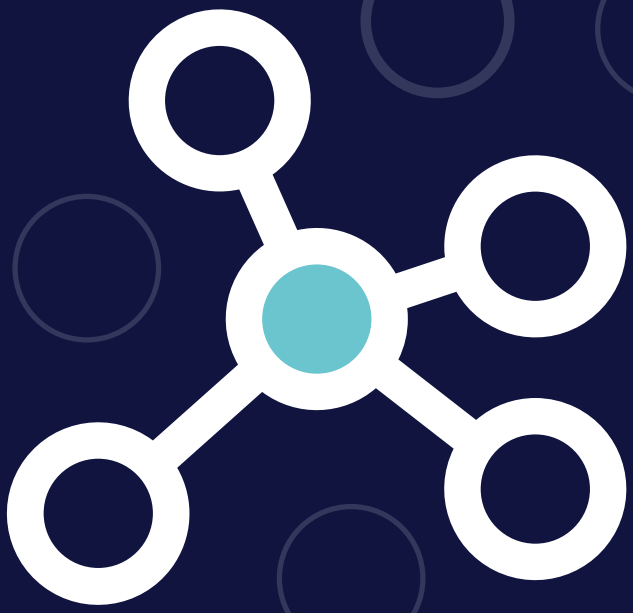
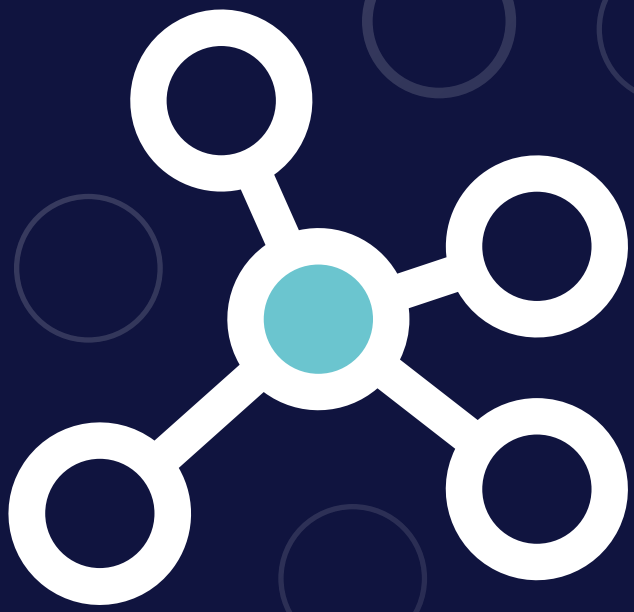
SEQ DIGITAL PLAN

for a growing and connected region



SEQ CityDeal



An SEQ City Deal Project

As an initiative under the SEQ City Deal, this Plan is intended to guide collaboration, investment planning and coordination across the region and does not constitute government policy, regulation, or binding commitments. Implementation will be subject to separate policy decisions, regulatory compliance, investment case outcomes and funding approvals.

Acknowledgement of Country

We would like to acknowledge the Traditional Owners and Custodians of the land of the Barunggam, Bigambul, Danggan Balun, Githabul, Jagera, Jinibara, Kabi Kabi, Quandamooka, Turrbal, Wakka Wakka and Yuggera Ugarapul people. We wish to acknowledge and respect their continuing connection to land, waters and culture, and the contribution they make to the life of this region. We pay our respects to their elders past and present.

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A plan to drive productivity, innovation and collaboration

Digital technology is reshaping the way we live, work and connect. It is no longer just a tool — it is the foundation of innovation, opportunity and economic growth. Harnessing its full potential will unlock new jobs, attract investment and keep South East Queensland (SEQ) at the forefront of progress.

As the host of the Brisbane 2032 Olympic and Paralympic Games and one of Australia's fastest-growing regions, South East Queensland (SEQ) must embrace digital technology to tackle our challenges and accelerate opportunities.

The *SEQ Digital Plan* is the first of its kind for our region. It sets out a 10-year roadmap to boost productivity through integrated customer services, greater opportunities for business innovation and real time insights to guide government planning.

From streamlining housing and construction approvals to optimising transport networks and harnessing real-time intelligence, digital solutions will help create more liveable, sustainable and resilient communities.

The Plan identifies the priorities needed to deliver worldclass digital capability, strengthen communities and accelerate economic growth. This will ensure every community can access secure, seamless digital infrastructure and services, building a connected and competitive region.

Six focus areas including cost of living, weather resilience and housing demand, demonstrate how digital capability can transform today's challenges into tomorrow's solutions.

The SEQ Digital Plan is an initiative under the SEQ City Deal, which is a partnership between the Australian and Queensland Governments and Council of Mayors (SEQ). The Plan is one of 29 commitments delivered through the partnership to generate long-lasting benefits for South East Queensland (SEQ).

Many of the priorities identified in this Plan are designed to be scalable, with potential to support wider adoption across Queensland and other regions.

South East Queensland is ready to seize the opportunities ahead to build a stronger, smarter and more connected future for current and future generations.

Contents

A **growing** region

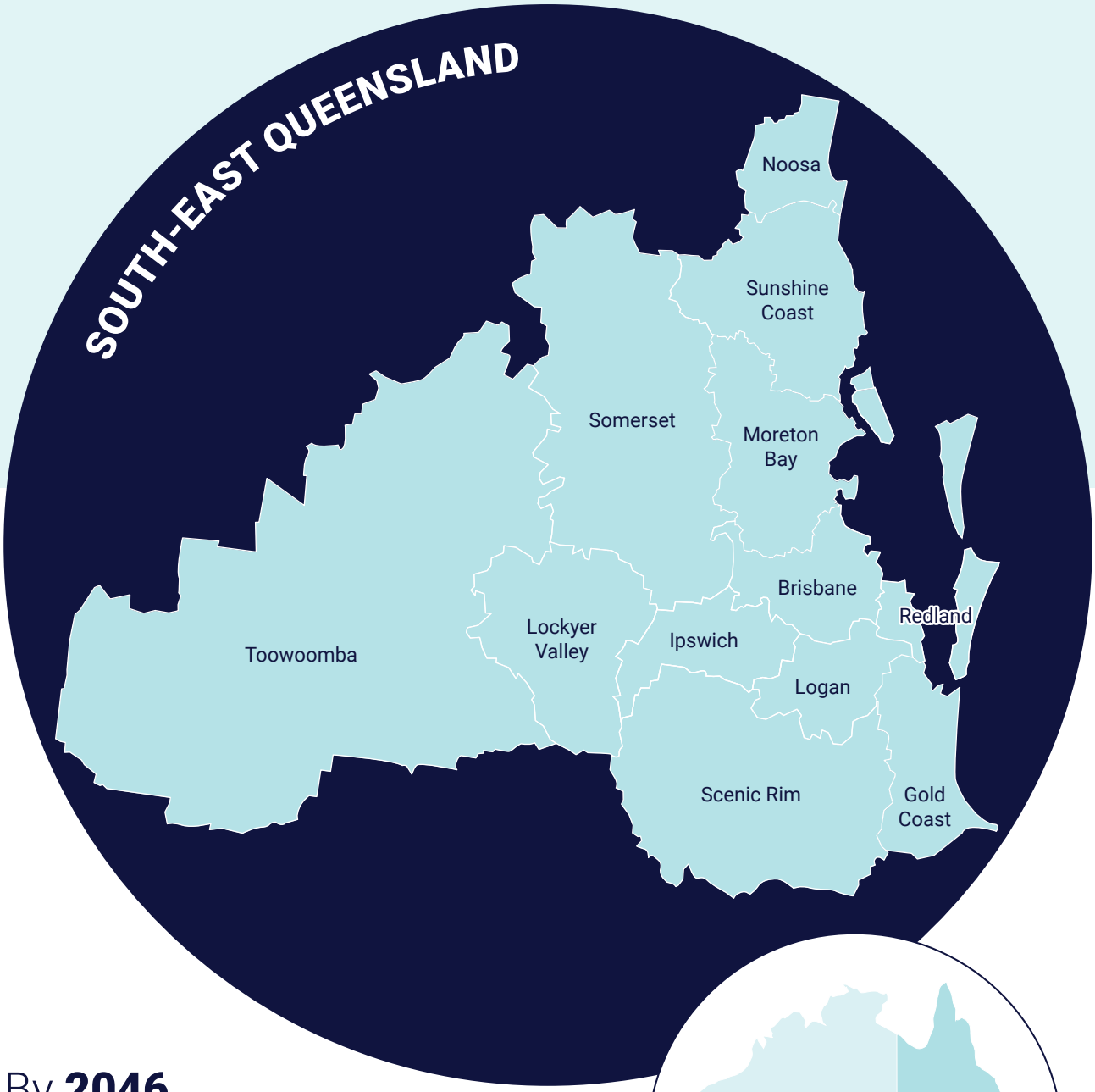
South East Queensland (SEQ) is entering a defining decade where digital transformation will be accelerated to power productivity, elevate liveability, and unlock bold opportunities for innovation and industry development.

SEQ is one of Australia's fastest-growing and most dynamic regions. Home to more than four million people, SEQ encompasses regional towns and cities, diverse communities and globally significant natural landscapes.

The region is undergoing a period of rapid transformation. Population growth, record levels of housing and infrastructure investment, and major precinct development are reshaping how people live, work and move across SEQ. This growth is matched by a strong and diverse economy supported by globally recognised universities, leading research and innovation precincts, advanced manufacturing capability, and a growing knowledge and services sector.

INSTANT DATA

- **Fastest growth** amongst global peer regions.[5]
- Governed by **fewer, larger local governments** with a strong record of collaboration each serving an average of 330,000 residents, compared to a global peer average of 39 with around 160,000 residents each.
- **Globally significant** coastlines, hinterlands, waterways and protected **ecosystems**.



By **2046**...

+2 million
ADDITIONAL RESIDENTS[1]

1 million
NEW JOBS[2]

900,000
NEW HOMES TO BE BUILT[3]

1-in-6 AUSTRALIANS TO RESIDE IN THE REGION[4]

As one of Australia's fastest growing regions, the pace of growth in SEQ brings both challenges and opportunities. Digital infrastructure and technology will be critical for providing the region with the capability to respond to this growth and unlock new ways of working together. While governments, industry, and institutions are separately driving important initiatives, there is a significant opportunity to connect and scale these efforts across the region.

Working as a digital region

This concept enables multiple jurisdictions to plan, invest and deliver as one integrated digital ecosystem. It aligns government, universities and industry around the big-picture thinking that will shape the region's long-term competitiveness.

In SEQ, this approach can allow partners to collaborate on the major region-shaping digital platforms that no single jurisdiction can build alone. Shared initiatives such as digital connectivity, Common Data Environments (CDE) and digital identity create the scale, interoperability and trust needed for modern public services and a thriving economy.

This is ultimately about improving people's lives and creating local job opportunities. By coordinating digital foundations at a regional level and empowering innovation at a local level, SEQ can deliver faster, more reliable and more inclusive digital services.

This will position SEQ globally to attract investment while ensuring that innovation remains beneficial for local residents and businesses.

SCALE AND COLLABORATION ARE OUR STRENGTHS

The region's world-class universities, established research hubs, and rapidly growing housing and infrastructure pipeline create a strong foundation for innovation-led growth. SEQ also holds a natural governance advantage. With only one-third the number of local governments compared to many Australian and international peer regions[5], SEQ is well positioned to coordinate digital transformation at scale and with agility.

Number of councils in other Australian/international regions compared to SEQ

*Barcelona Region, Busan City Region,Hamburg Region, Metro Vancouver, South-East Florida, San Diego Region, Seattle-Puget Sound, South Holland, Stockholm Region.

Metro Vancouver Region - one of SEQ's 9 global peer regions. **Image Credit:** Destination Vancouver

Benefits of a regional approach to digital investment and planning

DIGITAL REGION **ON**

- Shared systems & eco-systems
- Inter-dependence
- Larger digital market
- Co-benefits
- Portfolios
- Standardisation
- Governance
- Shared deployment
- Faster change

DIGITAL REGION **OFF**

- Fragmented systems
- Working in isolation
- Small and narrow market
- One-way benefits
- Scattered projects
- Different approaches
- Unclear decision paths
- Separate rollouts
- Stop-start change

About the plan

The SEQ Digital Plan sets the course for a more connected, innovative, and future-ready SEQ. It guides how technology enables economic growth and productivity, shapes consistent and seamless experiences and creates the environment for the private sector investment to solve common challenges.

It is a commitment under the SEQ City Deal – a long-term partnership between the Australian and Queensland governments and Council of Mayors (SEQ) to generate long-lasting benefits for the fast-growing region.

This plan intends to build on the region's strengths and accelerate its digital capability, transitioning SEQ to a more innovative, productive and knowledge-intensive economy.

AI impression of a digital road scanning vehicle to support city operations and road safety improvements.

STAKEHOLDER CO-CREATION

To inform the plan, consultation with over 800 industry, academia, social sectors, community and government personnel took place in late 2023 and in 2024.

This included:

- A SEQ Industry Leaders workshop with 119 business, industry, civic and government leaders and executives
- 20 in-person workshops and 20 online workshops with approximately 300 stakeholders attending
- Statistically valid survey of 400 SEQ residents
- 819 industry, community members and government leaders engaged

ENGAGEMENT SNAPSHOT

What we heard

- **Connectivity:** All stakeholders highlighted that the planning of digital connectivity within SEQ is not clearly understood. Current internet capacity is insufficient, and the lack of internet mobility, such as high-speed connections on transport corridors, islands, inland locations and stadiums slowed regional opportunities.
- **Getting the basics right:** It was highlighted that some digital ideas could be too aspirational. The focus must be on getting the fundamentals right before advancing to more innovative solutions. We must get the proper connectivity if we want Artificial Intelligence (AI). If we wish for regional-wide identity, we must get the data right.
- **Customer focus:** The need to ensure digital solutions help the end user has been highlighted often. It was expressed that the plan should be outcome-focused, and the approach must be grounded in genuine customer needs.
- **Leadership:** The region urgently needs digital leadership to bridge the public and private sectors together for strong digital outcomes.
- **Partnership:** A pragmatic commercial approach is required to enhance outcomes and reduce risks for all stakeholders. Industry can and wants to bring the capability to help solve community problems.
- **Data-driven:** Data should be a shared opportunity for collaboration. Digital Twins, spatial computing, and data repositories must be accessible to all regional stakeholders to foster innovation.
- **Lowering costs:** The weak productivity of the economy was a concern highlighted by all stakeholder groups. Digital must play a direct role in reducing family and business costs to improve social and economic outcomes. The term ‘frictionless’ was highlighted as an essential focus area.
- **Artificial Intelligence (AI):** At every consultation event, stakeholders raised AI; while most of this was positive, some were concerned about the changes this would bring, including its impact on public services and jobs. There was universal agreement that doing more with the same or less through AI is vital for regional growth.
- **Cyber security and identity:** All consultation groups highlight the growing risk of digital technology. It was acknowledged that secure identity was a key enabler of the benefits of digital technology.

GLOBAL BENCHMARKING

This plan is informed by international evidence, drawing on the independent report Benchmarking South East Queensland in a global context – 2025. The analysis compared SEQ with nine global peer regions and identified the factors shaping the region's medium term competitiveness. It highlighted where targeted improvement and investment are needed, particularly the convergence of digital connectivity, coordinated regional action, and their strong links to economic development.

SEQ Global Peer Regions

The selection of peer regions was based on the 2025 SEQ Global Benchmarking Report criteria of international regions of comparable population and economic size, comparative advantage in liveability, education and trade, and distinctive strategic or gateway location in their nation.

These regions share most or all of the following attributes with SEQ:

- Medium-sized
- Strong gravitational pull of the largest core city
- Strategic coastal location
- High quality of life appeal across the region
- Knowledge and innovation capabilities

Global benchmarking snapshot: regional coordination in action

Leading city-regions are increasingly coordinating digital infrastructure, data and services at a regional scale to improve productivity, inclusion and economic outcomes:

- **Stockholm Region** has used coordinated, competition-neutral fibre infrastructure across multiple local governments to deliver reliable, secure and resilient connectivity, supporting innovation, industry growth and rapid deployment of new technologies.
- **Greater Manchester** has aligned local governments, community organisations and industry through a combined authority to coordinate digital inclusion, improving access to services, skills and connectivity across the region.
- **South East Florida** has leveraged its role as a global telecommunications gateway to convene industry, attract investment and support technology-driven economic growth, while cities coordinate the deployment of smart technologies to improve services and operations.
- **Singapore** has taken a whole-of-government approach to digital transformation, coordinating policy, investment and standards. This includes the use of Building Information Modelling (BIM) and common data standards to streamline housing approvals, improve certainty for industry and accelerate delivery, while supporting a globally competitive digital economy.

Map of SEQ global peers regions

Scan to view the Benchmarking 'South East Queensland (SEQ) 2025 – in a global context' report.

Opportunities for impact and innovation

South East Queensland (SEQ) continues to undergo growth and transformation, with its population expected to reach 6 million by 2046. As this growth accelerates, it faces growing pressure on its infrastructure, increasing traffic congestion, more frequent weather events, and a population with increasing healthcare needs.

Like many evolving regions, SEQ's digital maturity is not uniform. While progress has been made in digital infrastructure and smart technologies, the region's digital landscape remains fragmented.

Misaligned strategies, inconsistent connectivity, and siloed approaches hinder the seamless delivery of services and efficient resource use. For residents and businesses alike, this results in a fractured experience, impacting the speed and reliability of service delivery and productivity.

By exploring and investing in these opportunities, industry and governments can leverage digital technology to improve productivity, create consistent customer service experiences, plan great communities and work together to address common challenges.

SEQ digital innovation and capability compared to peer regions:

2nd
FASTEST GROWTH IN VENTURE CAPITAL[6]
in last 10 years

Top 20
FASTEST GROWING REGIONAL TECH ECOSYSTEMS

9th
OUT OF 10 OVERALL FOR SCALE AND MATURITY OF INNOVATION[7]

52%
MORE INTERNATIONAL STUDENTS[8]

23%
LESS PRODUCTIVE THAN GLOBAL PEER REGIONS
(and is being outpaced by peer regions that are innovating much faster)

STRATEGIC MULTI-YEAR FUNDING

Government grant programs play an important role in supporting local digital initiatives and addressing community needs. However, as the region continues to mature digitally, there is growing value in complementing these programs with more coordinated, long-term investment to enable strategic regional transformation. By aligning efforts and building on successful local initiatives, a regional approach can help scale innovation, attract industry participation, and deliver greater impact across the whole region. A structured and transparent industry engagement framework identifying how partners will co-design and deliver will also be critical for progressing digital initiatives.

There is an opportunity to shift from short to long-term, multi-year investment programs that align with private-sector plans and coordinate investment decisions. This will create a more stable and scalable funding environment for digital transformation. These should become increasingly aligned with private-sector plans and coordinated investment decisions, creating a more stable and scalable funding environment for digital transformation.

COHESIVE AND COORDINATED DIGITAL STRATEGIES

Local governments, utilities, and state government each have their own digital strategies at varying levels of maturity, but there is limited cohesive regional coordination. When digital systems and processes are not aligned, it becomes harder to achieve efficiencies and deliver value for taxpayers, businesses, and communities.

MAKING OPEN DATA WORK HARDER

Critical datasets like infrastructure, land use and transport are often maintained in isolation across different organisations which creates higher costs and limits the ability to harness data for regional problem solving and investment planning.

While SEQ is still working towards common and open data, a clear, coordinated signal to market about the specific problems that need solving and the opportunities for partnerships that can be unlocked is needed. This is an opportunity for SEQ to organise open data around the region's pressing challenges like housing, transport and mobility, and environmental resilience.

Open Data will also be a critical capability to support innovation towards the Brisbane 2032 Olympic and Paralympic Games.

CASE STUDY

NSW LandIQ – Turning Planning Complexity into actionable insights

NSW LandIQ has become a leading example of how integrated spatial data can streamline planning, accelerate investment and reduce duplication across governments. Built to bring multiple datasets together in one trusted environment, LandIQ gives planners, infrastructure agencies and investors a single source of truth for understanding land use, development potential, constraints and infrastructure demand.

This enables agencies to quickly test development scenarios, identify infrastructure gaps and understand cumulative impacts that previously required weeks of manual assessment. Councils can use it to analyse zoning patterns, assess strategic land supply and support evidence-based rezonings.

The Queensland Globe has been a key capability for many years and advancements to this important platform will be critical for actionable insights in land use.

CONSISTENT DATA STANDARDS

Standards enable consistent and reliable data capture from projects, providing a solid foundation for decision-making, asset management, and integrating digital technologies as they evolve. For SEQ, clear infrastructure standards governing how data is collected, stored, and shared during infrastructure development is vital to help deliver more with the same or less.

SEQ can promote a cohesive infrastructure planning and construction approach by embedding data standards into development and procurement processes.

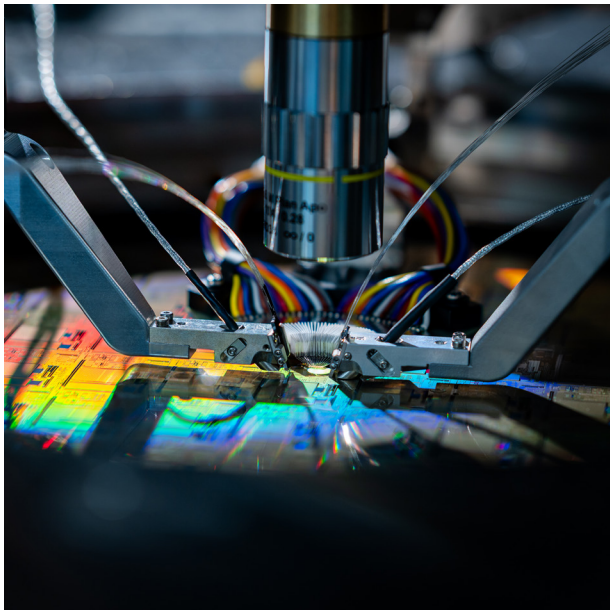
GROWING DEMAND FOR DATA CENTRES

Data centres are critical sovereign infrastructure in a globally competitive economy as they power, store and process our social and economic advantage. The rapid growth of AI is accelerating global demand for data centre capacity, placing a premium on regions that can provide sustainable land, water and energy solutions.

SEQ is starting to attract private investment in low-carbon data centres. The region offers lower land costs than NSW, the ACT, and Victoria. It also provides access to renewable energy and sites located near power and water services. Submarine cable routes already operating, along with those in development, strengthen SEQ's position as a preferred location for new data centre projects.

DATA CENTRES TO DRIVE
$4.7 billion
IN ANNUAL REVENUE[9]
in Australia in 2035

Working with industry to plan how SEQ will integrate data centre growth will be essential for supporting this critical digital infrastructure. This is an opportunity to align land use, energy and water planning while exploring emerging opportunities around sustainable energy sources and use of recycled water.



SCALING DIGITAL INNOVATION

While SEQ has demonstrated strong momentum in digital innovation, many initiatives remain localised or pilot-based. Establishing clear mechanisms to scale successful projects region-wide will reduce duplication, build shared capability, and unlock greater value from public and private investment. Coordinated scaling allows proven solutions to benefit all communities across the region.

ARTIFICIAL INTELLIGENCE (AI) FOR PRODUCTIVE, SECURE SERVICE DELIVERY

Global and local investment in AI is accelerating, creating new opportunities for SEQ to improve productivity and service delivery. Strategic application of AI across planning, property, and infrastructure can streamline processes, enhance decision making, and deliver better customer experiences.

By aligning regional efforts and reducing duplication, SEQ can leverage the potential of process automation, generative AI, and emerging agentic AI capabilities. Adoption must be ethical, secure, and sustainable with a focus on protecting data, ensuring transparency, and avoiding long-term maintenance burdens for government.

REGIONAL CYBER SECURITY AND PRIVACY CAPACITY BUILDING

With digital and data now fundamental to social and economic growth in advanced economies, the region must focus on the security of the digital landscape, specifically cyber security capability. The increased use of technology in physical infrastructure and buildings, combined with international attention as the host of the Brisbane 2032 Olympic and Paralympic Games, justifies an increased focus on cyber security capability.

While all levels of government continue to mitigate cyber risks, those seeking to attack organisations are becoming more sophisticated. Regional cybersecurity capacity-building programs and regular simulations that test these capabilities will be critical to stay ahead of digital threats.

A QUANTUM READY REGION

Quantum computing represents a transformative shift in the way we approach complex computational challenges. This includes accelerating pharmaceutical medicine discovery and genomics, to modelling climate change, optimising energy grids, and tackling problems in transport, logistics and supply chains that are beyond the reach of classical computing.

SEQ is already emerging as a focal point for Australia's quantum future. With significant investment from both the Queensland and Australian Government for a utility-scale quantum computer based in Brisbane, SEQ is primed to be a hub for quantum innovation and commercialisation.

This will require high-capacity, low-latency connectivity, a strong skills and talent pipeline, structured data and industry adoption pathways, further supporting the Australian Government National Quantum Strategy.

CLOSING THE DIGITAL GAP

While parts of SEQ enjoy consistent broadband and mobile coverage, connectivity can remain inconsistent even in high density locations, transport corridors as well as regional and island communities. This disparity hampers innovation and digital equity, leaving many without reliable access to essential services.

The Australian Government Mobile Black Spot Program remains an important initiative to address this, however, there is also an opportunity to strengthen collaboration and coordination with industry to provide a long-term outlook for digital planning in SEQ to support increased private investment in digital connectivity.

DIGITISATION OF REAL-WORLD ASSETS

Many physical assets, such as buildings, roads, and utilities are not systematically digitised. This lack of digital representation creates higher costs during design, delivery and maintenance.

Industry engagement identified Building Information Modelling (BIM) or other advanced digital asset practices can often be cost prohibitive if there are no commercial incentives.

However, this could shift rapidly if supported by clear time savings, streamlined approval processes, or productivity incentives that make digital approaches commercially attractive.

With the right policy levers, SEQ can accelerate the transition to digital asset management and unlock significant efficiency gains across government and industry.

ATTRACTING TALENT AND DIGITAL SKILLS

The growth in digital jobs and skills required to deliver these jobs continues to grow with AI set to create 200,000 new jobs in Australia by 2030[10]. This is driving a need for a coordinated approach to employment planning and stronger partnerships with academia and industry to understand the impact of AI on jobs and where strategic investment and policy is required.

> **SEQ must position itself as a national leader in those job opportunities, leveraging its strategic location, enviable lifestyle, transportation links, advanced infrastructure, and growing talent pool.**

EMBRACING THE SPOTLIGHT FROM BRISBANE 2032

The Brisbane 2032 Olympic and Paralympic Games will place the region on the global stage, highlighting the importance of a plan that equips SEQ to meet the challenge and harness future opportunities.

Customer and digital experience, city operations, safety, accessibility, smart transport and mobility operations and digital infrastructure will all be critical foundations in supporting a highly successful and efficient Games.

This plan outlines how intelligent data-driven solutions can capitalise on these opportunities and respond to current challenges. By delivering trusted, user-focused digital services, we can collectively boost public confidence and support SEQ's social and economic development.

SEQ's digital **ambition**

2035 VISION

A more connected and productive SEQ where citizens experience seamless and integrated customer services, businesses seize opportunities to innovate and invest and governments act on real time insights and plan with digital foresight. SEQ is globally recognised for digital experiences on the road to Brisbane 2032 and beyond.

WHAT THIS MEANS FOR **CITIZENS, COMMUNITIES AND VISITORS**

- Every citizen and visitor experience is consistent with robust digital connectivity and seamless access to services, no matter where they are.
- Citizens have a seamless and secure experience when interacting with all levels of government where online tools can predict and personalise their needs.
- Communities can measure impacts and outcomes in real time through more accessible and real time information.
- Visitors and citizens have positive, technology-enhanced experiences, leaving a transformative legacy across tourism, mobility, liveability, and economic opportunity.

WHAT THIS MEANS FOR **INDUSTRY**

- The digital playing field is levelled, allowing startups, SMEs, and large enterprises to scale and compete more effectively in any location.
- Streamlined regulatory environments, consistent digital infrastructure, and region-wide interoperability reduces friction and red tape.
- Businesses engage with government using one secure login, making processes streamlined, operational overheads lower and reducing time to market.
- Businesses operate with greater confidence and agility with real time intelligence enabling smarter forecasting, risk management, and investment decisions.
- The Brisbane 2032 Olympic and Paralympic Games acts as a unifying goal for business innovation across tourism, mobility, logistics, construction, and digital experiences, delivering enduring commercial opportunities.

WHAT THIS MEANS FOR **GOVERNMENT**

- Government agencies collaborate faster through standardised data, enabling consistent service delivery, streamlined operations, and coordinated planning across jurisdictions.
- Connected systems proactively identify community needs, automate workflows, optimise resources and deliver services in a cost-effective, citizen-centred way.
- Decisions are made with greater speed, accuracy, and transparency.
- The Brisbane 2032 Olympic and Paralympic Games serve as a catalyst that attracts global investment, partnerships and accelerates digital transformation.

SEQ'S FOCUS AREAS

While digital transformation cuts across the entire economy, these six focus areas address the region's highest priorities. SEQ's future ambition will guide investment in projects and programs.

FOCUS AREA 1

Cost of living and cost of services

CURRENT CHALLENGE

The increasing cost of living and services is posing a substantial burden on residents, with rising expenses in housing, utilities, transportation, healthcare, and everyday essentials outpacing income growth and straining household budgets.

FUTURE AMBITION

SEQ operates with smart, integrated service platforms that automate routine processes (leveraging AI-powered platforms across industry and Government), reduce delivery costs, and personalise services for households. Predictive analytics and digital service marketplaces help governments prioritise spending efficiently, while residents benefit from faster, fairer access to what they need without added bureaucracy or burden.

FOCUS AREA 2

Housing demand and population growth

CURRENT CHALLENGE

The region is experiencing rapid population growth, but housing supply, infrastructure, planning systems and the construction industry are struggling to keep pace. Many systems across different levels of government are still not fully integrated and optimised for data sharing.

FUTURE AMBITION

A fully digitised property and approvals ecosystem enables real-time coordination between government, industry and the construction sector, underpinned by robust privacy standards. AI-powered forecasting tools align housing supply with population needs, while digital twins simulate infrastructure scenarios to accelerate smarter, more sustainable development across the region.

FOCUS AREA 3

Disaster, resilience and weather

CURRENT CHALLENGE

SEQ faces more frequent and severe weather events, yet real-time data sharing and decisions across jurisdictions can be enhanced.

FUTURE AMBITION

SEQ becomes a global leader in climate resilience through region-wide, real-time environmental intelligence capability, underpinned by resilient, redundant and secure systems and digital infrastructure. Seamless data sharing between local governments, utilities and emergency services enables predictive responses, community alerts and coordinated decision-making. This protects lives, assets and ecosystems before disaster strikes.

FOCUS AREA 4

Transport and mobility

CURRENT CHALLENGE

Rapid population growth and urban expansion is placing increasing pressure on SEQ's transport networks. The region's heavy dependence on private vehicles, combined with limited alternative transport options and aging infrastructure, has led to longer commute times, disjointed road infrastructure, inefficient transport integration and severe congestion along major corridors.

FUTURE AMBITION

A smart mobility network powered by integrated transport data, connected infrastructure, and real-time travel apps enables smooth, multimodal movement across SEQ. Dynamic traffic management and AI-optimised routes reduce congestion, increase accessibility, and improve commute times for all users. Better digital connectivity reduces travel demand and eases pressure on transport networks and preparedness for major events.

FOCUS AREA 5

Economic development and tourism

CURRENT CHALLENGE

SEQ has considerable economic and tourism potential that is not fully realised with other similar regions outpacing SEQ through innovations like personalisation of smart services, destination imagery and digital infrastructure.

FUTURE AMBITION

SEQ is a thriving hub for innovation-led economic growth and sustainable tourism. Smart precincts, digital visitor experiences, and regional technology investment creates a dynamic environment for entrepreneurs, investors, and tourists. This unlocks the full potential of SEQ's unique cultural, natural, and economic assets by attracting and empowering startups, researchers, and citizens to solve complex regional challenges.

FOCUS AREA 6

Games time city operations and readiness

CURRENT CHALLENGE

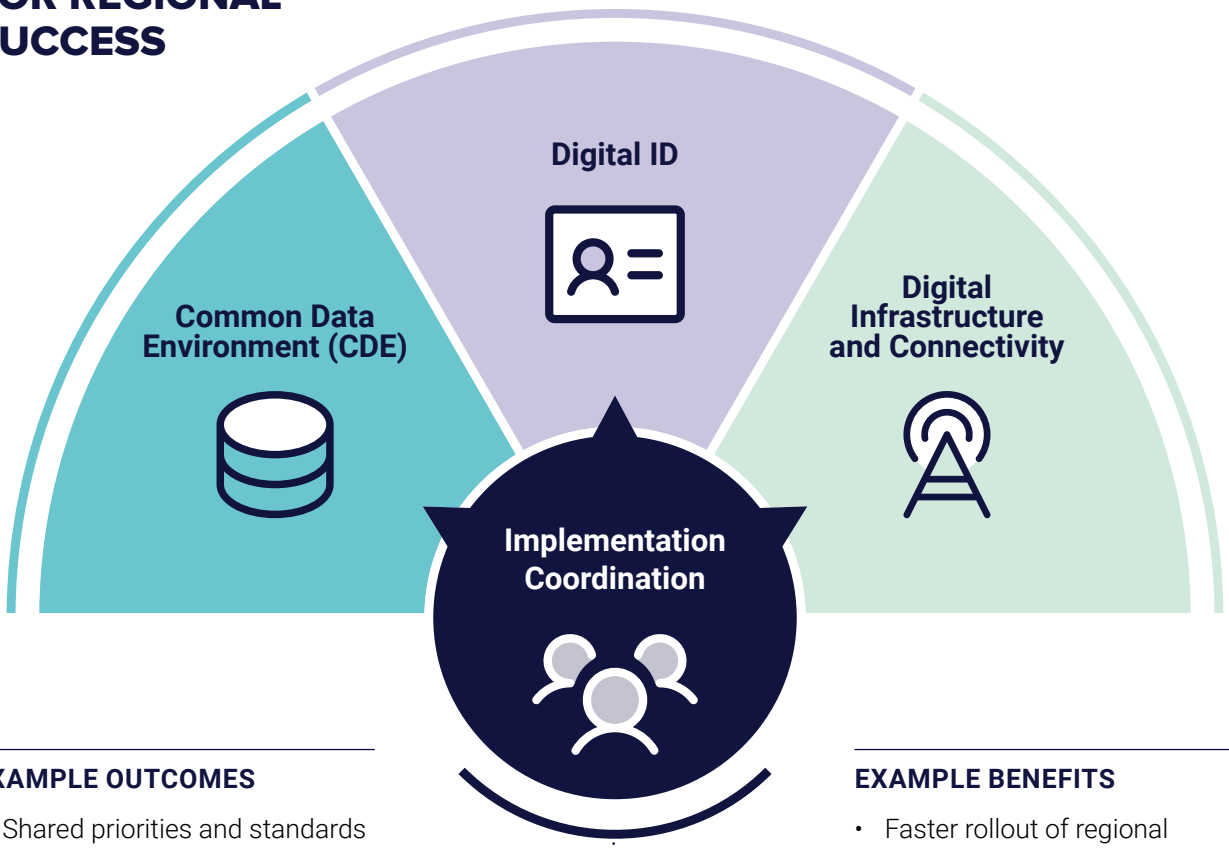
The Brisbane 2032 Olympic and Paralympic Games are a once-in-a-generation opportunity to modernise city operations capability to support both mega events and a growing region.

FUTURE AMBITION

Brisbane 2032 acts as a launchpad for long-term transformation, delivering next-generation city operations powered by AI, Internet of Things (IoT) and integrated command centres. The Games showcase SEQ's capability to host global mega events while delivering a legacy of smarter governance, connected communities, and digital-first infrastructure.

Strengthening the foundations for long-term impact

DIGITAL FOUNDATIONS FOR REGIONAL SUCCESS



EXAMPLE OUTCOMES

- Shared priorities and standards that align stakeholders.
- Consistent delivery frameworks that scale digital projects across SEQ.
- Clear governance and accountability for regional digital investment.

IMPLEMENTATION COORDINATION

Regional coordination that helps digital projects scale across the region.

EXAMPLE BENEFITS

- Faster rollout of regional initiatives with less duplication and rework.
- More consistent, predictable services for communities and businesses.
- Smaller councils benefit from region-wide capability, tools and investment.

Strengthening these foundations will be critical to deliver productive, scalable, and secure digital services that meet current and future needs. This will help the region move beyond isolated pilot projects and create the necessary infrastructure for future initiatives to grow, connect, and deliver region-wide impact benefitting every community.

COMMON DATA ENVIRONMENT (CDE)

A common way of using data securely to solve regional challenges and create industry opportunities.

EXAMPLE OUTCOMES

- Drives common standards, secure APIs and open data.
- Enables shared problem solving across government and industry.
- Drives innovation and data becomes fuel for AI, analytics and smarter decisions.
- Creates a single source of truth for asset, land-use and infrastructure data.
- Allows regional modelling, AI and analytics.

EXAMPLE BENEFITS

- Helps identify where new homes can be built sooner.
- Better sequencing of transport, utilities and growth areas.
- Support response to disasters and extreme weather.
- Larger data market for industry to build services and solve problems.

DIGITAL ID

A simple, secure way for residents and businesses to interact with services across SEQ.

EXAMPLE OUTCOMES

- More streamlined logins and verifications with Government services.
- Protects against identity theft and fraud with greater security and privacy.
- Greater personalisation with tailored experiences generated from customer preferences.

EXAMPLE BENEFITS

- Faster applications for permits, payments and registrations.
- Less paperwork and fewer repeated forms.
- Easier access to support services for older residents and carers.
- A more productive region with less time lost to administrative friction.

DIGITAL INFRASTRUCTURE AND CONNECTIVITY

High-quality connectivity that ensures communities can participate in the digital economy.

EXAMPLE OUTCOMES

- Using critical infrastructure to improve fibre and resilient backhaul and mobile coverage to support growth and peak demand.
- Establishing consistent strategic planning and development policy settings for mobile infrastructure across SEQ to support development assessment and streamline approval pathways for priority locations.
- Reliable, high-quality mobile and fixed connectivity across the region.
- Consistent regional standards that improve interoperability and reduce service gaps.

EXAMPLE BENEFITS

- More places connected for work, study and business, reducing digital exclusion.
- Access to healthcare through telehealth, telemedicine, remote patient monitoring and accelerated diagnostics.
- Improved reliability of essential services such as transport, health and utilities.

FOUNDATION 1: COMMON DATA ENVIRONMENT (CDE)

Unlocking regional insight through shared data

Insights about housing, land use, transport, weather and the environment are often made using different systems and datasets, each housed across different stakeholders.

A regional Common Data Environment (CDE) built around critical regional datasets creates a secure and trusted foundation for better decision-making. It unlocks insights to plan new homes, design transport networks, manage environmental impacts, and maintain vital infrastructure.

Protecting privacy will remain a core commitment of any regional CDE. The intent is not to collect personal or sensitive information, but to enable the secure use of strategic, largely non-personal datasets such as infrastructure, land use, transport, environmental and climate data. This is to support economic growth, resilience and better regional decision-making. Privacy protections will be embedded by design and in accordance with State and Federal legislation, with transparency about data use and safeguards to prevent misuse or re-identification.

For industry, it means consistent standards, better open data, and faster, more reliable decision-making across the whole region.

If SEQ gets this foundation right, it unlocks the ability to collaborate at scale to solve big challenges together.

Coordinated delivery

Delivering a CDE will require strong collaboration between councils, state agencies, and industry partners. A shared governance model will ensure data standards, interoperability, and security protocols are consistently applied while respecting each organisation's data custodianship.

Potential indicators

- Number of councils and agencies onboarded to a SEQ Common Data Environment (CDE).
- Number of priority datasets integrated into a CDE.
- Number of cross-agency and industry collaborations enabled through shared data.
- New services or applications developed using CDE data (e.g., AI-driven planning tools).
- Number of startups and academic institutions engaged in regional data innovation initiatives.

Intended outcomes

- Faster, data-driven decision making across the region.
- Priority datasets integrated and maintained consistently.
- Cross-agency and industry collaboration becomes routine.
- New digital services and AI planning tools developed from shared data.
- Empower regional innovators and businesses to use data for high-value job growth and competitiveness.
- Regional and rural councils have equal access to advanced analytics.
- Common data standards supporting priority regional datasets.
- Faster, more efficient service delivery (e.g., permit approvals, payments, registrations) and lower operational costs via automation.

Priority regional datasets

Understanding SEQ's key regional challenges including housing supply, transport connectivity, climate resilience, and infrastructure planning, requires access to consistent, high-value data. By identifying and prioritising regional datasets, including required infrastructure and assets, effort can be directed toward the information that delivers the greatest public value, supports evidence-based decisions, and enables innovation across councils, industry, and the community.

HOUSING, LAND USE AND PLANNING DATA

Datasets that support faster and AI driven productivity outcomes for housing and construction delivery.

- Zoning and hazard data
- Machine readable planning and development rules
- Development applications
- Land ownership
- 3D Cadastre Data

ENABLING INFRASTRUCTURE AND ASSETS

Shared infrastructure and asset data improves maintenance, reduces duplication, and optimises investment.

- Asset condition and maintenance data
- Light poles and vertical asset data
- BIM data
- Capital works and investment pipelines

TRANSPORT AND MOBILITY

Data that can support real-time traffic optimisation, public transport, congestion AI management and road safety and accessibility.

- Traffic flow and congestion data
- Active transport and accessibility data
- Road safety and incident data
- Visual and LiDAR scans of roads

ENVIRONMENT AND WATER

Integrated data enhances sustainability, water management, and conservation.

- Environmental sensor and LiDAR data
- Hydrological and rainfall data
- Soil, erosion, and sediment control data
- Catchment and water quality data

WEATHER AND DISASTER RESPONSE

Faster insights and coordination improve emergency response and resilience at a regional scale.

- Flood and inundation mapping data
- Sandbag locations and real time availability
- Disaster response and recovery data
- Satellite data

FOUNDATION 1: COMMON DATA ENVIRONMENT (CDE) (CONTINUED)

PRIORITY 1.1

Progress an SEQ Common Data Environment (CDE)

Progress a regional Common Data Environment (CDE) to enable secure data sharing and collaboration across councils, industry, and government stakeholders. The CDE should be developed through structured pre-engagement, investment case development and co-design with industry aligned to leading practice procurement standards.

This approach will ensure the system is scalable, sustainable, and capable of supporting government and industry-grade use cases.

PRIORITY 1.3

Accelerated Development Assessment

Progress the integration of AI-supported compliance checking, data analysis into development assessment systems to accelerate application processing and improve customer service and enquiries.

Opportunities should be identified to scale shared AI capabilities across SEQ councils, ensuring consistent standards, ethical use, and improved regional productivity in planning and development assessment.

PRIORITY 1.2

Support Digital Innovation in Housing Delivery

Establish a regional digital planning framework that digitises planning rules and land use data into API-based systems to support development of third-party digital services.

This should support a digital-by-default approach that can enable streamlined approvals and industrialised construction technologies such as kit-of-parts, creating commercial incentives for the use of BIM models. Shared technology standards and accreditation pathways will help build a competitive PlanTech market, driving innovation and accelerating productive housing delivery across the region.

PRIORITY 1.4

Integrated Cadastre and Land Titles Systems

Explore opportunities to integrate 3D cadastre and land titles systems into local government planning and development frameworks to support faster, more efficient property transactions.

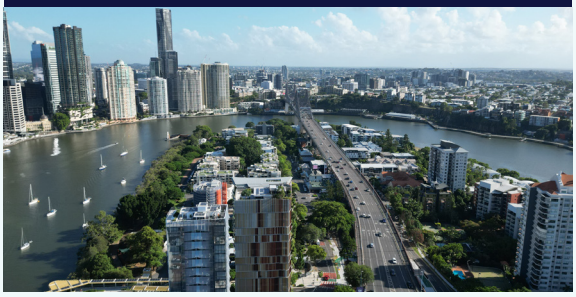
Progressing toward a consolidated, statewide 3D capable cadastre as a single source of truth will improve accuracy and transparency throughout the property lifecycle. This integration will enable digital-by-default BIM processes, reduce inefficiencies, and accelerate the transition from planning to registration, supporting a more productive and data-driven property system across SEQ.

PRIORITY 1.5

Real-time Transport and City Operations

Progress integration of transport, movement and city operations data across SEQ. This should enable real-time, AI-enhanced optimisation of transport networks, city services, infrastructure investment and planning decisions.

This should include considerations of preparedness for Brisbane 2032, reduce congestion, enhance safety, and modernise city operations for more efficient and sustainable city operations across SEQ.



PRIORITY 1.6

Waterway Intelligence

Strengthen region-wide capability to monitor, analyse, and proactively manage catchment health. This includes integrating fragmented environmental datasets so councils and partners can leverage AI technologies to identify and prioritise high-risk creek and river embankments at scale.

Enhanced use of satellite imagery, LiDAR, and machine learning for pattern recognition will enable early detection of erosion, sedimentation, and water quality risks.

FOUNDATION 2: DIGITAL ID

Enabling trusted, connected experiences

Digital identity is the cornerstone for unlocking opportunities for individuals, businesses, and governments. It ensures that online interactions are safe, secure, convenient and support reducing fraud and building public trust in digital services.

A consistent approach across SEQ will simplify how people and businesses engage with government, eliminating the need to navigate multiple systems or repeatedly provide the same information.

A consistent digital identity process across SEQ is vital, given the cost and risk created by cyber fraud, often targeting the most vulnerable. By leveraging the advanced digital identity capabilities already in place at local, state, and federal levels, duplication and security weaknesses can be reduced. This will strengthen protection and create a simpler, more connected experience when engaging with public services.

A consistent digital identity eliminates the need to navigate multiple systems, allowing users to focus on what matters, rather than repeating the same information.

Leveraging current identity capability in the public sector will make services easier, demonstrate our care for the community, streamline business activity, and position SEQ as a leader in customer-first digital government.

Expanding a trusted, convenient, and unified digital identity system that enables faster, safer, and more integrated access to public services will ultimately help governments reduce red tape and duplication, lower administrative costs, and improve service delivery speed and accuracy.

Coordinated Delivery

Delivering a regional Digital Identity framework will require collaboration between councils, the Queensland Government, and the Australian Government. Leveraging existing identity platforms such as Queensland Digital Identity (QDI) and the national myID will reduce duplication, strengthen security, and enable consistent standards for privacy, authentication, and consent.

This shared approach will also help SEQ councils meet the growing demand for seamless, secure, and personalised online services.

Intended outcomes

- Faster, safer access to services with single sign-on options.
- A consistent identity experience across the region.
- Reduced duplication and manual verification for staff, customers and businesses.
- Stronger protection against identity theft and fraud.
- Inclusive, accessible experiences for residents, visitors and businesses.
- Increased trust and satisfaction with digital government.
- More productive and seamless experience for businesses and investors.
- Greater personalisation with tailored experiences generated from customer preferences.
- Local government aligned with State and National Digital ID priorities.

Potential indicators

- Number of councils integrated with State or Federal Digital ID systems.
- Growth in single sign-on transactions across SEQ.
- Compliance with Queensland Government security and privacy standards.
- Customer satisfaction and accessibility outcomes.
- Successful pilots of cross-government services.

PRIORITY 2.1

Regional Digital Identity Framework

Progress a Digital ID framework to support Digital ID integration across SEQ councils. This should incorporate best practice security, privacy and customer service concepts. A shared framework should reduce duplication, improve trust, and support future service integration.

KEY ACTIVITIES:

- ➔ Establish regional governance for Digital Identity delivery.
- ➔ Implement a framework to standardise authentication and consent.
- ➔ Create shared templates and data standards for consistent service delivery.
- ➔ Identify pilot projects of cross-government services to demonstrate value of consistent ID systems.

Examples of how digital ID could make SEQ more productive

CITIZENS	Update details once and access services seamlessly, without repeating information.	Allows secure delegation for family members, agents, consultants and carers.	Transfer pet registrations easily when moving between areas.	Volunteers prove qualifications instantly to any disaster response team for faster deployment.
BUSINESS	Food operators verify permits once and trade across the region without re-applying.	Builders use one login for permits and inspections region-wide.	Tourism and event operators verify permits once and operate seamlessly in the region.	Confirm property ownership faster to accelerate housing and development approvals.

FOUNDATION 3:
DIGITAL INFRASTRUCTURE AND CONNECTIVITY

Supporting digital infrastructure

Digital infrastructure is the foundational technology that supports data storage, transmission and processing. Compared to global peer regions, SEQ has slower internet download speeds, falling below international averages. For SEQ to grow and compete globally, it needs improved digital infrastructure.

Access to high-quality digital infrastructure enables:

- Reliable communication during emergencies and natural disasters.
- Continuous access to online education and learning.
- Modern healthcare through telehealth, telemedicine, and remote monitoring.
- Greater public safety through emergency alerts and real-time information.
- Connection to family, friends, news, and entertainment.
- Flexible work and business operations through secure, high-speed connectivity.

SEQ's growing population and Brisbane 2032 are driving urgent demand for reliable, high-performance digital infrastructure. With a coordinated and investment-ready approach, SEQ can lead Australia in delivering the digital connectivity that underpins access to services, learning, health, and digital innovation.

Supporting mobile connectivity across SEQ

SEQ has an opportunity to take a coordinated, region-wide approach to improving mobile connectivity. By working with Mobile Network Operators (MNO), retail carrier operators, and Mobile Network Infrastructure Providers (MNIPs), the region can accelerate network upgrades and expand coverage in line with population growth and digital demand.

Better use of public assets for small cell and macro sites, supported by clear and consistent approval processes, will encourage private investment and strengthen connectivity ahead of Brisbane 2032 and the transition to universal high-speed networks.

Intended outcomes

- Faster rollout of fixed, mobile, and wireless connectivity across SEQ.
- Investment-ready locations supported by streamlined approvals and consistent planning standards.
- Increased private sector investment in digital and telecommunications infrastructure.
- Reliable, high-speed connectivity available across all SEQ communities, including regional, rural and island locations.
- Expanded data centre and edge infrastructure to support AI, cloud, and digital applications.
- Greater coordination and transparency through shared regional frameworks, planning and asset access.

Potential indicators

- Number of new or upgraded digital infrastructure projects delivered across SEQ.
- Level of private sector investment leveraged through regional coordination.
- Reduction in identified connectivity black spots.
- Improvement in SEQ's Australian Digital Inclusion Index (ADII) score.
- Number of councils and infrastructure providers participating in the regional facilities access portal.

PRIORITY 3.1

Model Town Planning Code for Telecommunications Infrastructure

Establish a model town planning code for mobile telecommunications in SEQ to harmonise planning settings and de-risk infrastructure investments while ensuring optimum community and amenity outcomes.

PRIORITY 3.2

SEQ Data Centre Strategy

Develop a SEQ Data Centre Strategy that identifies data centre precincts and land opportunities across SEQ serviced by the required water, energy and appropriate land uses. This should consider opportunities to align sustainability practices including energy, cooling and water usage and consideration of other industry trends.

PRIORITY 3.3

Coordinated Connectivity Delivery for New Developments

Adopt the Telecommunications in New Developments (TIND) Framework to better align property developers, telecommunications providers, and councils and government agencies. This coordinated approach will accelerate the delivery of digital coverage in new growth areas and de-risk up-front private investment.

PRIORITY 3.4

Accelerate Private Investment in Digital Connectivity

Develop a region-wide approach that brings councils and industry together to identify priority connectivity needs and attract private investment. This should focus on strengthening the commercial case for private sector investment and reduce barriers to deploying new digital infrastructure. Explore consistent commercial terms across SEQ to provide clarity and certainty for industry. This will include negotiated programs aimed at eliminating connectivity black spots and improving service quality for communities across the region.

PRIORITY 3.5

Regional Facilities Access Portal

Develop a single regional platform to provide access to public vertical infrastructure (e.g. rooftops, poles, towers) for accredited telecommunications carriers and infrastructure providers under consistent terms to support faster and more strategic rollout of future digital connectivity infrastructure.

FOUNDATION 3: DIGITAL INFRASTRUCTURE AND CONNECTIVITY (CONTINUED)

Indicative priority locations for enhanced connectivity

While improved digital connectivity is required across South East Queensland, certain locations present heightened complexity, demand or risk and require more targeted consideration.

Addressing connectivity challenges in these locations will require early and sustained collaboration with industry, coordinated planning settings, and solutions tailored to local conditions to ensure reliable, resilient and high-capacity digital infrastructure.

The identification of priority locations has been informed by a combination of stakeholder engagement, existing evidence and global benchmarking. Connectivity challenges in South East Queensland are not uniform and targeted responses are required in locations with heightened demand, risk or complexity.

Transport, logistics and commuter corridors

Major road, rail, freight corridors are critical to the functioning of the regional economy and daily movement of people and goods.

Enhanced connectivity along these corridors supports safety, operational efficiency, emerging mobility technologies and reliable communications for commuters, logistics operators and emergency response.

Islands and coastal communities

Island communities face unique constraints related to distance, limited infrastructure corridors and exposure to extreme weather.

Targeted approaches are required to improve reliability, redundancy and service continuity, ensuring communities, visitors and essential services can remain connected during both day-to-day operations and emergency events.

Regional and inland locations

Regional and inland areas play a vital role in SEQ's resilience, food security and economic diversity, yet often face connectivity gaps. Strengthening digital infrastructure in these locations is particularly important to maintain communications during severe weather and disaster events, access to digital health services, supporting community safety, emergency services coordination and recovery efforts.

High-demand precincts and event locations

Stadiums, major event venues, activity centres and high-density precincts experience intense, time-bound spikes in connectivity demand. Planning for these locations must support high-capacity public and commercial connectivity while ensuring continuity and priority access for public safety and emergency communications.

Strategic digital infrastructure and investment precincts

Locations that enable data centres, global broadband connectivity and emerging quantum, industrial and advanced computing infrastructure are critical to SEQ's economic competitiveness and investment attraction, supporting high-value jobs and long-term growth.

FOUNDATION 4: IMPLEMENTATION COORDINATION

Coordination to drive regional outcomes

As SEQ continues to become a more interconnected region, and with Brisbane 2032 on the horizon, coordinated digital delivery will be essential. Currently, implementation and investment planning are often fragmented, sitting largely within individual organisations and agencies.

A coordinated approach to implementation would bring together people, processes and systems under a shared framework. For industry, it would provide a clear and predictable 'front door' to operate across the region. For communities, it would mean services that feel connected, seamless and responsive regardless of where you live or which level of government you engage with. Digital implementation will also be important for scaling successful initiatives across the region, driving strategic investment and ensuring alignment with this plan's focus areas and priorities.

Intended outcomes

- Coordinated regional digital project implementation and shared investment planning.
- Consistent implementation of digital initiatives aligned with state and national priorities.
- Reduced duplication and cost efficiency in digital project delivery.
- Greater transparency and accountability in digital delivery and procurement.
- Stronger partnerships and engagement with industry supported by a consistent point of engagement.
- Increased industry investment due to a more cohesive digital market place.

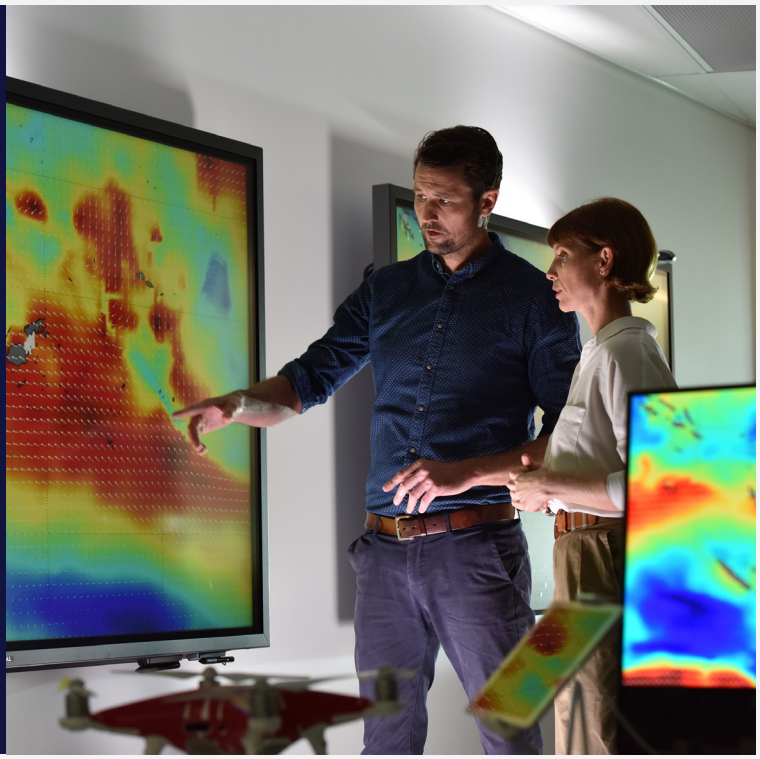
Potential indicators

- Uptake of regional digital standards and frameworks across councils.
- Growth in partnerships with academia and research institutions.
- Delivery of SEQ digital priorities.

PRIORITY 4.1

Support Regional Scaling of Proven Digital Solutions

Establish mechanisms within existing governance and partnerships to identify, evaluate, and scale successful digital initiatives across SEQ councils. This should include adopting regional standards for technology reuse, procurement,and knowledge sharing to accelerate deployment across the region.



PRIORITY 4.2

Promote Shared Digital Standards and Tools

Adoption of shared standards, open APIs, and common procurement templates to reduce duplication and improve interoperability.

Industry: It's time to seize the opportunity

With the Brisbane 2032 Olympic and Paralympic Games fast approaching and SEQ emerging as one of Australia's fastest-growing regions, the momentum is here and the digital ambition is bold. This plan sets a clear direction built on the foundations of a globally competitive region. It's success will depend on more than policy settings. It will be defined by industry stepping forward with ideas, investment and innovation.

Whether accelerating connectivity, unlocking the value of data, modernising planning and housing delivery, or deploying next-generation resilience technologies, SEQ offers a real-world testbed with the scale, complexity, and ambition to prove solutions locally and export them globally.

To make this possible, SEQ is committed to investing in the digital foundations that tackle the region's biggest challenges through regional scale and governance. This will lower barriers to entry, increases productivity, and create the conditions for sustained private sector investment.

IN SEQ, INDUSTRY WILL FIND...

A market of scale

A coordinated group of large and capable local governments representing 1 in 7 Australians, in one of the nation's strongest growth regions.

A platform for innovation

Regional data, planning, and infrastructure challenges demanding new ideas and scalable solutions.

A global launchpad

The chance to demonstrate leadership in digital technologies in the lead up to Brisbane 2032, with pathways to export proven solutions to high growth city regions worldwide.

The opportunity is here and the region is ready. It's time for industry to seize the opportunity and shape SEQ's digital future.

Summary of digital priorities

	PRIORITY	ALIGNMENT TO INTENDED OUTCOMES/FOCUS AREA
Foundation 1: **COMMON DATA ENVIRONMENT (CDE)**	**Priority 1.1** – Progress an SEQ Common Data Environment (CDE)	• Integrated regional data sharing • Supports informed planning and investment decisions
	Priority 1.2 – Support Digital Innovation in Housing Delivery	• Streamlines housing approvals to address population growth • Increase commercial incentives for digital-by-default and BIM applications • Supports development of PlanTech and industrialised construction technology
	Priority 1.3 – Accelerated Development Assessment	• Improves productivity of development approval processes • Enhanced customer service
	Priority 1.4 – Integrated Cadastre and Titles Systems	• Improves productivity in plan sealing processes • Supports digital-by-default and BIM applications
	Priority 1.5 – Real-time Transport and City Operations	• Improves mobility and congestion management • Enables intelligent and productive city operations
	Priority 1.6 – Waterway Intelligence	• Enhances waterway resilience, investment planning and environmental monitoring • Reduces environmental data silos
Foundation 2: **DIGITAL ID**	**Priority 2.1** – Regional Digital Identity Framework	• Improves service delivery and security • Enhances customer service for citizens and businesses

	PRIORITY	ALIGNMENT TO INTENDED OUTCOMES/FOCUS AREA
Foundation 3: **DIGITAL INFRASTRUCTURE & CONNECTIVITY**	**Priority 3.1** – Model Town Planning Code for Telecommunications Infrastructure	• An open access competitive methodology to support rollout of digital connectivity. • Increase consistency for industry • Builds in community expectations for design/amenity
	Priority 3.2 – SEQ Data Centre Strategy	• Positions SEQ as a digital investment location • Improves sustainability
	Priority 3.3 – Coordinated Connectivity Delivery for New Developments	• Ensures timely digital infrastructure in growth areas • Supports housing and economic development
	Priority 3.4 – Accelerate Private Investment in Digital Connectivity	• Increased private investment into SEQ digital infrastructure • Address existing connectivity blackspots
	Priority 3.5 – Regional Facilities Access Portal	• Streamlines carrier access to public assets • Accelerates 5G/6G and fixed wireless rollout
Foundation 4: **IMPLEMENTATION COORDINATION**	**Priority 4.1** – Support Regional Scaling of Proven Digital Solutions	• Cost-effective regional scaling • Avoids duplication of effort
	Priority 4.2 – Promote Shared Digital Standards and Tools	• Improves interoperability across councils and regional stakeholders • Reduces fragmentation

Key terms

3D Cadastre
A digital system for recording and visualising property boundaries in three dimensions.

API (Application Programming Interface)
A tool that lets different software systems connect and share data in a standard way.

Artificial Intelligence (AI)
Technology that enables computers and machines to simulate human learning, comprehension, problem solving, decision making, creativity and autonomy.

Australian Digital Inclusion Index (ADII)
A measure of how easily Australians can access and use digital technologies.

Building Information Modelling (BIM)
A digital process for creating and managing information about buildings/infrastructure.

Common Data Environment (CDE)
A shared platform where organisations store or connect, access, and use trusted data for planning, infrastructure, spatial and service delivery.

Data Custodianship
The responsibility for managing, maintaining, and securing a dataset on behalf of an organisation or region.

Digital Exclusion
Barriers preventing people from accessing or using digital technologies.

Digital Identity (Digital ID)
A secure, digital way for people and businesses to prove their identity online.

Digital Inclusion Index (ADII) Score
A measure of a person's ability to access, afford, and use digital services.

Digital Inclusion
Ensuring everyone can access and benefit from digital technologies.

Digital Land Titles / 3D Titles System
Digital property records that store ownership, boundaries, and 3D parcel information for faster, more accurate transactions.

Digital Talent
People with skills needed to develop, manage, and use digital technologies.

Digital Twin
A virtual model of a physical object, system, or process.

Edge Facilities
Smaller data centres located close to users for faster processing.

Internet of Things (IoT)
A network of physical devices connected to the internet, sharing data.

Kit-of-parts Construction
Building method using standardised components manufactured off-site for quick assembly.

LiDAR (Light Detection and Ranging)
Technology that uses laser pulses to create detailed 3D information about land, assets, and environments.

Machine-Readable Planning Rules

Planning and development rules structured so computers can read and apply them automatically.

Macro Cell and Small Cell Sites

Infrastructure used to deliver mobile coverage. Macro cells provide wide coverage; small cells deliver targeted capacity and coverage in high-demand locations such as dense urban areas, transport corridors and major venues.

Mobile Network Operators (MNO)

Companies providing mobile phone and data services.

myID

Australian Government's Digital ID app used for secure authentication and access to government services.

Open Data

Data that is available for anyone to use, reuse, and share.

PlanTech

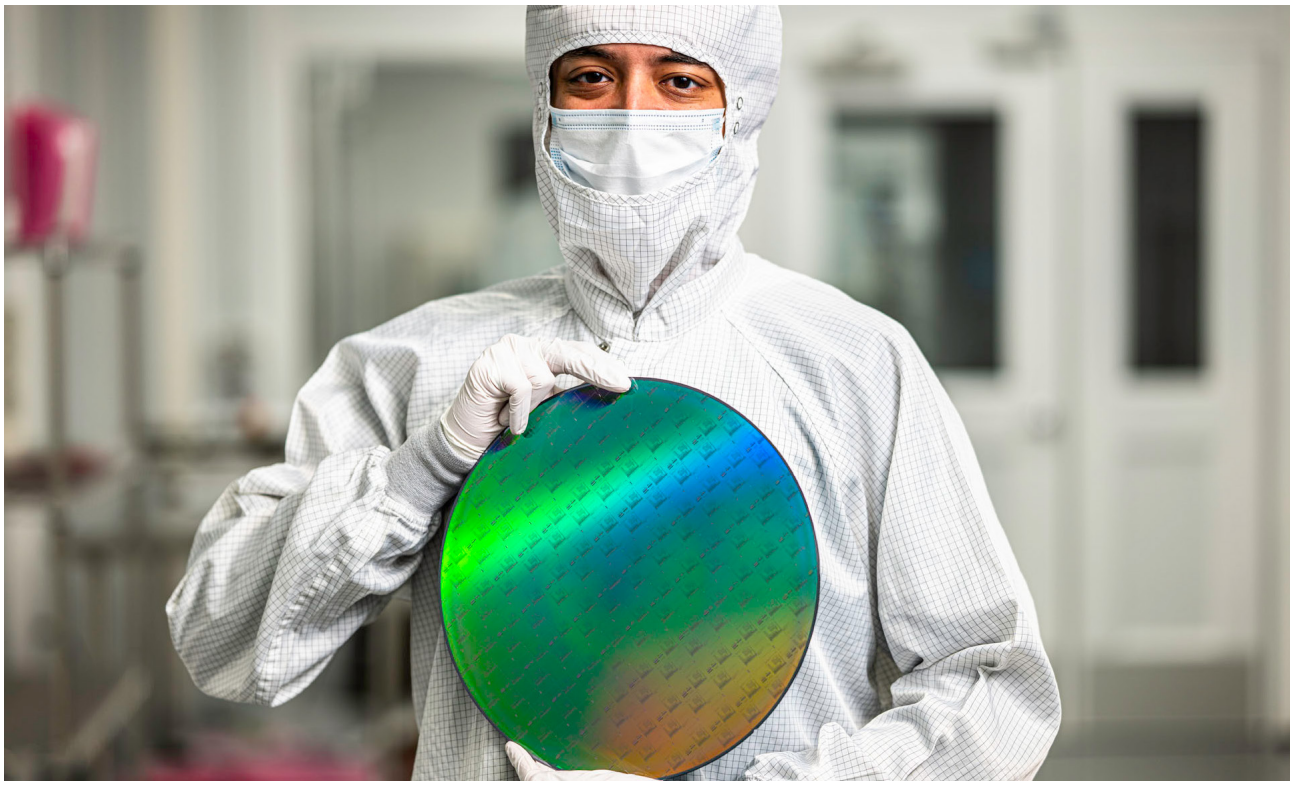
Technology and digital tools for improving urban planning and development.

QDI (Queensland Digital Identity)

The Queensland Government's digital identity platform, enabling secure access to online services for residents and businesses.

Quantum Computing

Advanced computing using quantum mechanics for faster processing.



OVERVIEW OF CRITICAL REGIONAL DIGITAL INFRASTRUCTURE

Fixed Infrastructure

High-capacity wired broadband.

Regional Considerations (SEQ Context)

- Uneven fibre availability across growth corridors; coordination needed for early fibre deployment in new developments and industrial precincts.

Mobile Infrastructure

Cellular networks providing wide-area voice and data services.

Regional Considerations (SEQ Context)

- Addressing mobile black spots in peri-urban, regional and island areas; supporting densification along transport corridors and growth precincts.

Fixed-Wireless Infrastructure

Wireless broadband where fibre is limited or uneconomical.

Regional Considerations (SEQ Context)

- Critical for rural and fringe communities or areas with low commercial investment; opportunity for council and utility facilitated access to vertical assets and local power and fibre.

Satellite Infrastructure

Extends connectivity to remote or disaster-affected areas.

Regional Considerations (SEQ Context)

- Supports disaster resilience and redundancy; useful for remote communities with limited terrestrial coverage.

Data Centres and Edge Facilities

Provides local data storage and processing to support cloud, AI and digital platforms.

Regional Considerations (SEQ Context)

- Need for distributed edge sites to support growth in AI workloads, regional digital platform, and low-latency applications; potential co-location with substations, water and industrial zones.

Vertical Assets

Structures hosting telecommunications or sensor equipment – i.e. light poles, towers, rooftops, water towers, smart poles.

Regional Considerations (SEQ Context)

- Opportunity to provide a consistent facilities access and leasing framework across councils and asset owners to support digital infrastructure investment and accelerate rollout.

Submarine and Inter-Regional Cables

High-capacity connections linking SEQ to national and global networks i.e. Sunshine Coast Submarine Cable.

Regional Considerations (SEQ Context)

- Opportunities to leverage Sunshine Coast Cable as regional data gateway; protect and expand inter-regional backhaul capacity.

Smart Infrastructure and IoT Networks

Embedded sensors and connected assets supporting digital operations and monitoring such as LoRaWAN, NB-IoT, SCADA systems, environmental and traffic sensors.

Regional Considerations (SEQ Context)

- Integration across councils to support smart water, transport, and asset management; need for common data standards and cybersecurity frameworks.

Reference notes

1 Queensland Government. (2023). ShapingSEQ 2023: South East Queensland Regional Plan. Department of State Development, Infrastructure, Local Government and Planning.

2 Queensland Government. (2023). ShapingSEQ 2023: South East Queensland Regional Plan. Department of State Development, Infrastructure, Local Government and Planning.

3 Queensland Government. (2023). ShapingSEQ 2023: South East Queensland Regional Plan. Department of State Development, Infrastructure, Local Government and Planning.

4 ABS forecast population projections (high-series) Australia 2022-71 and ShapingSEQ Regional Plan, 2023

5 References to global peer regions in this publication are informed by 'Benchmarking SEQ – In a Global Context (2025)', which identifies international city-regions of comparable population and economic scale, global competitiveness in liveability, education, and trade, and a distinctive strategic or gateway role within their national context. The peer regions for the Brisbane City-Region include the Barcelona Region, Busan City-Region, Hamburg Region, Metro Vancouver, Miami, San Diego Region, Seattle Region, South Holland, and Stockholm Region.

6 Dealroom, 10-year growth in Venture Capital investment, 2024, compared with global peer regions

7 Benchmarking SEQ in a global context (2025)

8 Benchmarking SEQ in a global context (2025)

9 Microsoft's Australia "New research identifies Australia's most promising opportunities in the new global AI economy" (Nov 7, 2024)

10 Tech Council of Australia, AI to create 200,000 jobs in Australia by 2030, 2024, https://techcouncil.com.au/newsroom/ai-to-create-200000-jobs-in-australia-by-2030

Scan to view the SEQ Digital Plan in electronic format.