-based and autonomous mobility technologies.

► Deakin 2030 and beyond

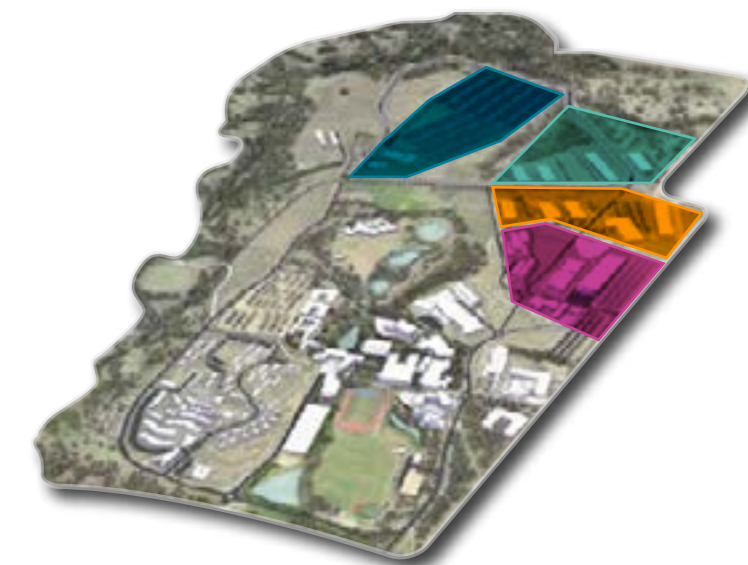
The Waurin Ponds campus will continue to leverage its enviable natural and educational assets to promote increased collaboration, high-value employment and innovation within the Geelong Future Economy Precinct, evolving as a climate-ready campus exemplar and a model for academic excellence.

Construction stages

Stages 1 and 2 of the Precinct are partially developed, with land dedicated to Stages 3 and 4 located to the west. Ongoing development within the Precinct will deliver carefully planned industry research and partnership developments that are fully integrated with the broader campus's sustainability, teaching and learning aspirations.

Future developments will:

- carefully nestle infrastructure within the existing landscape, working with the campus's topography and responding to its unique setting
- enhance connections to the adjacent landscape by maximising porous building interfaces while facilitating passive design
- express best-practice sustainability throughout the campus
- benefit from mixed-use hubs between campus precincts, including the academic core and the Epworth precinct
- establish courtyards, hubs and green nodes; and
- provide sustainable transport network connections.



- ▲ Stage 1
- ▲ Stage 2
- ▲ Stage 3
- ▲ Stage 4



► More information



The Geelong Future Economy Precinct represents an outstanding opportunity for investment, employment and learning.

Interested in finding out more?

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The information contained in this document was accurate at the time of publication, however projects are subject to change in accordance with evolving circumstances and further consultation.