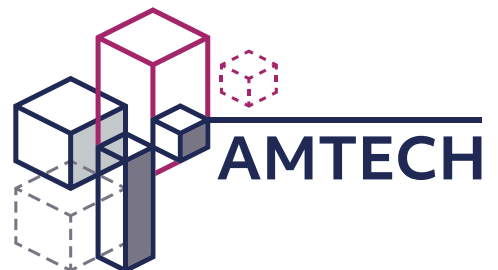


AMTECH

Advanced Manufacturing and Technology Hub



PLANNING NOW,
TO MANUFACTURE
**JOBS OF THE
FUTURE**



What is AMTECH

Advanced manufacturing is identified as a priority cross-sector enabler for Western Australia to help grow and diversify the economy, create jobs, and secure the State's future prosperity.

In the South West region of WA, manufacturing is a key economic contributor with significant scope for advancement through the uptake of technologies and expertise that will increase global competitiveness and domestic production.

To unlock this potential, the WA State Government provided \$2.465 million to investigate the feasibility of

establishing an Advanced Manufacturing and Technology Hub (AMTECH) in the Bunbury area.

The project supports the State's efforts to diversify the economy, create jobs in new and emerging industries and assist the community and businesses to transition to a clean energy future.

Objectives



Attract

Attract and retain best-in-class businesses and projects to the South West region



Innovate

Access to industry 4.0 technologies including robotic welding, additive manufacturing, AI and big data



Collaborate

Support SMEs to form joint venture partnerships and alliances to bid for major projects at scale with technical capability



Learn

World-leading R&D that supports local industry and businesses to innovate and commercialise their intellectual property



Upskill

Targeted education and training for students, apprentices and workers to advance their technical skills alongside industry

Key pillars

Conceptually AMTECH is defined into six integrated pillars that together create an eco-system to support advanced manufacturing excellence.

Common User Facility

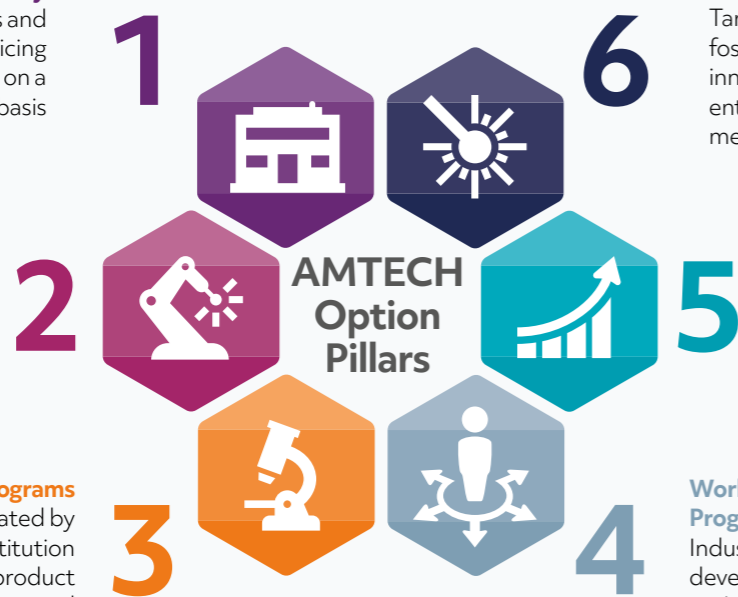
Multi-use facilities and infrastructure servicing a variety of users on a project-by-project basis

Advanced Manufacturing Precinct

Serviced business park with varying lot sizes, inclusive of an Industry Development and Skills Centre

R&D Programs

Facilities operated by a tertiary institution to provide product development support and commercialisation services



Start-up Programs

Targeted initiatives to foster next-generation innovators and entrepreneurs through mentorship and support

Industry Accelerator Programs

Financial and non-financial measures to support existing manufacturers to grow and develop resilience

Workforce Development Programs

Industry-led skills development, new courses and work-integrated learning to upskill workers



The Vision

Create a world class Advanced Manufacturing and Technology Hub (AMTECH) in the South West region of Western Australia.

Led by industry, supported by government

From the onset the vision to create an Advanced Manufacturing and Technology Hub (AMTECH) in the South West has been driven by industry's aspirations.

Industry leaders have unanimously voiced concern that technological change is outpacing knowledge and skills, and that industry-based training is essential to meet current and future needs.

