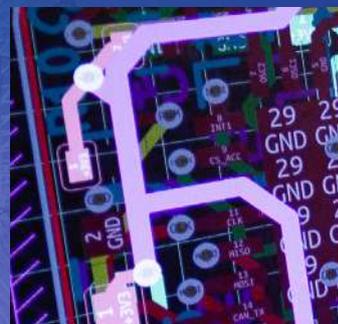
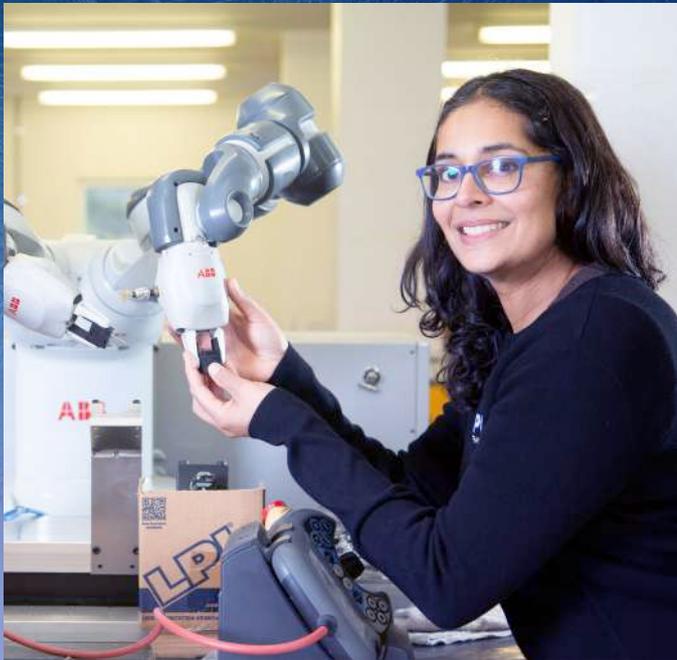
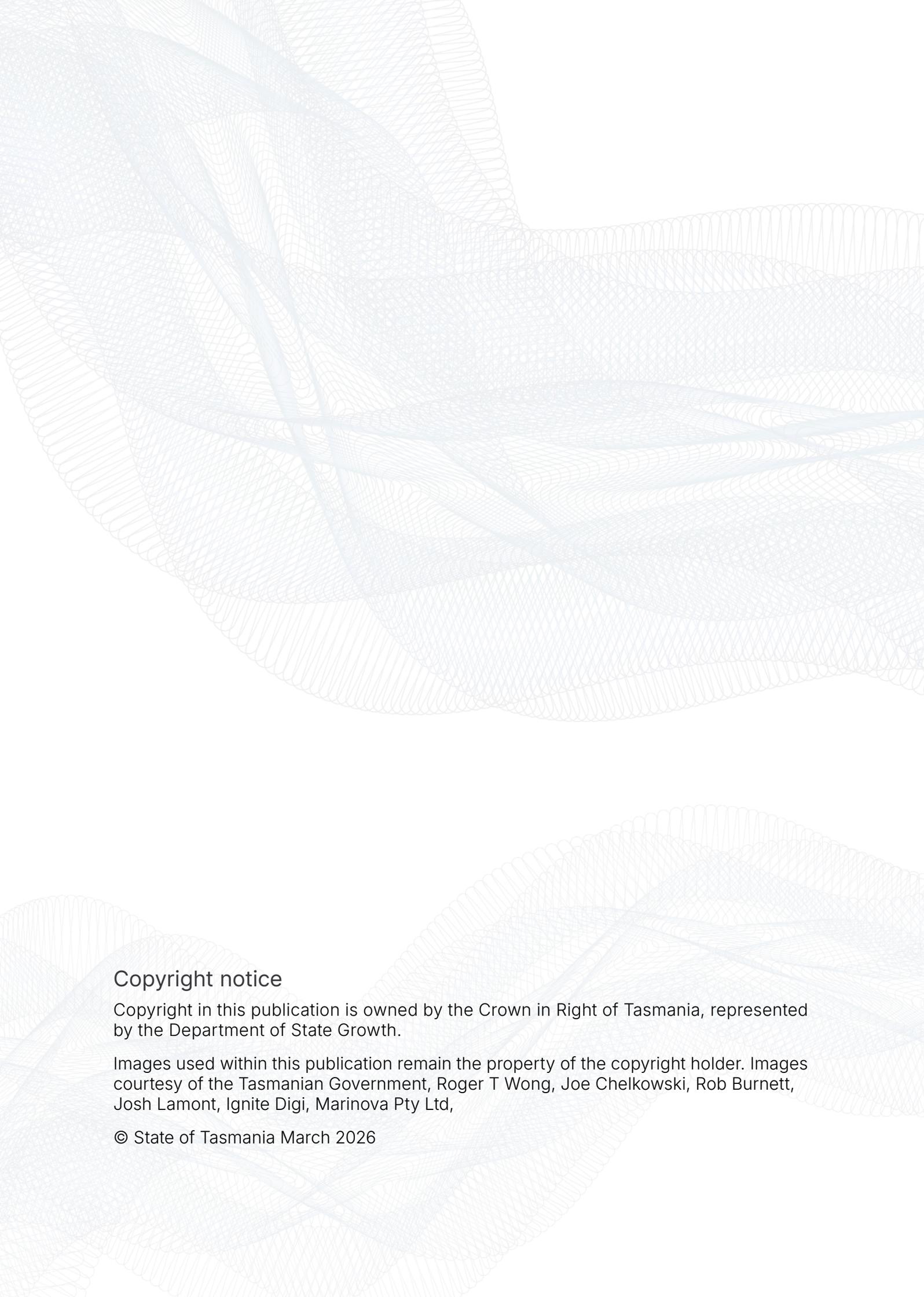


Advanced Technology Strategy

Embracing the future, today

March 2026





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Acknowledgement of Country

In recognition of the deep history and culture of this island, we acknowledge and pay respect to Tasmanian Aboriginal people as the traditional and continuing custodians of the land, sea, waterways and sky of Tasmania, and we pay our respects to Elders past and present.

