

GOLD COAST HEALTH + KNOWLEDGE PRECINCT

People Transforming Lives



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Kombumerri people of the Yugambeh language region

For more than 60,000 years, knowledge, healing and innovation have existed on this land. Long before modern healthcare systems, the Kombumerri people, part of the broader Yugambeh language region, developed deep understandings of health, environment and wellbeing, grounded in observation, balance and care for community.

Today, that legacy continues within the Gold Coast Health and Knowledge Precinct.

Through partnerships between health, education and research, we are building new ways to care for people. But at its core, this work reflects something much older. The importance of connection, shared knowledge and responsibility to community.

Innovation here didn't begin with buildings or institutions. It began with Country, and it continues through the people who learn, work and care here today.

We acknowledge and pay respects to elders, past and present.



DIRECTOR - CRAIG ROWSELL

Since joining the Gold Coast Health and Knowledge Precinct in 2019, I have had the great privilege of becoming its Director and now lead our Precinct Office, all of us here to help you.

Our precinct is something special.

As proud as our partnership is of the strong infrastructure investment we've been able to achieve, it is our people who truly inspire and who genuinely transform lives – and often save them.

Collectively and collaboratively we are transforming the future of the Gold Coast, creating the health and knowledge jobs of the future and contributing to economic depth and strength as our city finds its place on the world stage, ready to shine bright as part of the 2032 Olympic and Paralympic Games in SEQ.

In our inaugural Strategic Plan, released in 2022, we embraced three core pillars – *community, curation and commercialisation*. We committed to attracting, connecting and supporting the right people, investing

wisely in infrastructure leveraging our core capabilities and niche strengths, and commercialising promising technologies while moving others along readiness levels in the value chain. This is about pursuing purpose as well as profits – with world-first technologies to treat end-stage heart failure and spinal cord injury now in clinical trials, alongside investment in new diagnostics, drugs and vaccines and biomedical platforms. Many of these deep technologies are a result of decades of research and development. New frontier tech utilising AI, robotics and niche capabilities in quantum - with applications for aerospace, defence, human performance, sustainability and environmental management as well as biomedical - are now emerging.

It's been 25 years since the original vision for the precinct was conceived – a wrinkle in time as we reflect on the knowledge that has lived on Country here for tens of thousands of years.

Join us, to be part of the next era.

1.2 A LONG-STANDING PARTNERSHIP

From an original vision more than 25 years ago, the Gold Coast Health and Knowledge Precinct has been shaped by enduring partnerships between government, healthcare and academia.

The City of Gold Coast, Griffith University, Gold Coast Health and the Queensland Government have worked together to create one of Australia's leading innovation ecosystems, underpinned by a shared commitment to improving lives through healthcare, research, education and enterprise.

Today, after a decade of formal governance and funding arrangements, the precinct continues to be guided by strong partnerships, a shared vision and a long-term strategy that is shaping its next chapter of growth.



Proud to be a member of the Global Institute on Innovation Districts

+ Where world-changing ideas become real-world impact.

Harness our momentum. Transform with us.



In one of Australia's fastest-growing and most dynamic economies, the Gold Coast Health and Knowledge Precinct (GCHKP) is building one of Asia-Pacific's leading innovation ecosystems.

Across our globally connected **200-hectare** precinct, more than **\$5 billion** has already been invested in infrastructure bringing healthcare, research, education, industry and entrepreneurship together to transform lives through breakthrough discoveries, next-generation technologies, excellent care and a health and wellness culture unique to the Gold Coast.

Over more than **25 years**, GCHKP has evolved into a mature destination for investment, collaboration and commercialisation, home to comprehensive hospitals, a leading university, research institutes and a growing community of startups, scale-ups and international companies. With new commercial developments, investment-ready land and a strong pipeline of future projects, the precinct continues to evolve alongside the organisations that call it home.

Backed by strong partnerships and a city renowned for its entrepreneurial spirit, GCHKP offers an environment where local ideas become global solutions.





1990
Griffith University's Gold Coast campus opens, establishing a foundation for health research, education and innovation.

2000
The Institute for Glycomics is established at Griffith University, becoming the only institute of its kind in Australia and one of only six globally.

2001
The Queensland Government and City of Gold Coast endorse the 200-hectare Gold Coast Health and Knowledge Precinct as a key economic and innovation zone for the Gold Coast.



2013
The \$1.76 billion Gold Coast University Hospital opens, creating one of Australia's largest and most advanced teaching hospitals.



2014
The \$1.6 billion Gold Coast Light Rail commences operation, connecting the precinct to the broader city and providing two dedicated stations within GCHKP.

2016
Gold Coast Private Hospital opens, while construction commences on the Gold Coast 2018 Commonwealth Games Athletes Village.



2018
The Gold Coast successfully hosts the Commonwealth Games. The Athletes Village is transformed into Smith Collective, a vibrant mixed-use residential and retail community within GCHKP.



2019
Cohort Innovation Space opens and subsequently expands to become Queensland's second largest co-working and innovation community.

More than 25 years of strategic investment, collaboration and long-term commitment have created one of Australia's leading health and innovation ecosystems.



Celebrating
25
YEARS

The Next Chapter
Starts Now.