Since 2020, the South West Development Commission (SWDC) has brought together industry, educators, and government for a series of round table discussions to plan a way forward to support business growth and unlock the region's potential.

This consultation is ongoing. Locally an Industry Leaders Group (ILG) provides strategic advice to government on market opportunities and how local enterprise can

compete at a global level. The ILG is represented by the manufacturing supply chain, peak bodies, business groups, workers union, as well as education and training providers.

Within government, AMTECH is recognised as a project of statewide significance, with a multi-Agency Steering Group (ASG) appointed by State Cabinet to ensure alignment across intersecting priorities and portfolios. The ASG is represented by:

- Independent Chair Hon. Clive Brown
- Development WA
- Southern Ports Authority
- Department of Jobs, Tourism Science and Innovation
- Department of Premier and Cabinet
- Department of Primary Industries and Regional Development
- Department of Treasury
- South West Development Commission (lead agency)



Western Australia is planning for the future

Whether onshoring manufacturing to support a clean energy transition or securing the supply chain across a range of critical industries, advanced manufacturing is an investment in our people, our businesses and our future.

Critical success factors:

- Digital transformation and automation
- Uplift in research and development
- Skilled workforce filling high-tech job roles
- Increase global competitiveness
- Joint venture partnerships
- Supply chain security
- Participation in major projects

Why the South West

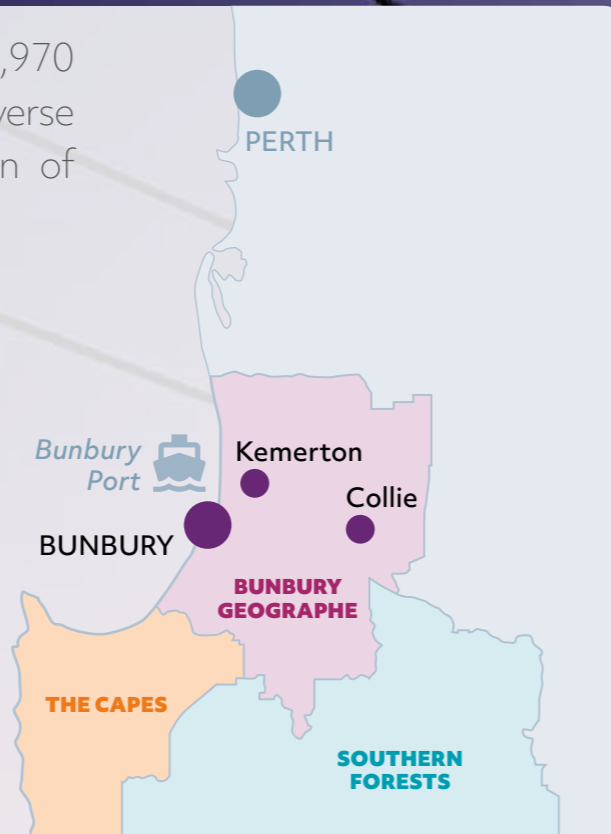
WA's South West covers an area of 23,970 square kilometres and is home to a diverse range of industries and a population of more than 190,000 people.

It is home to the world's largest high-grade hard rock lithium resource and the base for global lithium hydroxide processing facilities.

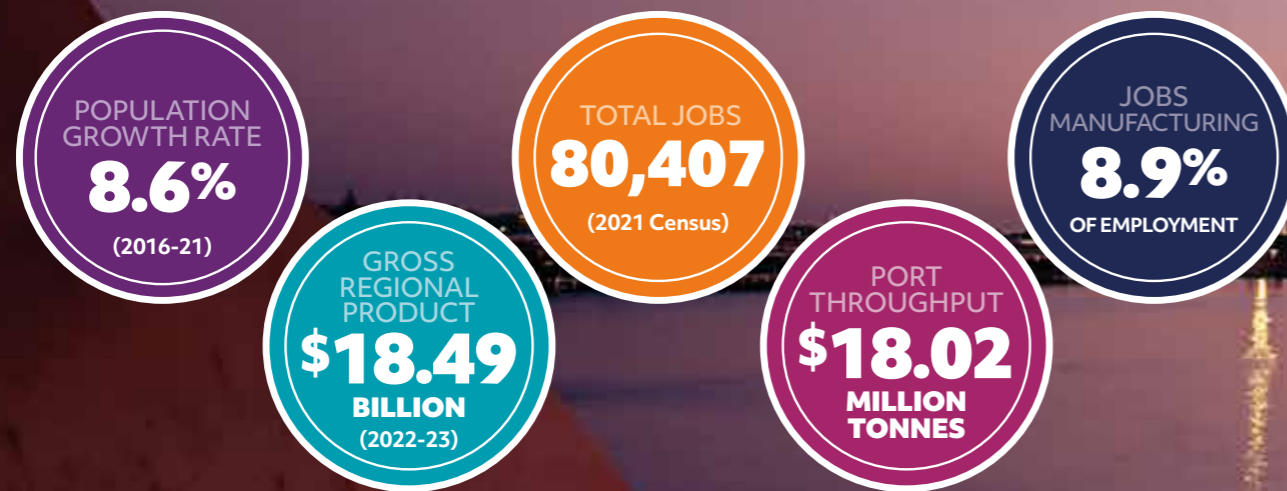
The region's trade is supported by the Port of Bunbury, which has the largest land holding of any port in Australia and capacity for significant growth to accommodate new and emerging industry.

Manufacturing is the highest earning industry in the South West accounting for over 23 per cent of total economic output valued at \$9.74 billion annually.

Market leading Original Equipment Manufacturers (OEMs) designing and engineering solutions for the mining industry and global supply chains are proud to call the South West home.



At a glance



Western Australia's South West

- a place where lifestyle, industry and new career opportunities come together
- creating an exciting place to live, work and invest.

Comparative advantages

The South West is the most populated regional area in WA and the most economically diverse. It is strategically located close to Perth and serviced by a well-connected transport network.

The region is naturally resourced with a wealth of critical minerals and growing capability as a major global player in processing minerals for the renewables sector.

With existing energy transmission infrastructure servicing the lower half of the State, and an abundance of renewable energy sources, particularly wind and solar, the region is poised to lead the clean energy revolution.

Proximity to key markets and accessibility through the Port of Bunbury provides unprecedented opportunities for growth and innovation leveraging the region's strengths in critical minerals, manufacturing capability, workforce adaptability and land for industry.

The South West offers a unique opportunity to establish a precinct that co-locates industry, research, education and training in an environment that supports manufacturing businesses to collaborate and develop product and systems innovation.

Creating sustainable jobs



Our people are our most valuable resource!



Supporting the growth of advanced manufacturing is about protecting jobs and the future of our industries. Jobs that are evolving as technology increasingly reshapes industry.

To this end, a critical success factor for AMTECH is the addition of an Industry Development and Skills Centre (IDSC) with state-of-the-art research, education and skills training facilities.

Skills shortages are impeding productivity across a range of industries. This is exacerbated in the manufacturing sector where technological change is outpacing skills and workers often lack opportunities to upskill.

This IDSC is designed to address this gap, bringing industry and education together to collaborate in an environment of research, learning and practical industry-ready skills training to solve manufacturing challenges and accelerate digital transformation.

Situating the IDSC as part of an advanced manufacturing precinct brings education to industry in a uniquely designed environment that integrates R&D, workforce development programs, industry accelerator programs and start-up programs to foster next generation entrepreneurs.

It is all part of the plan to support our communities to transition and prepare for the pipeline of jobs needed to support new industries.

By strengthening the partnerships between industry, education and research we aim to elevate education and training opportunities within the region and increase participation across a broader cross-section of the community, including women and First Nations people.

Planning for the future

AMTECH supports the State Government's work to diversify the economy, create jobs in new and emerging industries and assist the community and businesses to transition to a clean energy future.

The Feasibility Report, which was submitted to government in May 2024, demonstrates the viability of the proposed model, options for staged development and the role that government and industry will play in activating the precinct.

The report highlights opportunities to build manufacturing capability to support a range of industries, including wind energy, critical minerals downstream processing and battery supply chains, decommissioning, and other industries such as defence, transport, agriculture and food.

AMTECH is ideally positioned to deliver on State and Commonwealth priorities that support investment in Australia's industrial base, manufacturing capability and economic sovereignty.



Next steps

Further detailed investigation is underway to inform a business case and implementation plan.

The business case, which is due for completion in the coming months, will provide the rationale for investment and include design costings, cost benefit analysis, operational modelling, industry partnerships and options for the development of infrastructure and industry programs.

Importantly, the business case will highlight how all levels of government, education and the commercial sector will work together to realise AMTECH's potential to grow the State's advanced manufacturing capability.



We acknowledge the traditional custodians of country throughout the South West and recognise their continuing connection to land, waters and culture. We pay our respects to their Elders, past, present and emerging.



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