Minister's foreword



We live in an extraordinary time. The pace of technological change and disruption is intensifying across the globe. Artificial intelligence (AI), autonomous vehicles, humanoid robots and synthetic biology are no longer future possibilities. They are here now, reshaping how we live, work and interact.

For Tasmania, embracing these technologies is critical. Our economy has real strengths, but we face an ongoing productivity challenge that is holding back our full potential. If we want better jobs, stronger businesses, and more opportunities for the next generation, we need to act now.

Advanced technologies offer a practical way to address this challenge. By working smarter across all sectors, we can lift productivity, unlock innovation and build competitiveness. A more productive economy is a more resilient one.

Tasmania is well placed to act on this opportunity. Our island is powered by renewable energy. We are the gateway to Antarctica and the Southern Ocean. Our geology, geography and environment set us apart. We have world-class researchers, cutting-edge manufacturers, innovative businesses, and a culture of creativity and collaboration that gives us a genuine edge.

The Advanced Technology Strategy is about harnessing these strengths and preparing Tasmania for the future. It is designed to work in conjunction with the *Digital Tasmania* strategy, which is focused on the essential foundations of the digital economy, digital government and digital inclusion. Together, they align effort across the state to build a stronger, future-ready Tasmania empowered by technology and innovation.

I thank everyone who provided valuable input, insights and feedback. This strategy reflects your contributions. Bringing it to life will take shared effort across government, industry, research and academia. I now invite you to join us in putting it into action.

A handwritten signature in blue ink that reads "Madeleine Ogilvie".

Hon Madeleine Ogilvie MP

**Minister for Innovation, Science
and the Digital Economy**

Summary

Global economies are being reshaped by rapid technological change. Artificial intelligence, autonomous systems, robotics, and remote sensing are fundamentally changing how companies, industries, and nations compete.

For Tasmania, how well we respond to this shift will define our future competitiveness and resilience. Productivity remains our central challenge. It is the engine that creates opportunity, enabling higher wages, stronger businesses, and the public resources we need to invest in our future.

Working smarter, not harder, is the essence of productivity. Advanced technologies are the smartest tools available to us. If we can harness these technologies quickly and effectively, Tasmania can transform its economic performance and set a new course for long-term prosperity.

The purpose of the Advanced Technology Strategy is to enable this transformation by accelerating the development and adoption of advanced technology across our economy.

It focuses on four strategic priority areas:

1. Adoption: accelerating the uptake of advanced technology across all sectors.
2. Innovation: mobilising collaborative networks that build advanced technology solutions.
3. Capability: deepening the advanced technology skills and readiness we need.
4. Infrastructure: strengthening the platforms that make advanced technology work.

Our ambition is sustained, measurable progress on productivity and a more diverse, resilient economy. This strategy sets the direction. Action plans will translate it into prioritised initiatives, delivered through partnerships across government, industry, research and education.

The Advanced Technology Strategy is closely aligned with the Digital Tasmania strategy, which strengthens the essential foundations of our digital economy, digital government and digital inclusion.



How we consulted

This strategy was shaped by an extensive program of research and consultation. It included industry roundtables, targeted interviews, and a public consultation paper inviting input from all Tasmanians.

Strategy on a page

Our vision

A dynamic Tasmania, empowered by technology and innovation

Our purpose

Accelerate advanced technology adoption and innovation across Tasmania to lift productivity and enable a more resilient and diverse economy.

Our priorities

Adoption

Accelerating the uptake of advanced technology across all sectors.

- Economic prioritisation
- Sector transformation agendas
- Cross-sector knowledge transfer
- Streamlined support
- Public sector leadership

Capability

Deepening the advanced technology skills and readiness we need.

- Strategic leadership
- Integrated skills pathways
- Aligned stakeholders
- Adaptive organisations
- Workforce mobility

Innovation

Mobilising collaborative networks that build advanced technology solutions.

- Cross-sector networks
- Cluster development
- Strategic research partnerships
- Aligned co-investment
- New venture cultivation

Infrastructure

Strengthening the platforms that make advanced technology work.

- Diverse global connectivity
- Enhanced regional connectivity
- High performance computing
- Integrated research infrastructure
- Shared data platforms

Action plans

- The strategy will operate through a regular cycle. Action plans will identify priority challenges and specify initiatives across the four strategic priority areas. Priorities will be reviewed and adjusted each year as conditions evolve.
- Action plans will set clear, meaningful measures of performance. Progress reports and scorecards will be published to show how actions are being delivered and what's been achieved.

Immediate actions

Accelerating adoption	<ul style="list-style-type: none">• Develop an advanced technology adoption framework, in partnership with the technology sector, to help businesses and industries assess their readiness and build practical plans for technology-led transformation.• Develop a small business digital inclusion and capability support package to help businesses understand and adopt technology to drive productivity and innovation, including through increased awareness of AI and cyber security best practice.
Mobilising innovation	<ul style="list-style-type: none">• Establish a collaboration agreement with the University of Tasmania to align STEM education, research and innovation effort with industry needs and economic priorities across the state.• Explore the potential for an advanced technology cluster development program, drawing on established partnerships with Washington State (USA) and Bremen (Germany) to apply proven cluster models in Tasmania and support pathways for investment and innovation between regions.
Deepening capability	<ul style="list-style-type: none">• Support the 2026 EdCAT Program to showcase and promote ICT futures, and ensure STEM pathways feature prominently in the career framework being developed under the State's Youth Jobs Strategy.• Engage through the Technology Industry Skills Compact, bringing government and the technology sector together to identify workforce development and training priorities that will inform action plans
Strengthening infrastructure	<ul style="list-style-type: none">• Champion the University of Tasmania (UTAS) STEM precinct as critical infrastructure for Tasmania's technological transformation and economic diversification.• Progress opportunities to enhance Tasmania's critical on-island and off-island digital infrastructure in partnership with industry and the Australian Government.

Why a strategy?



Why now?

Advanced technologies are fundamentally changing the global economic landscape. Across the world, nations are moving decisively to secure their place in this new industrial era.

The Australian Government has responded with a comprehensive suite of initiatives, including the Future Made in Australia policy, the Critical Technologies Statement and the National AI Plan. These initiatives reflect an urgent national priority to boost economic dynamism and resilience through technology. This urgency is sharpened by Australia's productivity growth reaching its lowest level in 60 years, which is constraining wage growth and the capacity for public investment.¹

Technology is central to the national reform agenda. AI adoption alone is projected to offer a \$116 billion opportunity to the Australian economy over the next decade.² The Advanced Technology Strategy is our roadmap to ensure we are not just observers of this transformation, but active participants.

This strategy, alongside the Digital Tasmania Strategy, aims to build the foundations and capabilities Tasmania needs to respond to these changes with confidence, and to ensure the benefits of technology are shared by all.



Our productivity challenge

While our economy remains resilient, we face persistent structural pressures that require a new approach. Tasmania's ageing population is tightening labour supply, while workforce participation remains below the national average. We face skill shortages in essential areas, from healthcare and the trades to engineering and digital roles.³

Our central challenge is a productivity gap that continues to lag the national average. This is driven by our unique industry mix, the smaller scale of many Tasmanian businesses, and an uneven uptake of new technology.⁴

These factors often create a restrictive cycle: limited scale makes it harder to invest in technology, which stalls productivity, which in turn constrains the very wages and investment we need to grow.⁵

Breaking this cycle requires a deliberate and coordinated effort. By accelerating technology adoption, we can support our businesses to reach new scales, empower our workforce with future-ready skills, and shift Tasmania onto a trajectory of sustained, long-term prosperity.

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- 1 Productivity Commission (PC), *Growth mindset: how to boost Australia's productivity*, PC, 2025 (<https://assets.pc.gov.au/2025-08/growth-mindset.pdf?VersionId=TtOKpFa.VTm.enJfUhuO6ISY5SgYgAwe>)
 - 2 Productivity Commission (PC), *Harnessing data and digital technology*, PC, December 2025 (<https://www.pc.gov.au/inquiries-and-research/data-digital/report/>)
 - 3 Jobs and Skills Australia (JSA), *Occupation Shortage List 2025*, JSA, 2025 (<https://www.jobsandskills.gov.au/data/occupation-shortage/occupation-shortage-list>)
 - 4 Regional Development Australia (RDA), *Tasmania Economic Review 2025*, RDA, April 2025 (<https://rdatasmania.org.au/tasmaniaeconomicreview>)
 - 5 Eslake, S., *Tasmania's Productivity Challenge*, October 2025 (<https://www.sauleslake.info/tasmanias-productivity-challenge/>)

Why advanced technology?

Advanced technology refers to complex systems that go beyond basic digital tools. They sense, analyse and act, often in real time, by integrating software, data and physical operations. Used well, these technologies transform how work is done and provide new ways to operate and compete. This is where the next wave of productivity gains is likely to come from.

However, transitioning to these technologies is not simple. It often requires specialist expertise across multiple disciplines and the careful integration of digital systems with physical operations. It often depends on strong data, computing capacity and reliable digital and energy infrastructure. Adoption can also require planning, testing, and significant investment in equipment, software, business systems and workforce skills. These barriers are why a coordinated approach is needed across Tasmanian industry, government, research and education sectors.

What this strategy aims to deliver

The purpose of this strategy is to accelerate advanced technology adoption and innovation across the Tasmanian economy. Our goal is to drive three interconnected economic outcomes:

1. Lifting economy-wide productivity

To lift productivity growth, we must tackle the barriers to advanced technology adoption. Because sectors start from different baselines, we will combine sector-specific pathways with strengthened economy-wide enablers that make adoption practical. We will focus our effort where the productivity gains are highest, so Tasmania captures benefits at scale.



How this strategy fits

2. Strengthening resilience and competitiveness

Tasmania's economy must adapt to supply chain disruptions, rapid technological change, climate pressures, rising costs, and skills shortages, while competing in increasingly demanding markets. Advanced technologies give industries practical tools to improve performance, adapt faster, and build resilience.

This requires moving beyond incremental improvements. We need to concentrate effort on the industry challenges that matter most, and where technology can deliver the greatest impact.

3. Enabling economic diversification

To diversify our economy, we must shift toward higher-value products, services and exports. By solving priority industry challenges with local customers, Tasmanian firms and new ventures can develop and prove solutions here, then scale into national and global markets. We will focus our effort on the platforms and networks that turn solutions into new industries, so Tasmania builds new, durable sources of growth.

The Advanced Technology Strategy is a key component of Tasmania's broader economic and industry policy architecture. It works in tandem with other strategies to ensure our efforts are coordinated and impactful.

The forthcoming Economic Diversification and Investment Strategy defines where Tasmania will focus economic development effort, including priority sectors, diversification pathways and investment. The Advanced Technology Strategy sets how these priorities will be addressed through technological transformation and innovation.

Alignment is further reinforced through strategies that prioritise technology adoption and innovation across specific industries or domains, including manufacturing, agriculture, defence, Antarctic, critical minerals, renewable energy, small business and trade (see Appendix A).

The Advanced Technology Strategy integrates closely with the Digital Tasmania Strategy, which strengthens the essential digital foundations of our economy, government and community — including digital skills, digital services, data governance, cybersecurity and connectivity.

Economy-wide transformation

Advanced technology is impacting every part of the Tasmanian economy. The integration of AI, robotics, autonomous vehicles, smart sensors, edge computing and remote sensing is enabling new ways of working across all sectors.

Tasmanian sectors and industries	Jobs	Output	Advanced technology examples
Agriculture Farming, aquaculture, forestry, fishing, agricultural services	14,100	\$7,758m	Precision agriculture, autonomous harvesting, smart irrigation, microbiome engineering
Mining Coal, metal ore, quarrying, mining services	6,800	\$2,856m	Automated drilling, autonomous hauling, orebody imaging, sensor-based sorting, predictive maintenance
Manufacturing Food, beverages, textiles, timber, paper, printing, chemicals, plastics, building materials, metals, fabricated metals, vehicles, machinery, furniture	18,300	\$6,632m	Rapid prototyping, additive manufacturing, predictive maintenance, automated inspection, digital twin simulation
Utilities Electricity, gas, water, waste and recycling	4,700	\$3,117m	Smart grid management, demand forecasting, battery storage optimisation, waste-to-energy systems
Construction and property Buildings, civil works, construction trades, real estate	19,500	\$5,720m	Modular construction, digital building modelling, smart building systems, low-carbon materials
Transport and logistics Road, Rail, Water, Air, Specialised Transport, Postal and Courier, Logistics Support, Warehousing	10,600	\$4,125m	Autonomous freight, intelligent transport systems, drone inspection, route optimisation, maritime situational awareness
Wholesale Raw materials, machinery and equipment, vehicles, grocery, general wholesale, commission-based	5,300	\$2,019m	Demand forecasting, inventory optimisation, cold chain monitoring, digital ordering platforms
Commercial services Professional services, administrative services, cleaning and packaging	17,800	\$4,312m	AI-assisted research and analysis, workflow automation, automated compliance, digital service delivery
Financial services Banking and finance, insurance and superannuation, financial services	4,700	\$2,814m	AI-based fraud detection, automated advice, real-time transaction monitoring, agentic trading, stablecoins

Tasmanian sectors and industries	Jobs	Output	Advanced technology examples
Information and communications technology Telecommunications, internet and data services, computer and software systems	4,200	\$1,434m	AI-assisted software development, agentic AI systems, edge computing, quantum computing
Media Publishing, movies and music, broadcasting, library and archiving	2,000	\$751m	AI-generated content, immersive media, automated transcription, digital rights management
Retail Vehicles, fuel, food, household and personal, online and direct	17,100	\$5,131m	AI recommendation engines, smart checkout, augmented reality shopping, demand optimisation
Hospitality and recreation Accommodation, food and beverage, museums and parks, arts, sports, gambling	17,700	\$4,289m	Personalised guest experiences, smart occupancy systems, immersive experiences, dynamic pricing
Other services Repair and maintenance, personal services, equipment and vehicle rental	6,100	\$1,277m	Remote diagnostics, mobile workforce management, automated parts identification systems
Education School, tertiary, community and adult	16,500	\$2,563m	Adaptive learning platforms, virtual reality learning, learning analytics, credential verification
Health and social services Hospitals, health services, residential care, social assistance	32,900	\$5,890m	AI-assisted diagnostics, remote monitoring, telehealth, personalised medicine, clinical documentation automation
Government Public administration, defence, police and safety	19,000	\$3,895m	Policy simulation, automated regulatory compliance, AI-assisted policy analysis, predictive service demand modelling, fraud analytics

Source: National Institute of Economic and Industry Research (NIEIR) via economy.id, 2025. Jobs and Output figures as of 2023/24. Sector and industry categories adapted for readability. Technology applications are illustrative, not exhaustive.

Tasmania's advantage



Tasmania has genuine advantages for advanced technology research and innovation

We lead the nation in clean energy.

Tasmania achieved 100 per cent renewable electricity in 2020, with a legislated target of 200 per cent by 2040. No other state can make this claim. A complete, isolated grid, established hydropower and growing wind capacity create ideal conditions for testing. Battery of the Nation and Marinus Link position us as an energy exporter, enabling data centres, AI computing and advanced manufacturing to operate with verified zero-carbon credentials valued globally.



We are Australia's Antarctic and Southern Ocean gateway.

Hobart hosts the Australian Antarctic Division, Institute for Marine and Antarctic Studies (IMAS), the Commonwealth Scientific and Industrial Research Organisation (CSIRO) marine and atmospheric research, and international Antarctic programs. This drives distinctive capability in remote operations, extreme-environment engineering and long-range communications, with applications in remote healthcare, space medicine, bushfire response and defence.

We have a clear view of space.

Our southern latitude and proximity to the geomagnetic pole provide exceptional visibility of polar orbits. UTAS operates Australia's only continent-wide radio telescope array, positioning Tasmania for satellite tracking, space debris monitoring, space traffic management and deep space mission support. The Australian Space Agency has recognised this, investing in Tasmanian infrastructure as a national priority.



We have natural biosecurity advantages.

Island geography provides natural biosecurity boundaries underpinning Tasmania's premium position in food and agriculture. Research through Tasmanian Institute of Agriculture (TIA), IMAS and CSIRO supports sensing and traceability systems that maintain biosecurity while enabling market access. These are technologies with export potential wherever provenance matters.

We have the oldest population in Australia.

Tasmania's median age of 42, four years above the national average, is often framed as a challenge. It is also an opportunity. Ageing pressures will arrive here first, creating a natural testing ground for remote care, assistive technologies, falls prevention and dementia support, backed by the research depth of the Menzies Institute for Medical Research and the Wicking Dementia Centre.

We are the right scale to prove system-wide solutions.

Tasmania's size allows end-to-end testing difficult in larger jurisdictions - a health technology trialled statewide; a grid-scale energy solution tested on a complete system; a biosecurity approach implemented across an entire island economy, then scaled nationally and internationally with demonstrated results.

We have world-leading research in specific domains.

IMAS in marine and Antarctic science; Menzies and Wicking in healthy ageing and dementia; TIA in food systems; the Australian Maritime College in maritime engineering and ship design. This depth creates real opportunity to translate specialised knowledge into commercial technology with global application.



Tasmanian innovation

Tasmania's next wave of innovation is being built on advanced technology, applied to real-world problems by companies with deep expertise.

We are building zero-emission vessels.

Incat is one of the world's leading builders of high-speed aluminium catamarans and now at the forefront of zero-emission maritime transport. Its latest vessel is the largest battery-electric ship ever built, powered by a 40 MWh battery system charged from Tasmania's renewable grid..

We are turning data into decisions that protect people and places.

Indicium Dynamics uses AI-powered vision to detect bushfires early, delivering 120 direct alerts to emergency agencies in the 2024/25 season. Geoneon combines satellite and socio-economic data to map climate risk across 94,000 buildings in Greater Hobart.

We are building technology for extreme and remote environments.

SoSub builds underwater vehicles for diver-free aquaculture inspection, now exported internationally. Fulcrum Robotics delivers unmanned inspection across air, land and

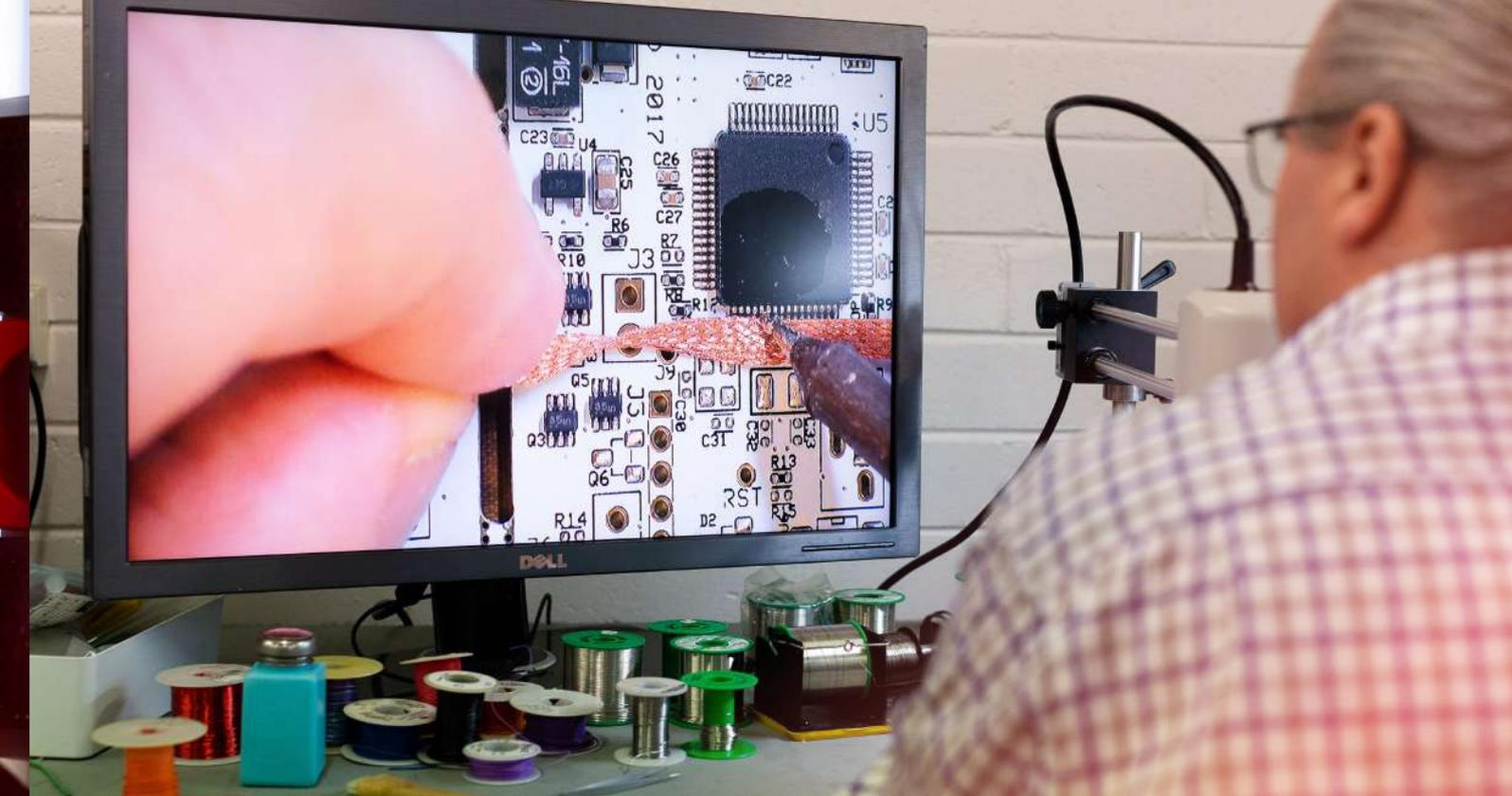
sea. Taz Drone Solutions engineers bespoke platforms for mining, energy, forestry and emergency response. Odyssey Geophysics develops smart seismic systems capturing high-quality subsurface data from the most remote terrain on the planet.

We are engineering the next generation of defence technology.

Currawong Engineering manufactures powertrain systems for UAV platforms used by major global defence primes, embedded in AUKUS programs. PFG Group builds tactical watercraft for allied defence forces and police services. Pivot Maritime supplies portable simulation systems to the US, Australian and New Zealand navies. Fortifiededge partners with Microsoft and Thales to deliver edge-based AI security where connectivity cannot be guaranteed.

We are making agriculture smarter.

Bitwise Agronomy uses computer vision to lift berry yield prediction from 50 to over 90 per cent accuracy across more than 70 growers worldwide. Pasture.io automates pasture measurement for livestock farmers across six countries. AQ1 Systems developed the world's first sensor-based feeding system for shrimp aquaculture, now operating in 44 countries.

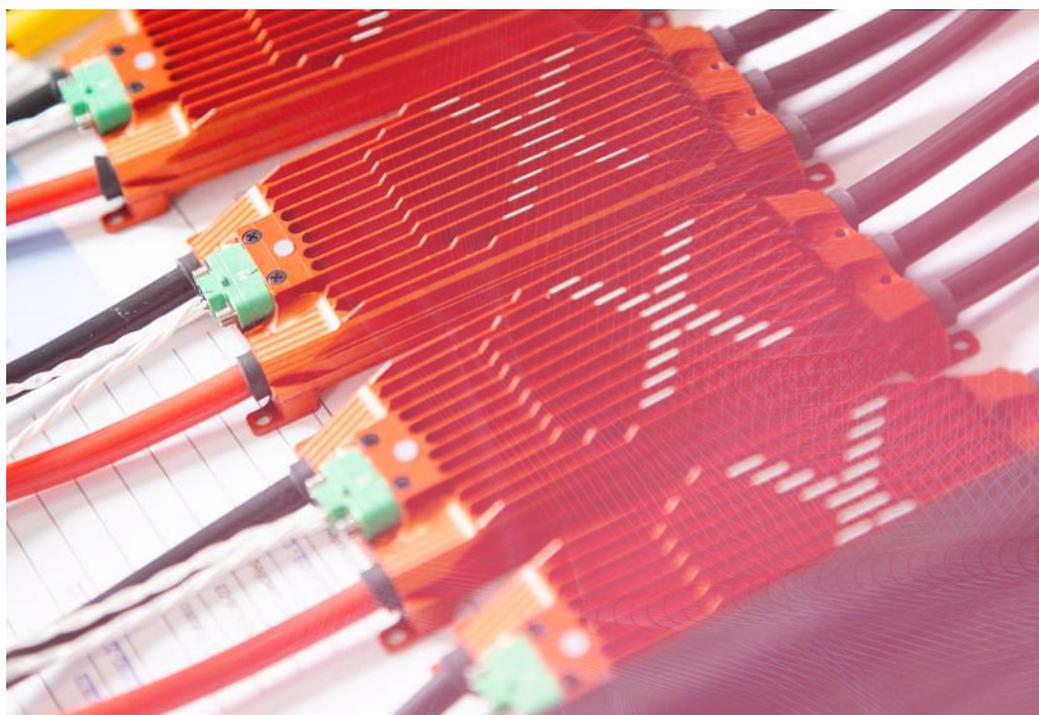


We are building the infrastructure for an AI economy.

Firmus Technologies is developing a large-scale AI compute facility in Launceston, using immersion cooling on renewable electricity. Virtual TAS is constructing a statewide four-dimensional digital twin for environmental analysis and infrastructure planning.

We are pioneering marine biotechnology for global markets.

Marinova produces the world's only high-purity, certified organic fucoidan from brown seaweed, exporting to more than 35 countries. Sea Forest is the world's largest producer of asparagopsis, a red seaweed that reduces livestock methane by up to 90 per cent, now scaling toward 7,000 tonnes a year.



Our strategic priorities



1. Accelerating adoption

Businesses that embrace advanced technology can work more efficiently and compete more effectively. While the potential gains across our economy are substantial, the process of adoption is complex. It requires not only investment and skills, but reliable access to the connectivity and computing infrastructure that advanced systems depend on.

Sectors start from different positions, shaped by their workforce, access to capital, and existing systems. A targeted approach is required: focusing effort where the productivity impact is highest, while strengthening the enablers that help all businesses succeed.

Our intent:

To ensure advanced technology adoption is practical and achievable for Tasmanian businesses, so uptake accelerates and productivity gains flow across the economy.

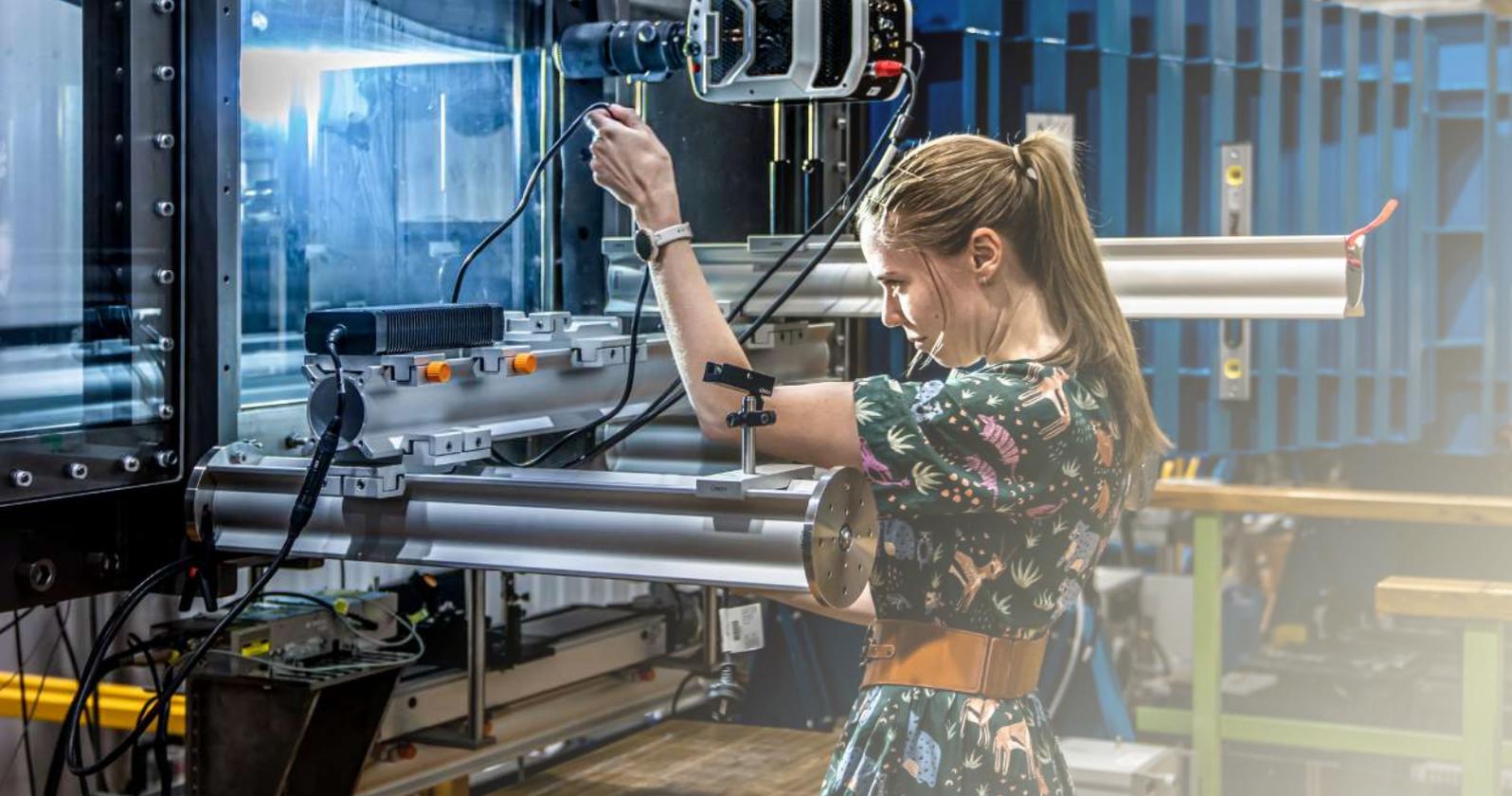
How we will drive change:

- **Economic prioritisation**
Focusing efforts where productivity gains are the highest and aligned with economic policy goals.
- **Sector transformation agendas**
Facilitating sector-led plans that translate goals and constraints into clear technology challenges for local industry and innovators to solve.

- **Cross-sector knowledge transfer**
Connecting local technology sector expertise with industries across the economy to drive faster, more effective adoption.
- **Streamlined adoption support**
Aligning and coordinating funding and other support mechanisms to reduce barriers to advanced technology adoption, particularly for small businesses.
- **Public sector leadership**
Demonstrating transformation through the implementation of AI and productivity-enhancing technologies across the public sector.

Immediate actions

1. Develop an advanced technology adoption framework, in partnership with the technology sector, to help businesses and industries assess their readiness and build practical plans for technology-led transformation.
2. Develop a small business digital inclusion and capability support package to help businesses understand and adopt technology to drive productivity and innovation, including through increased awareness of AI and cyber security best practice.



2. Mobilising innovation

Our innovation system is essential. It turns research and ideas into commercial products and solutions. It creates new businesses that grow, employ and invest, and helps build the type of industries that we need to diversify our economy.

Tasmania has genuine advantages and capability in areas that matter for advanced technology. We can do more to translate that capability into economic value by strengthening links between research and industry, improving pathways from idea to market, and supporting ventures to grow and scale.

Our intent:

To build a collaborative innovation system where advanced technology solutions are developed, tested and proven in Tasmania, focusing our efforts on domains where we have a clear strategic advantage and shared infrastructure to support them.

How we will drive change:

- **Cross-sector networks**
Bringing together industry, researchers and government to co-design solutions for shared, high-priority challenges.
- **Innovation cluster activation**
Facilitating the formation of specialised advanced technology clusters that

leverage Tasmania's distinctive strengths and shared infrastructure.

- **Strategic research partnerships**
Connecting specialist research capabilities directly with industry and government to translate research into practical, commercial outcomes.
- **Aligned co-investment**
Coordinating government, industry and research investment to maximise scale, build investable propositions and attract national and international capital.
- **New venture cultivation**
Cultivating the growth and scale-up of advanced technology ventures, with a focus on stronger research translation and the creation of commercially viable spinouts.

Immediate actions

1. Establish a collaboration agreement with UTAS to align STEM education, research and innovation effort with industry needs and economic priorities across the state.
2. Explore the potential for an advanced technology cluster development program, drawing on established partnerships with Washington State (USA) and Bremen (Germany) to apply proven cluster models in Tasmania and support innovation pathways between regions.

3. Deepening capability

Advanced technology is reshaping industries and the nature of work. Capturing the productivity gains on offer requires workers with specialist skills, leaders with the confidence to drive technology-led change, and organisations with the culture and systems to adapt.

Demand is rising for both the technical expertise and the multidisciplinary skills that advanced technology requires. Strengthening the pipeline from education through to industry and equipping the workforce to move into the roles that technology creates, will be essential.

Our intent:

To strengthen the skills, expertise and adaptability that Tasmanian workers and organisations need to thrive in a technology-driven economy.

How we will drive change:

- **Strategic leadership**
Equipping leaders across industry and government with the confidence and technical fluency to identify, evaluate and drive advanced technology transformation.
- **Integrated STEM and skills pathways**
Aligning education and training pathways, from school through to tertiary levels, with the evolving needs of industry and emerging technologies.
- **Strategic stakeholder alignment**
Driving deeper collaboration between government, industry, tertiary and training sectors to ensure a shared focus on delivery and strategic outcomes.

- **Adaptive organisations**

Supporting businesses to build the organisational systems, processes and culture to adopt advanced technologies, and respond quickly and effectively to disruption.

- **Proactive workforce mobility**

Equipping workers with pathways into the roles that advanced technology creates, and supporting transitions as the nature of work evolves.

Immediate actions

1. Support the 2026 EdCAT Program to showcase and promote ICT futures, and ensure STEM pathways feature prominently in the career framework being developed under the State's Youth Jobs Strategy.
2. Engage through the Technology Industry Skills Compact, bringing government and the technology sector together to identify workforce development and training priorities that will inform action plans.



4. Strengthening infrastructure

Advanced technology depends on critical infrastructure: high-speed connectivity, computational power, reliable energy, high-quality data and modern research facilities. These form an interconnected system: the value of each layer depends on the strength of the others, and a gap in any one constrains the whole.

Strengthening this system requires a coordinated approach to address gaps and ensure investment in each layer is guided by the needs of the industries we are working to grow.

Our intent:

To ensure Tasmania has the connectivity, computing, energy and research infrastructure to underpin advanced technology, support new industries and position the state as a strategic location for investment.



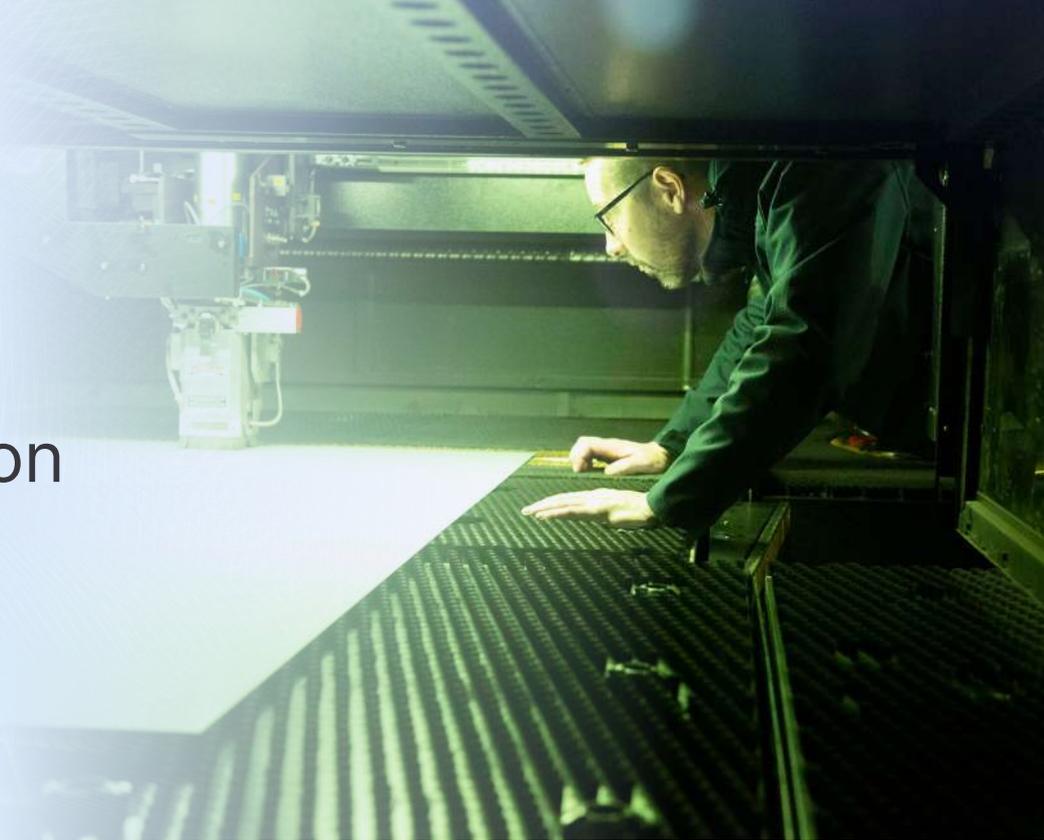
How we will drive change:

- **Resilient global connectivity**
Advocating for a diverse multi-route subsea cable network that positions Tasmania as a resilient node in the global digital economy.
- **Enhanced regional connectivity**
Working with industry and government partners to improve high-availability, low-latency networks across regional Tasmania, enabling advanced technology systems to operate in the field.
- **High-performance computing**
Facilitating investment in high-performance computing data centres and AI training infrastructure, by coordinating across energy, connectivity and planning systems.
- **Integrated research facilities**
Attracting investment in collaborative STEM precincts and facilities where researchers, industry, and innovators co-locate to accelerate technology development and commercialisation.
- **Shared data platforms**
Supporting collaborative data exchange platforms and practices across industry and government to enhance analytics, deepen capability and improve decision making.

Immediate actions

1. Champion the UTAS STEM precinct as critical infrastructure for Tasmania's technological transformation and economic diversification.
2. Progress opportunities to enhance Tasmania's critical on-island and off-island digital connectivity in partnership with industry and the Australian Government.

Implementation



This strategy sets an ambitious direction for Tasmania's future economy. Delivering it will take sustained effort and close collaboration across government, industry, research and education. The Department of State Growth will coordinate implementation, working with key stakeholders and partners to ensure delivery is prioritised, resourced and accountable.

Implementation will occur through rolling action plans that translate the Strategy into a defined delivery program, including initiatives, lead responsibilities, timeframes and measures. The immediate actions outlined earlier signal what starts now.

Each new action plan will include a short progress update against the previous plan, outlining what has been delivered, what is underway, and what has changed, so implementation remains visible, credible and accountable as priorities evolve. Over time, progress will also be assessed against the Strategy's core economic outcomes: productivity growth, economic resilience and diversification.



Appendix A:

Government policy alignment

The Advanced Technology Strategy is an overarching framework for technology-led economic development that aligns with the following Tasmanian Government policies and strategies

Economic policy

- **Tasmanian Government Economic Statement** (https://tas.liberal.org.au/sites/default/files/Tasmanian_Liberal_Economic_Statement_2025.pdf)
- **Economic Diversification and Investment Strategy** (forthcoming)

Digital and cyber

- **Digital Tasmania 2026-2031** (<https://www.digital.tas.gov.au/>)
- **Tasmanian Government Cyber Security Strategy 2024-28** (https://www.dpac.tas.gov.au/divisions/digital_strategy_and_services/resources/Tasmanian-Government-Cyber-Security-Strategy-2024-2028.PDF)
- **Data Centre Action Strategy 2018** (https://www.cg.tas.gov.au/__data/assets/pdf_file/0007/399481/Data_Centre_Action_Strategy_UPDATE_2018.pdf)

Industry and sector

- **Tasmanian Advanced Manufacturing Action Plan 2028** (https://www.stategrowth.tas.gov.au/__data/assets/pdf_file/0011/136568/Final_-_Tasmanian_Advanced_Manufacturing_Action_Plan_2028.pdf)
- **Tasmanian Defence Industry Strategy 2029** (https://www.stategrowth.tas.gov.au/__data/assets/pdf_file/0010/557596/Tasmanian-Defence-Industry-Strategy-2029.pdf)
- **Tasmanian Antarctic Gateway Strategy 2022-27** (https://www.antarctic.tas.gov.au/what_we_do/strategy)
- **Tasmanian Critical Minerals Strategy** (https://www.mrt.tas.gov.au/__data/assets/pdf_file/0017/551114/Critical_Minerals_Strategy_23_Oct_2024.pdf)
- **Agrivision 2050** (<https://nre.tas.gov.au/agriculture/agrivision-2050-tasmania-government-policies>)
- **2030 Visitor Economy Strategy** (<https://www.tourismtasmania.com.au/industry/2030-visitor-economy-strategy/>)
- **Small Business Growth Strategy 2026** (<https://www.business.tas.gov.au/news-and-events/business-news/small-business-growth-strategy>)
- **Tasmanian Trade Strategy 2030** (forthcoming)

Energy and environment

- **Tasmanian Renewable Energy Action Plan** (https://www.recfit.tas.gov.au/__data/assets/pdf_file/0005/451859/Tasmanian_Renewable_Energy_Action_Plan_December_2020.pdf)
- **Tasmanian Renewable Hydrogen Action Plan** (https://www.recfit.tas.gov.au/__data/assets/pdf_file/0008/451862/Tasmanian_Renewable_Hydrogen_Action_Plan_web_27_March_2020.pdf)
- **Tasmania's Climate Change Action Plan 2023-25** (https://www.recfit.tas.gov.au/what_is_recfit/climate_change/action_plan)
- **Tasmanian Waste and Resource Recovery Strategy 2023-2026** (<https://wrr.tas.gov.au/planning-and-reporting/waste-strategy>)

Workforce

- **Tasmanian Skills Plan 2024-28** (https://www.skills.tas.gov.au/__data/assets/pdf_file/0010/552763/Tasmanian-Skills-Plan-November-2024.pdf)
- **Youth Jobs Strategy** (<https://www.youthjobsstrategy.tas.gov.au/>)



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