2020
Researchers, clinicians and industry partners across the precinct play a critical role in Australia's response to the COVID-19 pandemic.

2021
Construction begins on Proxima, a landmark private paediatric focused healthcare development.

2023
A new era of commercial growth begins with construction of RDX Lumina and increasing private sector investment across the precinct.



2024
Proxima officially opens, expanding specialist paediatric healthcare services within the precinct.

2026
RDX Lumina opens, further strengthening the precinct's health and life sciences ecosystem. GCHKP celebrates its 25th anniversary with a pipeline of next-generation developments, including Griffith University's Health and Advanced Technologies Research and Innovation Centre (HATRIC). Mater Group takes over private hospital.

2027+
HATRIC scheduled for completion in 2028, NEXTDC and future commercial developments accelerate the precinct's next phase of growth.



HATRIC artist impression

\$5B+ invested in health, education, transport and residential infrastructure

200 ha globally connected innovation precinct

16,000+ jobs supported across the precinct ecosystem

21,000 students and future workforce pipeline

1,000+ researchers

7,500+ clinicians and healthcare professionals

\$3.4B annual value-add to the Queensland economy

The precinct in numbers

RESEARCH & INNOVATION

10+
research institutes and centres

150+
clinical trials

100+
companies, startups and scale-ups

65+
startups supported through LuminaX

\$50M+
raised by startups over last five years

\$45.7M
total commercial research income, 2025

\$1/3B
Griffith University commercial research income over the last 10 years

100+
new licences for Griffith University IP signed in last 5 years

>\$50M
capital received in last 5 years to advance Griffith University technologies

300+
individual patents under management by Griffith University

COMMERCIAL GROWTH

3.5ha
of commercial development land remaining

26,000m²
of commercial space leased or available

\$250M
in private commercial investment, 2023–2026

HEALTHCARE

1,000+
hospital beds across public and private hospitals

700,000+
patient services delivered annually

COMMUNITY

2,500+
precinct residents

70+
retail and dining outlets

7ha
of greenspace and parkland

HIGH PERFORMANCE

500+
elite student athletes supported by Griffith University

Australia's #1
sports performance university (Griffith), 2nd globally

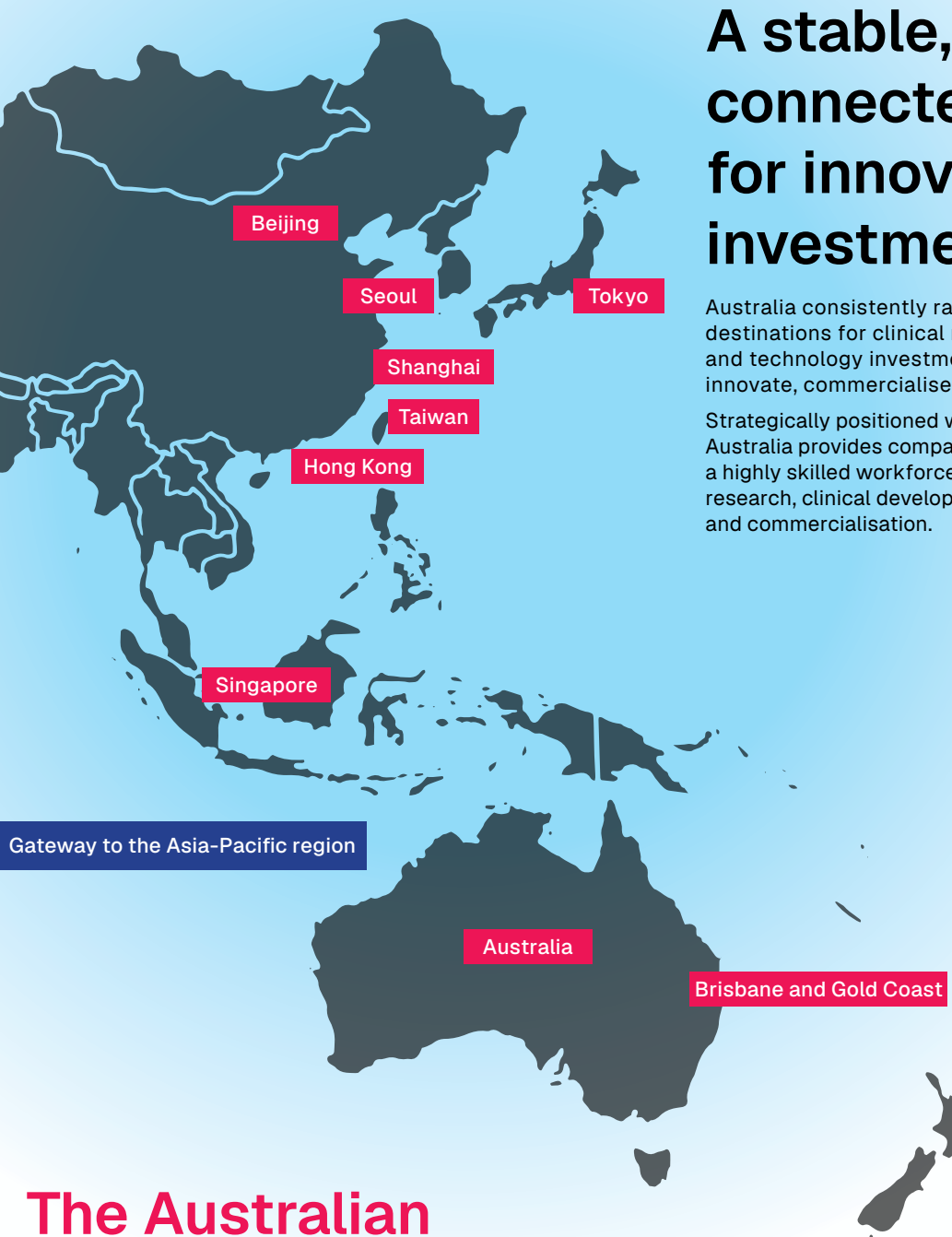
Olympic Pathway University – Griffith University exclusive partnership with Australian Olympic Committee (2025–26)

Olympic-standard sporting and high performance facilities

A stable, globally connected destination for innovation and investment

Australia consistently ranks among the world's leading destinations for clinical research and trials, health innovation and technology investment, providing a stable platform to innovate, commercialise and scale globally.

Strategically positioned within the Asia-Pacific region, Australia provides companies with access to global markets, a highly skilled workforce and a mature ecosystem spanning research, clinical development, advanced manufacturing and commercialisation.



The Australian Advantage

#13
World's 13th largest economy

43.5%
Refundable R&D tax incentive available to eligible companies

A\$250B
Life sciences sector value

- 5 PERCENTAGE POINTS LOWER**
Overall taxation levels than the OECD average
 - 3X FASTER**
Phase I clinical trials compared with the United States
 - 60% LOWER**
Clinical trial costs than the United States
 - 3,000+**
Life sciences organisations across the national ecosystem
- Sources: Austrade, Why Australia Benchmark Report (2024); Australian Government, Research and Development Tax Incentive; Queensland Government, Team Queensland Clinical Trials; OECD Tax Database.



Why invest in Queensland

- 5.6M+**
population and growing
- \$4.6B**
projected trade and tourism uplift from Brisbane 2032
- \$1.44B**
biomedical sector value with forecast growth of 40% (2024-2027)

- AA+**
international credit rating
 - ONE OF AUSTRALIA'S LOWEST**
payroll tax rates
 - BRISBANE 2032**
driving significant infrastructure investment and global visibility
 - STATEWIDE**
innovation district network
- Sources: Trade and Investment Queensland, Queensland of Opportunity (2025); Advance Queensland, A Place to Innovate: Queensland Innovation Precincts and Places Strategy 2022 – 2032; Queensland Government Statistician's Office, Queensland Population Counter (2026)

Australia's innovation powerhouse for the future economy

Queensland is one of Australia's fastest-growing states, combining a diverse and resilient economy with significant investment in innovation, advanced manufacturing and future industries. Home to more than 5.6 million people, the state is strengthening its global reputation across health, biomedical sciences, quantum technologies, defence, renewable energy and advanced manufacturing.

Backed by major infrastructure investment ahead of the Brisbane 2032 Olympic and Paralympic Games, South East Queensland (SEQ) is emerging as one of Australia's most significant innovation corridors, creating new opportunities for investment, collaboration and growth.

Queensland's innovation districts collaborate to strengthen the state's collective capability. As part of this connected network, the Gold Coast Health and Knowledge Precinct works alongside Boggo Road Innovation Junction and Herston Health Precinct, giving organisations access to complementary expertise, infrastructure and partnerships.



+ A city that says yes

The Gold Coast is more than a city. It is a mindset.
Built on optimism, entrepreneurship and a willingness to challenge convention, the Gold Coast is a city that says yes. Yes to new ideas. Yes to innovation. Yes to growth.
For generations, people have come to the Gold Coast seeking opportunity, attracted by the belief that things can be done differently and done better. That entrepreneurial spirit continues to shape the city today.
The Gold Coast has matured into one of Australia's most dynamic economies, underpinned by a diverse and increasingly sophisticated industry base spanning health, knowledge, technology, advanced manufacturing, creative industries, sport and major events.

Today, the city has reached a rare scale: large enough to compete on the global stage, yet connected enough that partnerships form quickly, careers flourish and people feel they belong. Global companies, investors and researchers benefit from world class capability while harnessing the accessibility, agility and collaborative spirit that define the Gold Coast.
On the Gold Coast, opportunity creates momentum. Momentum creates growth.
And growth creates the conditions for people, businesses and ideas to thrive.

The Gold Coast advantage

\$55.17B
Gross Regional Product 2025/26

83,000+
businesses operating across the city

#2
Nationally for economic complexity 2024/25
A measure of the diversity and sophistication of an economy.

*Modelled regional labour force - Gold Coast SA4, May 2026

25%
Gross Regional Product growth since 2020/21
\$23B
Major projects pipeline across 90 developments
\$19.37B
Annual exports

3.5%
unemployment rate, lower than Queensland and National averages*
32%
Growth in mid-sized businesses since 2020
80%
Growth in businesses employing 200+ people since 2020

The power isn't just in our organisations. It's in the people they bring together.

+



WALKABLE COLLABORATION

+



70KM BRISBANE CBD

+



40KM GOLD COAST AIRPORT

+



2 LIGHT RAIL STATIONS

+



ASIA-PACIFIC GATEWAY

The Gold Coast Health and Knowledge Precinct brings together healthcare, research, education, industry and government within one connected 200-hectare innovation ecosystem.





Space to grow - 3.5ha remaining

The world’s leading innovation districts share common ingredients: ambitious research, excellent healthcare, talented people and strong infrastructure.

What differentiates the Gold Coast Health and Knowledge Precinct is how those ingredients uniquely come together, creating an ecosystem where ideas move faster, partnerships form naturally and innovation reaches the people including patients who need it most.

This accelerates impact and turns niche strengths into capability clusters.

PURPOSE-BUILT FOR COLLABORATION

Researchers, clinicians, entrepreneurs, students, industry and government work side by side within a walkable 200-hectare precinct, creating opportunities for collaboration every day.

BUILT FOR TRANSLATION

Embedded hospitals, university research, specialised facilities and significant clinical trial capability help move discoveries from research to real-world impact and from bench to bedside.

INVESTMENT-READY

Development-ready opportunities, streamlined planning, government partnerships and potential investment incentives make it easier for organisations to establish and invest.

SPACE TO GROW

GCHKP offers something increasingly rare in established innovation districts: room to grow. Development-ready land, flexible commercial space and future development opportunities enable organisations to establish, expand and scale without leaving the ecosystem.

INFRASTRUCTURE BUILT FOR INNOVATION

Specialised research, clinical, commercial and digital infrastructure enables organisations to research, test, translate, prototype, manufacture and commercialise within one connected ecosystem.

CONNECTED BY DESIGN

The Gold Coast combines the capability of a major innovation ecosystem with the accessibility of a connected city. Trusted relationships and direct access to decision-makers help ideas move faster.

GLOBALLY CONNECTED

International companies, researchers and strategic partners are choosing the Gold Coast to collaborate, invest and access Australia and the Asia-Pacific region.

FOCUSED ON STRENGTHS

Clear focus on niche strengths in medtech, biotech and health innovation alongside specialised enabling tech capabilities across industry sectors, drives strategic partnerships and commercial opportunities

READY FOR WHAT'S NEXT

Brisbane 2032, the SEQ City Deal, major infrastructure investment and a rapidly expanding knowledge economy are creating long-term opportunities for businesses to grow alongside the precinct.

A MAGNET FOR TALENT

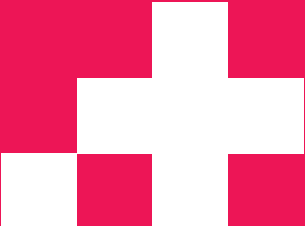
Exceptional lifestyle, transformational education and growing career opportunities help attract and retain the people who drive long-term innovation.

+ Global partnerships. Local impact.

Innovation knows no borders. The world's leading innovation ecosystems connect research, industry and investment beyond boundaries to accelerate discovery, commercialisation and market access.

Strategically positioned within the Asia-Pacific region, the Gold Coast Health and Knowledge Precinct provides organisations with a landing-pad gateway to Australia while connecting them to global markets, talent and research partnerships. Here, international companies don't simply establish a presence. They become part of an ecosystem built to innovate, collaborate and create lasting impact.

FROM THE GOLD COAST TO THE WORLD, GCHKP IS TRANSFORMING GLOBAL PARTNERSHIPS INTO HEALTHIER COMMUNITIES, STRONGER INDUSTRIES AND BETTER OUTCOMES FOR PEOPLE.



PHILIPS (GLOBAL)
ADVANCING THE FUTURE OF SURGERY

Supporting image-guided surgery, robotics and AI-enabled healthcare through the NeuTex Image Guided Surgery and Robotics Training Centre.

FIRST OF ITS KIND OUTSIDE THE US



SANOFI (GLOBAL)
DRIVING THE NEXT GENERATION OF VACCINES

Collaborating through Queensland’s Translational Science Hub to advance next-generation mRNA vaccines.

500M+ PEOPLE REACHED GLOBALLY EACH YEAR



THERMO FISHER SCIENTIFIC (GLOBAL) ACCELERATING BIOTECHNOLOGY TRANSLATION

Partnering with Griffith University to accelerate biotechnology translation and commercialisation.

1M+ SCIENTISTS SUPPORTED GLOBALLY



NUCLEUS NETWORK (AUSTRALIA, US & UK) EXPANDING ACCESS TO NEW TREATMENTS

Partnering with Griffith University’s Clinical Trial Unit to strengthen commercial clinical trial capability.

AUSTRALIA | US | UK



INTELLIGENE (TAIWAN)
BUILDING AUSTRALIA'S RNA FUTURE

Established its Australian headquarters within Griffith University’s Institute for Biomedicine and Glycomics to advance RNA therapeutics and extracellular vesicle technologies.

AUSTRALIAN HQ ESTABLISHED IN GCHKP

Capability with collaboration for maximum impact

4.1 PRECINCT CAPABILITY AREAS

The Gold Coast Health and Knowledge Precinct brings together complementary capabilities and enabling technologies across biotechnology, healthcare, AI, advanced manufacturing and commercialisation. Clinical trials are a key capability.

Rather than operating in isolation, our researchers, clinicians, entrepreneurs, industry partners and investors work together within one connected ecosystem, creating an environment where innovation moves faster and opportunities scale further.



BIOTECH

CORE CAPABILITIES

- Vaccines and mRNA
- Drugs and biologics
- Cell and gene therapies
- Synthetic biology
- Clinical Trials

NICHE CAPABILITIES

- Spinal cord injury cell therapy
- Glycomics discovery
- Precision mRNA platform and Nanomedicine
- Biofoundry
- Spatial genomics and profiling
- Drug discovery compounds bank
- Lab-on-chip and salivary diagnostics

MEDTECH

CORE CAPABILITIES

- Precision medicine
- Human digital twins
- Devices and implants
- Advanced rehabilitation
- Point-of-care diagnostics

NICHE CAPABILITIES

- Cardiac devices/blood mechanobiology
- Neurovascular surgical robotics
- Neurorehabilitation robotics
- Smart wearables for injury prevention and rehabilitation
- Microdevices for therapeutic delivery



HEALTHCARE

CORE CAPABILITIES

- Comprehensive tertiary care
- Clinical trials
- Digital health and systems
- AI-enabled healthcare
- Specialised medicine

NICHE CAPABILITIES

- Emergency and trauma medicine
- Stroke and neurovascular
- Allied health interventions
- Mental health interventions
- Nursing and Midwifery, Maternal health
- Specialist rehabilitation services
- Disability and Inclusion
- Technology co-development

SUSTAINABILITY & CLEAN ENERGY

CORE CAPABILITIES

- Water Systems
- Clean Energy
- Circular Economy
- Climate Change Adaptation
- Environmental sensors

NICHE CAPABILITIES

- Sustainable plastics reuse
- Sustainable materials
- Biofuels and waste to energy
- Hydrogen and Catalysis
- Battery technologies and recycling



AEROSPACE & DEFENCE

CORE CAPABILITIES

- Lightweight materials design
- UAV and aviation systems
- Cybersecurity and systems
- Satellite imaging

NICHE CAPABILITIES

- Lightweight satellite design
- Human performance factors and aviator training
- Forensic science, biosecurity and counterterrorism
- Security systems integration

HUMAN PERFORMANCE AND SPORTS TECH

CORE CAPABILITIES

- Performance optimisation
- Injury prevention and rehab
- Digital athlete simulation
- Sports psychology
- Biomechanics and wearables

NICHE CAPABILITIES

- BioMotion AI system
- Female Athlete Performance
- Cognitive Performance tools
- E-sport science and immersive tech



QUANTUM SCIENCE

CORE CAPABILITIES

- Quantum communications
- Quantum photonics
- Quantum computing
- Quantum sensing

NICHE CAPABILITIES

- Quantum drug discovery
- Attosecond physics and lasers
- PsiQuantum partnership
- Quantum materials simulation

AI AND DATA SYSTEMS

CORE CAPABILITIES

- Machine Learning
- Smart sensor networks (IoT)
- Big Data and Analytics
- Robotics and automation
- Security for smart networks

NICHE CAPABILITIES

- Bioinformatics and graph machine learning
- Computer Vision
- Processing and Hyperspectral Imaging
- Trustworthy Artificial General Intelligence (AGI)



ADVANCED MANUFACTURING AND DESIGN

CORE CAPABILITIES

- Micro and nano new materials
- Additive manufacturing
- Product design and prototyping
- 3D printing technologies
- Semiconductors

NICHE CAPABILITIES

- Silicon Carbide
- Micro and nano electronics
- Microfluidics
- 3D metal and polymer printing
- Specialised testing, simulation

The GCHKP journey to impact



WHERE IDEAS BECOME COMPANIES

+ BUILDING THE NEXT GENERATION OF INNOVATORS AT COHORT INNOVATION SPACE

Great innovation ecosystems don't just attract established companies. They create the conditions for new ones to emerge and grow.

At the heart of GCHKP, Cohort Innovation Space is Queensland's second largest innovation spaces, bringing together founders, startups, researchers and scaling companies within a thriving entrepreneurial community.

Across three buildings, Cohort combines coworking, private offices, laboratories and event spaces with accelerator programs, mentoring, investor connections and industry networks. Its location within the precinct puts founders within walking distance of researchers, clinicians, students and industry, helping turn connections into opportunities for commercialisation and growth.

SUPPORT AT EVERY STAGE

From students exploring their first idea to technology companies ready to scale, Cohort supports innovators across the startup journey.

Startup and incubation support | Mentoring and commercialisation expertise | Research and clinical connections | Investor networks | Flexible offices and laboratories | Industry partnerships | Talent and workforce connections

MORE THAN A WORKSPACE. A COMMUNITY

Innovation happens through connection. Cohort brings the ecosystem together through a year-round calendar of pitch nights, founder and investor events, mentoring, workshops, hackathons and industry events, alongside regular activities that create a genuine sense of community.

Major events including InvestFest, HealthTech Summit and LuminaX Demo Night connect founders with investors, industry and expertise from across Australia and beyond.



2,500m²+
of innovation space

3 BUILDINGS
for coworking, research, programs and events

65+ STARTUPS
supported through LuminaX Accelerator

80+ EVENTS/yr
connecting founders, investors, researchers and industry

\$50M RAISED
by supported companies

A FOUNDER CAN FIND WORKSPACE, LABS, MENTORS, RESEARCHERS, CLINICIANS, INVESTORS AND POTENTIAL PARTNERS WITHIN ONE CONNECTED ECOSYSTEM.

GCHKP doesn't just provide a place for innovative companies. It creates the conditions for new ones to grow.

EXPLORE → START → ACCELERATE → SCALE

NEXTGEN → START CLUB → LUMINAX → AMPLIFY



Through the Gold Coast healthtech community, we've gained the clinical insight, connections and support we needed to take Toralis further and push the boundaries of health innovation."

— Ibrahim Zaky, Toralis

Infrastructure That Enables Innovation



Proxima

COMPLETED 2024 | LIMITED LEASING AVAILABLE

Purpose-built for paediatric health, allied health and education, Proxima combines specialist healthcare with premium commercial accommodation.

HIGHLIGHTS

Eight levels
A-grade office accommodation
Inclusive childcare
Allied health
Education and wellbeing services



RDX Lumina

COMPLETED 2026 | NOW LEASING

A \$154 million purpose-built commercial building designed for health, biotechnology and technology organisations.

HIGHLIGHTS

Nine storeys
Approximately 12,500 sqm
Premium office and lab-ready space
6 Star rated in building design and construction
Flexible research and commercial environments



HATRIC

CONSTRUCTION COMMENCED 2026

Griffith University's next-generation Health and Advanced Technologies Research and Innovation Centre will strengthen research translation through advanced laboratories, prototyping facilities, clinical trials and commercial scale-up space.

HIGHLIGHTS

Biomedical research
Clinical trials
Advanced design and prototyping
Industry collaboration
Scale-up facilities

The Gold Coast Health and Knowledge Precinct is backed by \$5b in health, education, research, transport, lifestyle and digital infrastructure.

Today, new commercial developments and continued public and private investment are building on that foundation, creating opportunities for organisations to establish, collaborate and scale.

AN ESTABLISHED INNOVATION ECOSYSTEM

The precinct brings together a unique concentration of research, healthcare, education, commercial and community infrastructure within one connected location.

KEY INFRASTRUCTURE INCLUDES:

- Griffith University
- Gold Coast University Hospital
- Mater Gold Coast Private Hospital
- Cohort Innovation Space
- Queensland Academies Health Sciences Campus
- Local Residential Community (formerly Smith Collective)
- Southport Sharks Sport and Entertainment Precinct
- Gold Coast Light Rail
- Public realm and supporting infrastructure
- Specialised R&D labs, prototyping and testing labs, clinical trial facilities, simulation and training spaces
- High speed data through city fibre optic network

CONTINUING TO GROW

Over \$250 million in private commercial developments have been delivered between 2024 and 2026, expanding the precinct's capacity for research, innovation and investment.

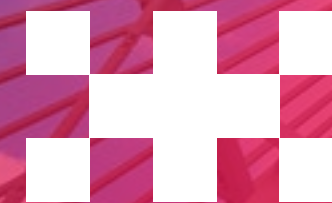
PLANNED DEVELOPMENTS INCLUDE:

- NEXTDC data centre
- North Star
- Gold Coast Life Sciences Centre

FLEXIBLE LAND AND LEASING

Investment-ready sites represent one of the final opportunities to establish a presence within a globally connected innovation ecosystem with key sites prominently located along a major road corridor providing opportunities for specialised advanced manufacturing and emerging economy uses.

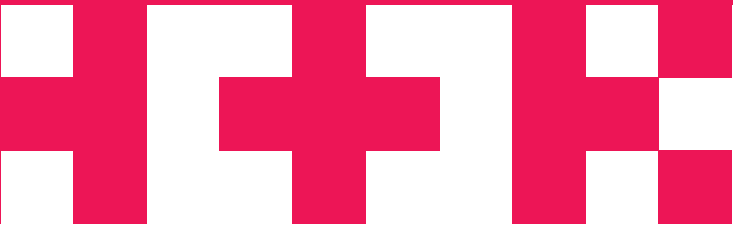
Infrastructure creates the environment. Connected people transform it into impact.



Only 3.5 hectares of the original commercial development land remains available within the precinct masterplan.

Space to grow

PEOPLE TRANSFORMING LIVES



Reimagine

+ REIMAGINING WHAT'S POSSIBLE AFTER SPINAL CORD INJURY

Of the many enduring quests in medical research, a cure for spinal cord injury is surely one of medicine's greatest challenges.

At the Gold Coast Health and Knowledge Precinct, two multidisciplinary teams from Griffith University are tackling that challenge through novel, yet complementary, approaches. One is pursuing a regenerative cell transplantation therapy designed to repair damaged spinal cords. The other is developing advanced neurorehabilitation technologies that seek to reconnect the brain and body.

Both initiatives have progressed into clinical studies following years of research, collaboration and promising early results. Each is inspired by the determination of two remarkable Gold Coasters whose lived experience continues to drive hope for thousands of people living with paralysis: Perry Cross AM and Dr Dinesh Palipana OAM.

Today, that hope is being transformed into action through the people, partnerships and innovation that define the Gold Coast Health and Knowledge Precinct.

Regenerate Reconnect

+ A WORLD-FIRST CLINICAL TRIAL IN SPINAL CORD REGENERATION

After a devastating spinal cord injury more than 30 years ago, Perry Cross AM dedicated his life to raising funds towards a cure for paralysis. His tireless advocacy and philanthropy have helped make possible one of Australia's most ambitious regenerative medicine programs.

Today, Professor James St John and his team of more than 40 researchers at Griffith University's Clem Jones Centre for Neurobiology and Stem Cell Research are leading the world's first clinical trial of a novel nerve bridge transplantation therapy for chronic spinal cord injury.

Using specialised olfactory ensheathing cells, grown into a three-dimensional nerve bridge, the therapy is designed to guide the regeneration of damaged nerve pathways across the injured spinal cord. World-first cell transplantations will be performed at the Gold Coast University Hospital as part of a Phase 1 clinical trial.

Combined with intensive exercise therapy aimed at stimulating neural repair, the trial marks the translation of decades of laboratory research into a potential new treatment for paralysis.

+ RECONNECTING THE BRAIN AND BODY

Queensland's first quadriplegic doctor, researcher, lawyer and passionate disability advocate, Dr Dinesh Palipana OAM believes technology can fundamentally change the future of neurorehabilitation.

Co-leading Griffith University's BioSpine initiative with Associate Professor Claudio Pizzolato, Dr Palipana and the multidisciplinary team are combining digital twins, artificial intelligence, robotics, brain-computer interfaces, functional electrical stimulation and virtual reality to restore communication between the brain and body.

Together, these technologies create highly personalised and immersive rehabilitation designed to reconnect broken neural pathways, restore movement and sensation, and maximise functional independence.

Early clinical studies have demonstrated promising improvements, offering new hope for people living with paralysis.

BiVACOR



A DREAM MORE THAN 20 YEARS IN THE MAKING

There are some ideas that seem impossible, until someone refuses to give up on them.

More than two decades ago, biomedical engineer Dr Daniel Timms and his plumber father began experimenting with designs for an artificial heart, building early prototypes with parts from Australian hardware store Bunnings.

For Daniel, the challenge was deeply personal. His father was living with end-stage heart failure and would ultimately die from the disease.

But the idea they started together didn't end there.

Today, BiVACOR has developed the world's first titanium rotary total artificial heart, designed to support people with end-stage heart failure.

Following successful first-in-human implants in the United States, the technology reached another extraordinary milestone in Australia. The first Australian clinical study patient was able to leave hospital with the BiVACOR heart and spent 105 days supported by the device before receiving a donor heart.

From its Australian headquarters at Cohort Innovation Space in the Gold Coast Health and Knowledge Precinct, BiVACOR continues its research, development and clinical trial activities, working alongside Griffith University's specialised researchers and international clinical partners.

What began as a deeply personal ambition between a father and son is now helping redefine what may be possible with the technology achieving breakthrough device status from the US FDA.

“Coming back from the US, where we work very closely with the world-renowned Texas Heart Institute, to see the expansion of the Gold Coast Health and Knowledge Precinct made it really attractive for us to bring our technology back here to work with a world-leading laboratory at Griffith”

- Dr Daniel Timms, Founder and CTO, BiVACOR



20+ Years
From an ambitious idea to human implantation

+ 105 Days
supporting the first Australian clinical study patient before transplant

World First
Titanium rotary total artificial heart

BiVACOR is also part of the Australian Government's \$50 million MRFF Heart Frontiers Program.

Southern RNA



A NEW HOPE FOR CHILDREN WITH BRAIN CANCER

For families facing childhood brain cancer, new treatment options cannot come soon enough.

Brain tumours kill more Australian children than any other disease. Now, the world-first Australian PaedNEO-VAX clinical trial is testing an extraordinarily personalised approach for children and adolescents with some of the most aggressive and treatment-resistant brain cancers.

Personalised cancer vaccines may hold new hope for these children, and precinct biotech Southern RNA is providing the complex manufacturing platform to help make them possible.

Each child's tumour is genetically sequenced to identify its unique cancer markers. Those markers are then used to select targets for a personalised mRNA vaccine, designed to train the child's immune system to recognise and attack the cancer.

With time so precious, Southern RNA's complex role is to manage the individualised manufacture of each vaccine. In partnership with Canadian biotech Providence Therapeutics, the team is using its biomanufacturing capability to turn genomic data into a usable therapy within around 10 weeks of a child enrolling in the trial.

The vaccines are being manufactured in Queensland before being sent to participating hospitals for treatment, with the trial operating across eight paediatric hospitals in five Australian states.

It's time-critical, sovereign manufacturing capability being pioneered here in the Gold Coast Health and Knowledge Precinct. And with ongoing R&D partnerships with Griffith University's Institute for Biomedicine and Glycomics, the precinct is helping accelerate the next generation of personalised RNA medicines.

“The precinct connects researchers, clinicians and entrepreneurs in one place, creating the network we need to translate discovery into therapies faster. Our facility here will enable us to move from R&D to clinical trials and full-scale GMP manufacturing, keeping capability and talent onshore.”

- Chris Peck Southern RNA Managing Director

~10 WEEKS
from patient enrolment to a customised vaccine

8 PAEDIATRIC HOSPITALS
across five Australian states

WORLD FIRST
PaedNEO-VAX personalised vaccine trial for children and adolescents with advanced or treatment-resistant brain tumours



Join one of Australia’s most connected innovation communities

From globally recognised institutions and one of Australia's largest health services to multinational companies, high-growth startups and emerging technologies, organisations choose to locate here because collaboration is embedded in the ecosystem anchored by long-term founding partners.

OUR FOUNDING PARTNERS



Through Economic Development Queensland (EDQ), the Queensland Government has led the development of Lumina, the precinct’s dedicated commercial innovation district. Trade and Investment Queensland (TIQ), Department of the Environment, Tourism, Science and Innovation (DETSI) and Department of State Development, Infrastructure, Local Government and Planning support international investment, industry growth, innovation and long-term economic development.

Australian Government connections

Austrade | DFAT | Regional Development Australia



One of Australia’s leading research universities, Griffith University is internationally recognised for excellence in health, biotechnology, AI, advanced manufacturing and translational research.

Key research institutions

- Institute for Biomedicine and Glycomics (IBG)
- Australian Centre for Precision Health Technologies (PRECISE)
- Queensland Quantum and Advanced Technologies Research Institute (QUATRI)
- Advanced Design and Prototyping Technologies Institute (ADaPT)
- Griffith Clinical Trial Unit

45,000

students

Top 2%

of universities worldwide

4,000

staff

#2 globally

for sustainability



One of Australia's largest and fastest-growing health services, Gold Coast Health is recognised for its leadership in tertiary healthcare, clinical research and digital health innovation.

Its strong culture of research and collaboration enables new technologies and treatments to be rapidly translated into improved patient care through partnerships with Griffith University, industry and government within the precinct.

13,500

staff

\$1.79B

hospital built in 2013

Research-active

health service



The City of Gold Coast established the vision for the precinct more than 25 years ago and continues to drive investment, economic diversification and city-shaping initiatives. Through Invest Gold Coast, and working closely with partners, the city is positioned as a globally competitive destination for health, research and innovation.





ECOSYSTEM PARTNERS

Supporting the precinct’s innovation ecosystem are a diverse range of organisations that strengthen research, healthcare, education, commercialisation and community.



MATER PRIVATE HOSPITAL GOLD COAST

Specialist private healthcare supporting clinical excellence, research, innovation and clinical trials. Part of Queensland’s largest for-purpose network of hospitals.



COHORT INNOVATION SPACE

Queensland’s second-largest innovation hub, supporting founders, startups and scale-ups through coworking, laboratories, accelerator programs and investment networks.



NEUTEX IMAGE GUIDED SURGERY AND ROBOTICS TRAINING CENTRE

Australia’s leading medical training centre for image-guided surgery, robotics and neurovascular procedures.



QUEENSLAND ACADEMY FOR HEALTH SCIENCES

Developing the next generation of health and STEM talent through precinct-based education.



SOUTHPORT SHARKS

A premier community, sporting and entertainment destination, bringing together elite sport, hospitality and sports innovation.



LOCAL RESIDENTIAL COMMUNITY (FORMERLY SMITH COLLECTIVE)

Australia’s first build-to-rent community, providing housing, retail and lifestyle amenities for the precinct workforce.



SANCTUARY EARLY LEARNING ADVENTURE

Integrating early childhood education with paediatric health and research.



GOLD COAST HOSPITAL FOUNDATION

Supporting patients, clinicians and researchers through philanthropy, equipment, scholarships and innovation funding.

HOME TO INDUSTRY LEADERS

A growing community of global companies, innovative SME's and high-growth start-ups are now doing business in our precinct including:

MAJOR COMPANIES



BIOTECH/MEDTECH



AI, ROBOTICS & DIGITAL HEALTH



EMERGING COMPANIES



The Next Chapter

Momentum Is Building

Today, a new wave of infrastructure, industry and global opportunity is shaping the precinct's next chapter to take it to completion ready for the 2032 Olympic and Paralympic Games



Ellie Beer OLY, Griffith University Student and Dual Olympian

01
AN ESTABLISHED ECOSYSTEM

The foundations are already in place.

25 YEARS
of strategic collaboration

\$5B+
infrastructure

02
A NEXT WAVE OF INVESTMENT

The next generation of commercial growth.

\$800M+
private investment completed, underway or planned

03
GROWING TALENT AND DEMAND

A city and region creating long-term opportunity.

21,000
students and a skilled workforce for a fast-growing economy

04
GLOBAL OPPORTUNITY

Local capability with international reach.

2032
Brisbane 2032 Olympics and Paralympics legacy for human performance and health innovation

Find Your Place in the Ecosystem

From development-ready land and commercial space to research partnerships, emerging technologies and investment-ready startups, opportunities exist across every part of the GCHKP ecosystem.

Whether you're looking to invest, establish, develop, commercialise or collaborate, the precinct offers multiple entry points depending on your organisation, ambition and stage of growth.

+ DEVELOPERS & INSTITUTIONAL INVESTORS

- 3.5 hectares of development-ready commercial land remaining with strong visibility
- Emerging commercial opportunities including future development sites and A-grade office leasing
- Strong demand supported by 16,000+ workers, 21,000 students and a growing residential community
- