## CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foreword</td>
<td>4</td>
</tr>
<tr>
<td>Executive summary</td>
<td>6</td>
</tr>
<tr>
<td>Innovation imperative</td>
<td>14</td>
</tr>
<tr>
<td>Trends shaping our economy</td>
<td>18</td>
</tr>
<tr>
<td>Transforming the Queensland economy</td>
<td>20</td>
</tr>
<tr>
<td>Feedback to date</td>
<td>26</td>
</tr>
<tr>
<td>Priorities</td>
<td>30</td>
</tr>
<tr>
<td>Back our strengths</td>
<td>32</td>
</tr>
<tr>
<td>Solve big challenges</td>
<td>38</td>
</tr>
<tr>
<td>Build innovation in our regions</td>
<td>44</td>
</tr>
<tr>
<td>Scale-up innovation</td>
<td>50</td>
</tr>
<tr>
<td>New skills &amp; new jobs</td>
<td>58</td>
</tr>
<tr>
<td>Our immediate actions</td>
<td>62</td>
</tr>
<tr>
<td>Delivering our Strategy</td>
<td>64</td>
</tr>
<tr>
<td>Have your say</td>
<td>66</td>
</tr>
<tr>
<td>References</td>
<td>68</td>
</tr>
</tbody>
</table>
FOREWORD
INNOVATION IS KEY TO IMPROVING THE LIVES OF QUEENSLANDERS, BUILDING OUR FUTURE ECONOMY, CREATING JOBS AND SOLVING SOME OF OUR BIGGEST CHALLENGES.

The Queensland Government is committed to tackling the challenges of today and the challenges of tomorrow by creating jobs in a strong economy, giving all our children a great start, keeping Queenslanders healthy, keeping communities safe, protecting the Great Barrier Reef and ensuring we are a responsive government.

We can achieve these goals through innovation, by harnessing the emerging strength of our local innovators and focusing their effort towards solving challenges that matter to Queenslanders and our position globally. Challenges such as how best to use our resources, energy and water wisely and how we respond to the global challenge of climate change.

Rapid technological change is also impacting the way Queenslanders live and work. The transformation to industry 4.0 is disrupting our traditional industries, and robotics and automation are reshaping the way we work and the skills we need.

This change is happening globally and offers many opportunities for Queensland industries and businesses to grow.

Working together will be essential for creating these opportunities. As a government we are committed to working with business and the community, social enterprises and entrepreneurs, researchers and training providers, to build a strong, sustainable, adaptive economy that will propel our state forward.

Through our Advance Queensland innovation initiative, the Queensland Government has helped cement our State’s reputation as one of Australia’s most innovative.

We have supported researchers and entrepreneurs to make their ideas a reality and grown the ecosystem in which they operate. An ecosystem that today enjoys connections to global capital, talent and markets.

While much has been achieved, more can be done to translate this innovation success to real world solutions that will continue to improve lives in Queensland and globally, and create jobs.

This Advance Queensland innovation strategy shows how the Queensland Government is working to do this now and into the future.

Premier Annastacia Palaszczuk

Minister Kate Jones
EXECUTIVE SUMMARY
BUILDING OUR INNOVATION ECONOMY

Innovation is critical to building our future economy and creating jobs.

Innovation is the key to how we secure Queensland’s future in a time of global disruption, rapid technological advances and the changing nature of work.

Success in innovation will help retain existing jobs and create new jobs. It will strengthen our traditional industries and create new industries. It will help create sustainable growth - enabling us to use our resources wisely, responding to climate change and improving our environment and society. It will connect people and communities, opening new local and global connections that will help Queensland grow. Industry 4.0 will require industry to innovate, educate and train, and collaborate to remain competitive.

As research by CSIRO's Data 61 has shown, if we successfully embrace innovation Queensland’s economy will be well placed to create 1 million jobs by 2038 – a 41% increase. This will also help workers in those jobs that are at risk, primarily from task automation, to transition their skills to continue in their position or to find a new one.

Advance Queensland is our long term commitment to driving new jobs and better lives for Queenslanders. It is through Advance Queensland that we are backing the innovators who will create the jobs. Much has been achieved in only a few years – Queensland has been recognised as the nation’s most entrepreneurial state, startups are gaining traction, businesses large and small are securing customers and investment is coming from around the world, and research is being commercialised. But much more needs to be done.

This draft strategy will guide the evolution of Advance Queensland – the next generation of innovation policy and action in Queensland. It will build on existing programs as well as the effort of all parts of the innovation system – business and industry, entrepreneurs, social enterprises, training providers, researchers and investors – and the long term benefits of the Smart State agenda, launched in 1998. The strategy will support all Queenslanders to be involved in innovation.
THIS DRAFT STRATEGY OUTLINES FIVE PRIORITIES THAT WILL GUIDE THE NEXT PHASE OF ADVANCE QUEENSLAND

**BACK OUR STRENGTHS**
We will create jobs through innovation in our traditional strengths such as agriculture, resources and manufacturing, and encourage new industries based on our state’s assets, like biofutures.

**SOLVE BIG CHALLENGES**
We will use innovation to help solve some of Queensland’s biggest social and environmental challenges, improving the lives of Queenslanders while creating new opportunities in industries such as cleantech, to export our solutions to the world.

**BUILD INNOVATION IN OUR REGIONS**
We will support our regions to use innovation to create new jobs and opportunities, as well as attract and retain talent and skills.

**SCALE-UP INNOVATION**
We will work together to scale-up our innovation ecosystem, building a strong pipeline of innovators and help successfully commercialise their ideas.

**NEW SKILLS & NEW JOBS**
We will ensureQueenslanders are prepared for the work of the future, and confidently able to participate in the new economy.
BACK OUR STRENGTHS

DIRECTIONS:

► Build world leading clusters: help business, industry, social enterprises, training providers, researchers and entrepreneurs to work together and collaborate to drive innovation in industry

► Position Queensland as a global testbed for new technology: attract new investment and create opportunities to be world leaders

► Prepare industry for change: encourage development and uptake of new technologies, processes and capabilities that create jobs in our industries

► Focus our effort: begin by backing our strengths in robotics, industry 4.0, artificial intelligence and autonomous systems (e.g. drones)

SOLVE BIG CHALLENGES

DIRECTIONS:

► Missions that matter: focus innovation effort and collaborate to address the big challenges facing Queensland: protecting the Great Barrier Reef; energy and water sustainability; improving healthcare; and responding to climate change

► Grow cleantech: develop our cleantech sector to fast track growth and develop new export markets and jobs

► Science for solutions: support translation and commercialisation of science to solve big challenges

► Inspire social innovation: harness social enterprise and impact investors to solve the challenges facing Queenslanders
BUILD INNOVATION IN OUR REGIONS

DIRECTIONS:

► **Local partnerships, local solutions:** foster regional partnerships to create solutions that build on local strengths

► **Advance connectivity:** improve the quality and speed of the internet in regional communities

► **Collaborating for global opportunities:** work with regions to secure innovation opportunities in global markets by investing in local businesses and skills

SCALE-UP INNOVATION

DIRECTIONS:

► **Build the pipeline:** support new entrepreneurs to start, grow and go global

► **Create global pathways:** support Queensland startups and small-to-medium enterprises (SMEs) to launch and grow in global markets

► **Attract talent and capital for scaling:** connect startups with the talent and capital they need to grow

► **Win-win for big and small:** connect major corporations with startups and SMEs

► **Enhance small business capability:** help SMEs to capitalise on disruption and the digital economy

► **Government walks the talk:** the Queensland Government will be a lead customer of innovation

► **Big data for better outcomes:** harness data to improve government services to Queenslanders
NEW SKILLS & NEW JOBS

DIRECTIONS:

► Ready for work and change: support existing and new workers to have the skills they need for the future of work

► New ways to learn and skill: develop flexible ways for workers to get the skills they need

► Create your own job: encourage entrepreneurship as a job option, and equip young people with the skills to start their own business
The government has identified a number of priority industries. Ten year roadmaps have been developed to articulate the actions the government is implementing to support growth and knowledge intensive jobs in a number of these priority industries.

- Advanced manufacturing
- Aerospace
- Biofutures
- Biomedical
- Defence
- Mining equipment, technology and services
- Agriculture and food
- Screen industry
- Tourism
- Resource recovery
- Hydrogen

OUR PRIORITY INDUSTRIES:
OUR IMMEDIATE ACTIONS

BACK OUR STRENGTHS

1. Establish an industry **robotics** cluster in mining, defence and the environment

2. **Create a $25 million co-investment fund** to leverage Australian Government and industry funding to support research

SOLVE BIG CHALLENGES

3. Target research funding on identified priorities, including water and energy sustainability, healthcare, climate change and the **Great Barrier Reef**

4. Develop a **Queensland Science Strategy** to drive the impact and value of Queensland science

5. Work with **government owned energy and water providers** to maximise our state assets to build innovation opportunities

BUILD INNOVATION IN OUR REGIONS

6. Investigate the establishment of an **Agtech Hub** in regional Queensland

7. Improve the quality and speed of the internet in regional Queensland through **FibreCo Qld**

8. Pilot new **regional approaches** to encourage entrepreneurship and localised solutions to **job creation**

SCALE-UP INNOVATION

9. Promote investment-ready Queensland startups and SMEs to **international investors**

10. Appoint an **Entrepreneur-in-Residence** to champion innovation in government and connect innovators with government

NEW SKILLS & NEW JOBS

11. Partner with **TAFE Queensland** to support uptake of new high tech skills training

12. Map the skills Queenslanders will need for jobs in the **new economy**

13. Develop a **Manufacturing Skills Implementation Plan**

14. Support the growth of **social enterprises** to deliver economic and social impact for Queensland

To deliver on our strategy the Premier will chair a new **Advance Queensland Economic Council** to oversee action and champion innovation across Queensland.
INNOVATION IMPERATIVE
AROUND THE WORLD INNOVATION IS RECOGNISED AS CRITICAL FOR ECONOMIC SUCCESS. THE EVIDENCE IS COMPELLING – INNOVATION IS A KEY DRIVER OF ECONOMIC GROWTH AND DEVELOPMENT, PROVIDING THE FOUNDATION FOR NEW BUSINESSES, NEW JOBS AND INCREASED PRODUCTIVITY.

Technology advances and new business models are driving rapid change. Economies now face pressure to adapt and transform. This affects all Queenslanders:

For individuals: work is changing (with potentially fewer dangerous and repetitive tasks), workplaces are changing, and lifelong learning is essential.

For families: there is change, uncertainty, opportunity and important choices for students.

For business and industry: there is more competition, rapidly changing markets, new technology demands, and new skill and capability requirements.

For communities: there are faster economic, social and environmental changes, and connectivity – digital, global and local – is vital.

Innovation helps to turn these forces of change to an opportunity. Innovative economies are more productive, resilient and adaptable to change, making them better placed to support greater standards of living. Innovative firms are more profitable and competitive. Innovation-active businesses are more likely to increase income and profitability, to export, and to report increased productivity, employment and training.

For Queensland, innovation is essential for our state’s future and the future of every Queenslander.
INNOVATION IS ABOUT JOBS

The CSIRO’s Data61 has recently explored the impact of global forces on Queensland and estimated that the state’s economy could add an extra 1 million jobs by 2038. This focus on the opportunities presented by economic change is echoed by Synergies Economic Consulting, which projects that Queensland could generate more than 1.1 million new jobs in as few as 10 years through the rapid uptake of robotics and automation.

If we focus our efforts on building Queensland’s innovation economy and translating ideas into commercial success, we will create pathways for new businesses and jobs. Seizing this opportunity depends on the choices we make today, and will require long term commitment.

2018 – 2038

868,000
36% of current-day jobs at risk from digitisation and task automation – workers in these jobs will need to transition their skills

1,000,000
potential new jobs through innovation by 2038
Queenslanders know innovation matters

Queenslanders recognise the value of innovation. They view innovation as a way to make our lives better and create new ways of doing things. Queenslanders see a clear role for government in supporting the progression of new ideas.

69% of Queenslanders strongly agree that innovation is vital for our economy.

88% of Queenslanders believe innovation is important for our state’s future.

More than half of Queenslanders have had an idea they think may be worth commercialising.
TRENDS SHAPING OUR ECONOMY

RAPID TECHNOLOGICAL ADVANCES, EMERGING GLOBAL MARKETS, DEMOGRAPHICS AND DIGITISATION HAVE THE POTENTIAL TO RESHAPE THE BUSINESS AND POLICY ENVIRONMENT FOR QUEENSLAND BUSINESSES, GOVERNMENTS AND COMMUNITIES OVER THE NEXT 20 YEARS.

CSIRO has identified several global megatrends driving this change:

▸ Serving the world economy – more sophisticated, service driven markets are emerging in neighbouring economies.

▸ The technology explosion – technological advances are having a profound impact on industry, on the way we work and on the workforce skills of the future.

▸ Burning platforms – online platforms are transforming the way we conduct business, disrupting existing marketplaces at a rapid rate.

▸ On the move – our world is increasingly mobile, enabled by advances in transport, infrastructure, work patterns and digital technologies.

▸ Forever young – the population is ageing, while the share of Queenslanders of working age (15-64 years) is expected to shrink.

▸ Flight to quality – rising incomes across Asia are driving increased demand for high quality products and services including safe, secure and quality foods, quality minerals, and luxury and personalised tourism experiences.

▸ Empowered and connected customers – empowered by the explosion in connected digital devices, customers are demanding more tailored products and services from an increasingly global marketplace.

▸ Planetary pushback – changes in earth systems from the global to microbial are creating challenges for humanity, including climate change and antibiotic resistance.

These megatrends pose both challenges and opportunities for Queensland. It is imperative we harness innovative solutions to transition our economy and lead the world in key fields.
“Industry is in the middle of its fourth revolution, with the virtual and real worlds converging where goods can be produced at unprecedented speed, flexibility and unmatched levels of efficiency to meet shifting consumer demands.

New technologies and ways of thinking are creating opportunities for industries to leverage their existing competitive strengths and make significant improvements in their operations – leading to more sustainable economies, communities and environments.

This technology and thinking is driving the creation of new ways of doing business, of working and of partnering with like-minded organisations to achieve shared visions. New industries are emerging, defined by social and environmental responsibility.

To access these opportunities will require agility - ongoing skills development in technical fields, as well as a new set of unique skills that will support adaptability, critical thinking and problem solving.

Future-ready education systems will require curricula fit for the 21st century that will build an education that provides a solid foundation for a lifetime of adapting and developing new abilities.

The scale, urgency and interconnected nature of the challenges we face requires a new approach to identifying solutions.

Establishing new networks for collaboration and the mobilisation of commitment will require stronger partnerships between government, industry, researchers, investors and innovators, and are creating new operating environments.

Clusters, precincts and supply chains across sectors and disciplines are diversifying our regional economies, creating more sustainable regions to harness new opportunities for economic growth across the state.”

Ms Leanne Kemp is Queensland’s Chief Entrepreneur, the Founder and CEO of Everledger, a leading blockchain technology company.

In 2019, Leanne co-chaired two future industry sessions at the World Economic Forum; in the Circular Economy and Advanced Manufacturing. Leanne is an appointed member of the World Economic Forum’s Blockchain Council, Co-Chair for the World Trade Board’s Sustainable Trade Action Group, and on the IBM Blockchain Platform Board of Advisors.
TRANSFORMING THE QUEENSLAND ECONOMY
QUEENSLAND’S INNOVATION JOURNEY

Throughout our state’s history, we have had generations of innovators, from the first Royal Flying Doctor Service flight from Cloncurry in 1928, to mechanical cane harvesting, to the vaccine for human papillomavirus. Our challenge has always been to turn our ideas into jobs and businesses in Queensland.

The Queensland Government has long recognised the importance of innovation, with a strong focus on fostering knowledge to drive economic growth from Smart State in 1998 to Advance Queensland today.

We have recognised the need for a broad economic base where jobs are generated from information-intensive sectors as well as traditional industries. We have also recognised the critical role of government in fostering innovation: through leadership, bringing people together, catalysing change, preparing future workforces and creating the right environment for new ideas to become commercial successes.
Launched in 2015, Advance Queensland has helped to expand and develop the state’s innovation system. Now a $650 million initiative, Advance Queensland programs are unlocking new industries and new opportunities for traditional industries by fostering innovative ideas, research and technologies.

Our investments are helping to sustain traditional industries and develop emerging industries so they will continue to be key employers for Queenslanders now, and in the future.

$650 MILLION COMMITMENT TO FOSTERING INNOVATION IN QUEENSLAND

As at 31 December 2018, Advance Queensland has achieved:

4,450 INNOVATORS
backed by Advance Queensland

14,800 JOBS
driven by projects supported by Advance Queensland

$570+ MILLION
in funds leveraged with program partners including industry and investors

92,000+ PEOPLE
attended events funded by or sponsored through Advance Queensland
QUEENSLAND’S ECONOMY HAS CHANGED OVER THE PAST 20 YEARS, BECOMING MORE DIVERSE, WHILE INCREASING EXPORTS AND ADDING NEW JOBS. AS CHANGE BECOMES MORE RAPID, THERE IS A LOT OF POSITIVE NEWS FOR INNOVATION IN QUEENSLAND.

Today, Queensland is one of the most innovative states in Australia. Startup formation has grown to overtake Victoria, placing Queensland second only to New South Wales for the proportion of Australian founders.¹

Queensland businesses and industries are more knowledge intensive than in the past, applying new skills and original knowledge to compete and grow in the transition to Industry 4.0.²

Queensland universities have built globally competitive research expertise that is recognised worldwide. Our universities are creating new knowledge and finding commercial applications that generate value.³
While much has been achieved, more can be done to build on these accomplishments and secure the state’s future success through innovation.
FEEDBACK TO DATE
WE HAVE BEGUN A WIDE-RANGING AND DETAILED CONVERSATION WITH STAKEHOLDERS FROM ACROSS QUEENSLAND’S INNOVATION SYSTEM TO DEVELOP THIS DRAFT STRATEGY.

**ADVANCE QUEENSLAND IS WORKING**

The overwhelming feedback is that the Advance Queensland agenda is working, and is helping turn ideas into reality. We should build on this groundwork. Smart State laid strong foundations that we should leverage.

**BIG AMBITION**

Queenslanders should think big. We can and must compete globally and this takes leadership from government. We can grow globally successful companies from Queensland. Long term, bipartisan commitment to innovation is critical.

**BIG CHALLENGES**

We need to identify the big challenges that we can rally behind – and turn these big challenges into innovation opportunities and global exports. Examples include protecting the Great Barrier Reef, energy and water sustainability, and improving healthcare.

**COLLABORATION IS CRITICAL**

Increased collaboration is vital for future success. This includes collaboration between universities, training providers, industry and government, and between large and small players and in regional communities.

**FOCUS ON STRENGTHS**

We cannot be good at everything – we must focus on where Queensland is globally competitive, and where we can have the greatest impact.

We will succeed by focusing our resources and people where we have strengths. Core industries like agriculture, resources and manufacturing are showcasing innovative practices and there are opportunities to grow new sectors like cleantech and increase cross-industry application of platform technologies. Queensland could also become a global testbed for new technologies. We need to attract global players to partner with local innovators. Creating clusters or ‘centres of gravity’ in these areas will help attract new investment.
SKILLS AND RESKILLING

The future of work will require different skills, both technical and entrepreneurial. Our workforce needs to be equipped with the skills and capabilities to use new technologies and operate in new workplaces. Change will create job opportunities. The education and training system will need to help equip people with the skills to create these opportunities. Workers will need help to transition to the new economy – managing this change is vital. Teachers need to engage with STEM, entrepreneurship and creativity to inspire students and prepare them to be adaptive to change.

SCALING-UP

Queensland needs to scale-up its startups and SMEs, helping them grow and create more jobs. This requires strong attention on getting the talent they need (technical, managerial, and with global experience) and access to capital, at early stage and for growth. Access to global linkages is critical for scaling. Focusing our startup efforts on “centres of gravity” where we have strength will generate the greatest benefit. This can benefit everyone by creating strong attraction for global talent and investment.

GOVERNMENT AS A LEAD CUSTOMER

Startups and SMEs need opportunities to sell to the Queensland Government and assistance in navigating procurement pathways.

ENGAGE THE REGIONS

Regional innovators need to be engaged through strong partnerships that enable us to drive local solutions to big challenges and then share that expertise with the world. This will help keep and attract world class talent to the regions and make these communities resilient and sustainable. Digital connectivity is critical.

TELL THE STORY

We need to celebrate our successes and tell stories about real people who are successfully innovating. Story telling is the job of everyone in the innovation system. We need to inspire people of all ages to engage in and embrace innovation. We need to reach out to mums and dads – they want to know what to do, and how to help their kids make the transition.

This draft strategy, including the five priorities, reflects the feedback outlined above.
PRIORITIES
THE FIVE PRIORITIES THAT WILL GUIDE THE NEXT PHASE OF ADVANCE QUEENSLAND.

- BACK OUR STRENGTHS
- SOLVE BIG CHALLENGES
- BUILD INNOVATION IN OUR REGIONS
- SCALE-UP INNOVATION
- NEW SKILLS & NEW JOBS
BACK OUR STRENGTHS
WE WILL CREATE JOBS THROUGH INNOVATION IN OUR TRADITIONAL STRENGTHS SUCH AS AGRICULTURE, RESOURCES AND MANUFACTURING, AND ENCOURAGE NEW INDUSTRIES BASED ON OUR STATE’S ASSETS.

New technologies are unlocking opportunities for both traditional and emerging industries through new applications of our resources and skills. For example, Queensland’s remote areas and extreme conditions have led to emerging expertise in robotics, unmanned aerial vehicles and big data analytics.

Artificial intelligence, automation and robotics, data analytics and sensor technology are not only creating new industries, but also driving beyond business-as-usual capability in existing industries. This is often called Industry 4.0, and it is changing the competitive landscape and creating new jobs across all sectors.

The Queensland Government has developed industry roadmaps in a number of emerging and priority industries with global growth potential. The roadmaps include: advanced manufacturing; aerospace; biofutures; biomedical; defence; mining equipment, technology and services (METS); and agriculture and food.

In a competitive global environment, concentrating our effort on backing our strengths in priority sectors will deliver the greatest impact for Queensland.

Advance Queensland will deliver programs that help build critical mass in areas where our expertise and experience have the potential to be globally significant.
BUILD WORLD LEADING CLUSTERS

Queensland will be home to clusters of industry, research, entrepreneurs and skills and training providers, solving key problems that will enhance global competitiveness leading to new jobs.

Innovation does not occur in a vacuum. Collaboration is essential to acquire the best range of skills, networks and investment. We aim to support the clustering of industry, training providers, researchers, and entrepreneurs to establish project partnerships, share knowledge and advance innovation.

The Queensland Government is developing a South East Queensland Innovation Precincts Strategy, focussing on nationally significant innovation precincts including the Boggo Road Health, Science and Education Precinct.

Evidence at the national level suggests the business and research sectors are strong individually but not particularly well connected, which means Australia is potentially missing out on the benefits of such collaboration. While key partnerships exist, Queensland needs to significantly increase collaboration, including through strategic support and growth of existing and emerging innovation precincts.

There are international and national models that draw together industry, academia and government, and point to new ways for Queensland innovators to collaborate. These include the Catapult Centres in the United Kingdom, Fraunhofer-Gesellschaft’s high performance centres in Europe and the Industry Growth Centres in Australia.

Collaboration will enhance our ability to solve industry problems, both here and overseas, and ultimately lead to the development of new products and services with international markets.

For example, METS clusters – in Brisbane and the Bowen Basin – drive collaborative solutions for industry challenges such as worker safety and environmental rehabilitation.

The Queensland Government’s continuing co-investment in leading science and research facilities through the National Collaborative Research Infrastructure Strategy (NCRiS) underpins innovation in Queensland and ensures its global competitiveness.

The final strategy will look at successful international models that draw together industry, academia and government and consider new ways for Queensland innovators to collaborate.
POSITION QUEENSLAND AS A GLOBAL TESTBED FOR NEW TECHNOLOGY

Queensland will be a global centre for testing and trialling new technologies, attracting global R&D investment to our state and creating new opportunities for local innovators and industry.

We are exploring how Queensland’s expertise can be applied through platform technologies that are enabling technologies on which other applications or processes are developed. The platforms function as innovation catalysts and facilitate the development of follow-on technologies with applications across multiple industries.

Attracting more global R&D to Queensland will increase links to global supply chains and create new paths to market for SMEs. It will also generate pathways to additional manufacturing activity and create new opportunities for local innovators to engage with international projects.

PREPARE INDUSTRY FOR CHANGE

Our industries will be ready to change, ready to take advantage of new opportunities, improving profits, creating jobs, and increasing exports.

We will work with industry, supply chains, SMEs and startups to support development and uptake of new technologies, processes and capabilities that create jobs and improve business performance.

Our education and training institutions will upskill the next generation of industry professionals with the knowledge and tools needed to adapt to change and take advantage of emerging technologies.
FOCUS OUR EFFORT

We propose to focus our effort by backing our strengths in:

- Robotics – Robots are no longer the stuff of science fiction, but an everyday reality in the lives of Queenslanders. The state is home to an emerging robotics industry and strong robotics research capability that is working to harness the benefits of the new robot economy.

- Industry 4.0 – Commonly referred to as the fourth industrial revolution, the convergence of big data and analytics with robotics and manufacturing technologies is leading to smarter factories. Embracing industry 4.0 will require collaboration, investment and skills to allow Queensland manufacturers to remain competitive and develop new markets.

- Artificial intelligence (AI) – AI or new computer systems that mimic the way humans think have been described as a game-changer for the tasks that can be performed by computers. Queensland has developed clear strengths in specific areas of AI development and use – yet greater coordination could propel the state towards becoming a global AI leader.

- Autonomous systems – The combination of robotic hardware and AI software makes it possible to create autonomous systems, such as drones, that are capable of performing complex tasks. Industry and researchers across Queensland are currently working to create autonomous systems – creating an opportunity to harness our early success and take our products to the world.
Queensland is emerging as a national and international hub for research and development of drone technologies. This is an example of how a cluster of related industry and research activity can create a strength.

Queensland became the national headquarters of the first Defence Cooperative Research Centre (CRC) for Trusted Autonomous Systems in 2018. The Queensland Government has committed $51 million towards the CRC to position the state as a leader in the testing, trialling and development of trustworthy smart-machine technologies for use by the defence industry.

Shifting their headquarters from Sydney to Brisbane 20 years ago, Boeing has now established its biggest autonomous systems R&D project outside the United States of America in Queensland. Fourteen local businesses have shared in $2.3 million in contracts which are creating more than 130 jobs in Queensland.

CASE STUDY

DRONE TECHNOLOGY IS ONE OF THE FASTEST GROWING INDUSTRIES IN THE WORLD.
SOLVE BIG CHALLENGES
WE WILL USE INNOVATION TO HELP SOLVE SOME OF QUEENSLAND’S BIGGEST SOCIAL AND ENVIRONMENTAL CHALLENGES, IMPROVING THE LIVES OF OUR CITIZENS WHILE CREATING NEW OPPORTUNITIES IN INDUSTRIES SUCH AS CLEANTECH, TO EXPORT OUR SOLUTIONS TO THE WORLD.

Queensland faces a number of significant challenges, yet we also have great opportunity to focus our talent and resources on developing solutions.

Backing Queenslanders in the global race to solve some of the big problems of our time, such as chronic disease and climate change, will not only benefit our state, but potentially open up new international markets.

Advance Queensland will include initiatives to better leverage our expertise and connect our experience in the innovation system towards solving these challenges and commercialising solutions.
MISSIONS THAT MATTER:

We will tackle our big challenges together. This will involve focusing our future innovation effort on these challenges, increasing potential for scientific breakthrough, global impact and economic progress.

OUR FUTURE STATE: ADVANCING QUEENSLAND PRIORITIES

The Queensland Government is committed to tackling priority challenges for our state – creating jobs in a strong economy, keeping Queenslanders healthy, giving all children a great start, keeping communities safe, protecting the Great Barrier Reef and ensuring we are a responsive government.
We will focus our efforts on finding solutions to:

- **Protecting the Great Barrier Reef** – the world’s largest and most complex reef system. Queensland has an obligation to protect the Great Barrier Reef and an opportunity to lead the world in developing the technology to do so.

- **Energy and water sustainability** – energy and water are critical to Queensland families, communities and businesses. Finding innovative methods to use our resources wisely will improve our competitiveness and resilience to climate change, and position Queensland as a global leader in sustainable energy and water management. We will also support workers and communities affected by the transition to a sustainable low carbon economy, with a focus on creating new opportunities, including low-cost clean energy and a fair distribution of the costs and benefits of change.

- **Improving healthcare** – responsive and effective healthcare services are vital in helping to make Queenslanders among the healthiest people in the world. Focusing our efforts on healthcare innovation will help achieve our goal and lead to new global exports.

- **Responding to climate change** – it is crucial that Queensland does its part to address the social, environmental and economic impacts of climate change. Innovation will be key in reducing Queensland’s contribution to climate change and addressing Queensland’s exposure to global climate risk.

Around the world countries are looking at models to draw together expertise and experience to tackle big challenges such as CoLab in Denmark and Prizztech in Finland. In Australia, Renewal SA and the Urban Living Lab in Sydney offer different models to solve local challenges.

Other models include the use of prizes for crowdsourced solutions or publicly funded organisations mandated to deliver solutions to compelling problems facing their communities.

There are also a range of other challenges for Queenslanders to solve.

- Can we turn the tyranny of distance experienced by many Queenslanders into an opportunity where we become an expert in remote systems and networks?

- Increasing health costs are a major problem for governments and communities. Can we innovate healthcare to continue providing quality care to all Queenslanders at a lower cost and accelerate the adoption of population health innovations to make Queensland the healthiest state?

- Remediating old mining sites is very expensive and an environmental hazard. Can new technology create an economic opportunity by recovering minerals from old mine tailings?

We must carefully consider the challenges facing Queensland and the world, and consider how we can marshal our innovation effort to help address them.
GROW CLEANTECH

Sustainable growth is underpinned by technologies and new business models that can create step changes in how we interact with our environment.

We will grow a significant cleantech sector in Queensland to help fast track sustainable growth.

The emerging global transition to a circular economy, improving resource intensity and re-imagining waste, provides new opportunities to improve sustainability and create more value.

The Queensland Government has identified biofutures and resource recovery as priority industries through the development of 10-year industry roadmaps and action plans.

SCIENCE FOR SOLUTIONS

The Queensland science sector is a significant job creator, extending across universities, medical research institutes, federal and state government agencies, and industry. Building our innovation economy requires the deep expertise in our science base to continue to grow and be deployed to solve the challenges facing Queensland and the world.

We will encourage applied science that helps solve big challenges, keeps our brightest minds here, attracts world leading researchers and collaborators, and builds upon our leading science infrastructure to stay at the forefront of global R&D efforts. The Queensland Government will develop a Science Strategy to deliver on these objectives.

INSPIRE SOCIAL INNOVATION

Social enterprises and impact investors are creating opportunities to tackle a range of social and environmental issues. This sector is gaining momentum and developing a vibrant social enterprise ecosystem in Queensland.

We will foster social enterprise to create novel solutions to the challenges facing Queenslanders and encourage impact investing to provide the capital needed to achieve outcomes.
ENERGY SUSTAINABILITY

QUEENSLAND COMPANIES ARE WORKING TO SOLVE SOME OF THE WORLD’S BIG CHALLENGES, INCLUDING EFFICIENT AND SUSTAINABLE USE OF OUR PRECIOUS ENERGY RESOURCES.

Queensland companies are working to solve some of the world’s big challenges, including efficient and sustainable use of our precious energy resources.

Brisbane-based electric vehicle recharger manufacturer Tritium was first conceived when the founders met as students at The University of Queensland in 2001. Passionate about renewable energy in transport, they have developed a supercharger that delivers 150 kilometers of range to an electric vehicle in just five minutes of charging. Tritium now employs more than 290 staff with offices in the US and Europe. Over 250 of these staff are located in Queensland, with all design and manufacturing work occurring in Brisbane.

Redback Technologies is a fast-growing Queensland-based technology company focused on the development of advanced, low cost energy hardware and software management systems, and solar and storage solutions for residential and commercial users. Redback aims to make battery storage technology more affordable, with a system that will enable a reduction in energy costs for consumers and help to pump renewable energy into the grid.
BUILD INNOVATION IN OUR REGIONS
WE WILL SUPPORT OUR REGIONS TO USE INNOVATION TO CREATE NEW JOBS AND OPPORTUNITIES, AS WELL AS ATTRACT AND RETAIN TALENT AND SKILLS.

Queensland’s regions have significant diversity and opportunities for innovation. We have the widest regional spread of innovative entrepreneurship in Australia.

Throughout history, our geography and industry know-how have led to innovations that have been applied around the world.

We will support regional communities to adapt to change, connect to new opportunities and identify where technology advances can be fostered.
LOCAL PARTNERSHIPS, LOCAL SOLUTIONS

Industry, business, startups, local governments and communities will work together to use innovation to create opportunities.

Thriving regional innovation systems are known to have five key features:

- places and spaces
- connectivity
- collaboration
- leadership
- communities of practice

We will continue to build local partnerships that are based on local strengths. Enhancing the connections required for local solutions to achieve commercial success and reach global markets.

ADVANCE CONNECTIVITY

Although access to the internet is improving, more than 2.5 million Australians do not have adequate access to digital technologies. Stable digital infrastructure and internet access are also important in connecting regional Queenslanders to international markets and trade.

The Australian Digital Innovation Index is a measure of access to information and communications technology and the resulting social and economic benefits that this provides. This is known as digital inclusion. The index indicates there is a substantial difference between the digital inclusion of people in regional communities and capital cities, including in Queensland.

The Queensland Government is looking to address this challenge through the establishment of FibreCo Qld. FibreCo Qld will use the extra capacity in the state-owned fibre optic network to offer faster, more reliable internet to homes and businesses in regional Queensland.

COLLABORATING FOR GLOBAL OPPORTUNITIES

We will work to bring all groups of stakeholders together at a regional level to harness innovation and build clusters and precincts to build regional strengths and make global connections.

We will connect regional Queenslanders to markets, talent and opportunities so they can better participate in the new economy. Forging strong partnerships will help local innovators to pursue their ideas through broader access to knowledge, support and markets.

The Queensland Government has supported Queensland’s bioindustrial industry, through the Biofutures Commercialisation Program, to collaborate with researchers and scale-up new and improved technologies and processes. Leading to opportunities and new jobs in regional Queensland.
CASE STUDY

SPINIFEX NANOFIBRES – CAMOOWEAL, NORTH WEST QLD

RESEARCHERS AT THE UNIVERSITY OF QUEENSLAND’S AUSTRALIAN INSTITUTE FOR BIOENGINEERING AND NANOTECHNOLOGY WORKING WITH DUGALUNJI ABORIGINAL CORPORATION DISCOVERED AND PATENTED A UNIQUE HIGH-QUALITY CELLULOSE NANOFIBRE FROM SPINIFEX GRASS, AN AUSTRALIAN NATIVE ARID GRASS, USING SIMPLER, COST EFFECTIVE, AND MORE ENVIRONMENTALLY FRIENDLY METHODS.

This nanofibre technology is now being developed into a diverse range of commercial applications from ultra-thin and strong latex membranes for condoms and gloves through to reinforced, recycled cardboard.

The University of Queensland is working with the Dugalunji Aboriginal Corporation to bring together Indigenous Traditional Knowledge, nanotechnology and Australia’s most extensive vegetation type (spinifex) to create the products of the future. This has the potential to create a new industry and employment opportunities for Indigenous communities in the state’s north-west.
CASE STUDIES

NATURAL EVOLUTION
WALKAMIN, FAR NORTH QLD

BANANA FARMERS ROB AND KRISTA WATKINS FROM FAR NORTH QUEENSLAND, HAD THEIR EUREKA MOMENT WHEN ROB ACCIDENTALLY DROVE OVER A HAND OF GREEN LADY FINGER BANANAS AND NOTICED A PUFF OF WHITE DUST.

Natural Evolution Foods now uses patented technology in its factory to convert banana waste into highly nutritious gluten-free banana flour. Their patented manufacturing system has already been launched in Japan, with the UK and Europe to follow soon.

REDEYE
BRISBANE

QUEENSLAND-BASED COMPANY, REDEYE, HAS TAKEN THEIR WATER MANAGEMENT SYSTEM TO THE WORLD.

RedEye is partnering with WaterStart in the United States to provide technology solutions to challenges identified by Southern Nevada Water Authority who are responsible for the supply of water to Las Vegas.

This arrangement will help develop solutions to the sustainable management of water assets around the world including regional communities in Queensland.

This project led to RedEye opening an office in the USA and they have now expanded to three USA offices. Expanding globally, with an office recently opened in New Zealand, Red Eye has also expanded locally, hiring 23 new staff in Brisbane over the last 6 months.
ADVANCING REGIONAL INNOVATION PROGRAM

The Queensland Government’s Advancing Regional Innovation Program (ARIP) is supporting 12 regions to unlock business potential, build innovative communities and prepare regional Queenslanders for the jobs of the future. Currently, 137 partners across the state are collaborating to support new opportunities for local economies. These partners include business and industry, councils, universities and regional startup hubs.

- Darling Downs and Maranoa
- Far North Queensland
- Fitzroy
- Gold Coast
- Ipswich and West Moreton
- Mackay-Isaac-Whitsunday
- Moreton Bay
- North Queensland
- Outback Queensland
- Redland and Logan
- Sunshine Coast
- Wide Bay Burnett

By better coordinating effort across our regional ecosystems we can work together to fast track localised solutions to big challenges facing regional Queensland and bring these solutions into the mainstream. This will ensure the resilience and sustainability of our regional communities into the future.
SCALE-UP INNOVATION
Successful innovation takes place in a system where ideas are created, circulated, financed and adopted. System participants include entrepreneurs, researchers, training providers, industry, social enterprises, investors, government and the community.

A strong innovation system not only spurs activity that drives productivity and creates jobs, but also supports the application of ideas that improve our society, environment and quality of life.

High-growth firms and startups play an important role in the innovation system – contributing substantially to employment growth. However, sustaining momentum requires growth in three key areas: capital, talent and density.
BUILD THE PIPELINE

We will strengthen our pipeline of research, development, translation and startups, including early and later stage, achieving exits and providing a constant stream of entrepreneurial energy into our economy.

This builds on the strong growth of our innovation ecosystem, which has experienced the fastest growth of any state in Australia, since 2015.

Building the density of our ecosystem is critical. The ecosystem is expanding organically in Brisbane, but will still require additional support in regional Queensland. The Precinct in Fortitude Valley will continue to be the heart of the ecosystem, connecting with other hubs across the state.

Diversity is vital for success in innovation. As hubs develop across Queensland, opportunities to establish transdisciplinary hubs, which capture a diversity of disciplines, should be seized to translate research and platform technologies across industries.

We will involve all Queenslanders in innovation, particularly female entrepreneurs and researchers, and Aboriginal and Torres Strait Islander innovators.
ATTRACT TALENT AND CAPITAL FOR SCALING

Queensland produces world-class talent but our expertise does not always meet the full spectrum of startup lifecycle needs. Connection to local and international innovators and founders who have experienced both success and failure is vital for young startups to better prepare for their future.

In addition to building local entrepreneurial talent, together with STEM and creativity skills, we must also foster business and management skills to enable startups to evolve into more mature firms.

Development and retention of home-grown talent is essential, as is attracting talent from other states and countries. Diversity within an innovation system can inject new perspectives, broaden international connections and create new opportunities.

Commercialising ideas or research can enter what is termed the ‘valley of death’, where a working prototype for a product or service has not yet been developed enough to earn money through commercial sales. Globally, governments have explored a range of different strategies to strengthen the innovation system so more companies can bridge ‘the valley’.

Through our engagement with Queensland stakeholders, contrasting views on where best to focus attention in the commercialisation pipeline have emerged. Some suggest additional early stage funding is required, while others seek to focus on late stage.

The success of the Business Development Fund in attracting venture capital to Queensland and in helping startups grow is potentially a model that could be expanded.

CREATE GLOBAL PATHWAYS

Our Chief Entrepreneur will spearhead these efforts, taking Queensland entrepreneurs to the next level internationally.

Our startups and researchers will connect with global hotspots of innovation, building networks and creating new opportunities.

Innovation works best when people, ideas, expertise and resources are networked – and these networks need to be global.

We will work in a range of international markets, from the United Kingdom, to Asia and North America and to the Middle East to create new global pathways for Queensland innovators.

We will also seek to learn from global best practice, bringing these learnings back and adapting them to Queensland. Already ecosystem builders from across Queensland have learned vital insights through visits to global hotspots.
WIN–WIN FOR BIG AND SMALL

Major Queensland companies will be customers of local startups and SMEs with innovative solutions.

Large corporations often champion ‘intrapreneurship’ (acting as entrepreneurs within an organisation) to drive innovation. However, large corporations also play an important role in the innovation system as customers of innovation.

Collaborations between large companies and startups are often mutually rewarding. Large companies can be exposed to new and sometimes unconventional thinking, and startups benefit from exposure to corporate environments.
ENHANCE SMALL BUSINESS CAPABILITY

Our SMEs will have the capability they need to innovate, compete and help the rest of the economy perform.

Small businesses are the engine room of our diverse Queensland economy, with investment allowing them to make the best possible start leading to more local jobs. The Queensland Government’s Advancing Small Business Queensland Strategy 2016-20 outlines pathways to advocate for, enable and empower small business.

A range of current programs are working across the state including mentoring, grants and digital skills development.

Innovation is an intrinsic part of small businesses, even though many owner/operators may not see themselves as innovators. Empowering all small businesses in Queensland to innovate is imperative for future competitiveness and their ability to keep pace with technology advances.

GOVERNMENT WALKS THE TALK

The Queensland Government will be a lead customer of innovation, working with startups and SMEs to solve public challenges and improve service delivery.

Government, at all levels, not only has a key role in helping create the best framework conditions for innovation to thrive, but can also be pivotal as a lead customer of innovation.

Advance Queensland is leading the charge with the Small Business Innovation Research (SBIR) program which funds the research, development and testing of innovative solutions to some of Queensland's most complex challenges.

The Queensland Government is also pursuing a range of other innovative approaches to develop policy and deliver services, such as new procurement approaches and speeding up the time to execute research collaboration and engagement contracts.

Government innovation can also be driven by better use of data. Improved data analytics can help government understand citizen problems and develop better approaches and services to meet key challenges.

BIG DATA FOR BETTER OUTCOMES

We will encourage the use of data analytics to develop better government services for Queenslanders.

Big data has huge potential, particularly when combined with AI, to focus services more effectively to areas of greatest need and deploy solutions.

In areas like healthcare, data analytics at a population level can enable precision healthcare for individuals. Queensland has the potential to lead Australia in using data for better health.

Building capability in data analytics within government, creating better ways to share data consistent with privacy, and building ‘sandboxes’ in which researchers and startups can use government data to identify creative solutions are all part of our strategy.
URBAN ART PROJECTS

ROBOTIC DESIGN IS HELPING BRISBANE CREATIVE ENTERPRISE URBAN ART PROJECTS MANUFACTURE HIGH-VALUE ARTWORKS AND CREATIVE PRODUCTS, REDUCING THE TIME AND COST TO MANUFACTURE AND ULTIMATELY CREATING NEW JOBS HERE IN QUEENSLAND.

Urban Art Projects is a global leader in the delivery of public artworks and creative elements, established in Brisbane in 1993 by brothers Matthew and Daniel Tobin. Over the past 26 years the company has experienced substantial growth and now employs almost 280 staff across its workshops in Brisbane, Shanghai and New York.

To keep up with the growing global demand for their products, there has been a need for the company to outsource many manufacturing processes to overseas markets, including China.

However, thanks to a collaboration with Queensland University of Technology, the Innovative Manufacturing Cooperative Research Centre and RMIT University, Urban Arts Projects is now developing new ways to use robots and vision systems for design-led manufacturing of public art.

This new technology has enabled Urban Art Projects to manufacture high-value products back in Australia, faster and more affordably, and create jobs here in Queensland.
MOVUS

There are 2.6 billion electric motors in the world using 43% of the planet’s electricity, and when they don’t function efficiently it can have a huge impact on the world’s resources.

Brisbane company MOVUS is transforming unconnected machines into smarter machines with their cloud-based technology ‘FitMachine’. FitMachine measures motor vibration, temperature and noise to give operators real time diagnostic data on the health of their machinery. This ‘Fitbit’ for machines is being used by leading manufacturers and infrastructure companies around the world.

GO1 GLOBAL

Workplace training marketplace GO1, which traces its roots back to a part-time web development business launched by three Brisbane schoolboys, recently secured a $30 million investment led by Microsoft’s M12 Venture Fund.

In just four years, the Brisbane-based startup has grown to 100 staff, now offers more than 500,000 courses, has offices in four countries and boasts 1 million users.
NEW SKILLS & NEW JOBS
Queenslanders lie at the heart of future innovation. It is our creativity, ingenuity and adaptability that spark ideas and deliver solutions.

Research examining the nature of work and the impact of technology on jobs has identified two trends already underway:

- a decline in repetitive or routine jobs as tasks within these roles become automated or redundant, and
- growth in new products and services (and associated new tasks and jobs) generated by the adoption of new technologies

We must identify how we support those affected by technology transformation and assist our current and future workforce to take advantage of new opportunities. The transition to Industry 4.0 will create new job opportunities, but our workforce needs to be prepared.

Entrepreneurship, whether as a founder or partner, can also be a solid pathway for our workforce to be job creators rather than job seekers. New technologies have lowered the barriers to entry for entrepreneurs to create new business models, launch their startups and create jobs.

We will equip Queenslanders for the future of work, include initiatives to increase the diversity of Queensland innovators, and provide accessible pathways for people seeking to participate in the innovation economy. We also aim to better celebrate and promote Queensland’s innovation success stories.
DIRECTIONS

READY FOR WORK AND CHANGE

We will support existing and new workers to have the skills they need for the future of work.

Future jobs will be different from today’s jobs — different industries, different occupations, different tasks. While Queensland’s task and job mix has evolved to reflect our society’s development, the pace and impact of current changes are notable, and point to the importance of agile learning.

NEW WAYS TO LEARN AND SKILL

We will develop flexible ways that workers can get the skills that they need and employers want, and keep up to date.

Just as the skills required for the future of work are different from today, the way we learn and acquire these skills is changing. Digital technologies are enabling new modes of teaching and providing new opportunities to learn, anywhere and anytime.

CREATE YOUR OWN JOB

We will encourage entrepreneurship as a job option, and equip young people with the skills to start their own business.

Our education and training systems will be primed to give young people the tools to become entrepreneurs, as well as confidence in embracing technology, innovation and change.

The Queensland Government is working to prepare our students for the jobs of tomorrow through Advancing education: an action plan for education in Queensland. This plan has a focus on transforming STEM teaching, engaging more students in STEM education and fostering new skills in fields such as coding and robotics.
Now equipped with a unique digital workflow that links the entire fabrication and installation process from start to finish, the business has doubled in size with no jobs lost through the technology transition and an average of 10 new employees brought on board with each new piece of automated equipment installed.

FIFTY-YEAR OLD BRISBANE-BASED COMPANY, WATKINS STEEL WAS A TRADITIONAL STEEL FABRICATION COMPANY THAT THREE YEARS AGO RECOGNISED THE POTENTIAL OF DIGITAL TECHNOLOGIES AND BEGAN SHIFTING ITS FOCUS BY USING TECHNOLOGIES SUCH AS 3D LASER SCANNERS, ROBOTICS, AUGMENTED REALITY, AND ANIMATION.

Students were able to study drone technology at TAFE Queensland’s Ashmore campus on the Gold Coast. The students gained valuable real-world experience and practical industry ready skills through work placements in electronics and drone-related industries such as electronic equipment manufacturing and computer aided design.

WITH HELP FROM THE ADVANCE QUEENSLAND – TAFE QUEENSLAND PATHWAYS SCHOLARSHIPS PROGRAM, QUEENSLAND STUDENTS WERE GIVEN THE OPPORTUNITY TO DEVELOP THE SKILLS THEY NEED FOR EXCITING CAREERS IN THE INDUSTRIES OF THE FUTURE.
OUR IMMEDIATE ACTIONS
WE WILL BEGIN WITH FOURTEEN IMMEDIATE ACTIONS THAT ACT ON OUR PRIORITIES AND TARGET OUR AREAS OF FOCUS.

THESE ACTIONS REFLECT THE CONSULTATION AND RESEARCH CONDUCTED SO FAR AND REPRESENT A STARTING POINT, WITH MORE ACTIONS AND NEW INITIATIVES TO BE DEVELOPED IN THE FUTURE.

BACK OUR STRENGTHS

1. Establish an industry robotics cluster in mining, defence and the environment

2. Create a $25 million co-investment fund to leverage Australian Government and industry funding to support research

SOLVE BIG CHALLENGES

3. Target research funding on identified priorities, including water and energy sustainability, healthcare, climate change and the Great Barrier Reef

4. Develop a Queensland Science Strategy to drive the impact and value of Queensland science

5. Work with government owned energy and water providers to maximise our state assets to build innovation opportunities

BUILD INNOVATION IN OUR REGIONS

6. Investigate the establishment of an Agtech Hub in regional Queensland

7. Improve the quality and speed of the internet in regional Queensland through FibreCo Qld

8. Pilot new regional approaches to encourage entrepreneurship and localised solutions to job creation

SCALE-UP INNOVATION

9. Promote investment-ready Queensland startups and SMEs to international investors

10. Appoint an Entrepreneur-in-Residence to champion innovation in government and connect innovators with government

NEW SKILLS & NEW JOBS

11. Partner with TAFE Queensland to support uptake of new high tech skills training

12. Map the skills Queenslanders will need for jobs in the new economy

13. Develop a Manufacturing Skills Implementation Plan

14. Support the growth of social enterprises to deliver economic and social impact for Queensland

To deliver on our strategy the Premier will chair a new Advance Queensland Economic Council to oversee action and champion innovation across Queensland.
DELIVERING OUR STRATEGY
WE WILL DELIVER AN INNOVATIVE ECONOMY BY WORKING TOGETHER, SHARING OUR STORIES OF SUCCESS AND MEASURING OUR PROGRESS.

**Leadership:** we will work together to champion innovation across the state

- The Advance Queensland Economic Council will be chaired by the Premier and bring together key Ministers, leaders of industry, research and the skills sector to ensure we achieve our goals
- Innovation Champions in key industries, technologies and regions will connect key players and mobilise effort
- Innovation forums statewide will bring stakeholders together to identify opportunities to work together

**Tell the Story:** we will showcase our innovation success locally and globally

- Profile innovation success stories with the media to demonstrate success
- Identify role models to inspire the next generation of innovators
- Position our innovation strengths in Queensland’s global brand

**Measure Progress:** we will keep track of our progress and regularly evaluate our effort

- Work with the ecosystem to ensure we have the data on progress
- Evaluate programs, learn from what works, and be agile
HAVE YOUR SAY
WE WOULD LIKE TO THANK EVERYONE WHO HAS CONTRIBUTED INSIGHTS OR FEEDBACK ON THE DEVELOPMENT OF THIS DRAFT STRATEGY.

We continue to seek input from all Queenslanders in developing a shared vision for Queensland’s innovation economy.

You are invited to have your say on this draft strategy to share your ideas and suggestions on how we build Queensland’s innovation economy.

Share your ideas about...

▶ What is a bold vision for Queensland’s innovation economy?
▶ How we will build better collaboration, cross boundaries and target effort?
▶ What actions will help deliver the strategy and who needs to be involved?
▶ What else do we need to think about?

We encourage you to have your say in one or more of the following ways:

▶ Complete an online survey through advance.qld.gov.au
▶ Email us your ideas to innovationstrategy@ditid.qld.gov.au
▶ Mail a written submission to
  Building Our Innovation Economy
  Department of Innovation, Tourism Industry Development and the Commonwealth Games
  PO Box 15168, City East, QLD 4002
REFERENCES


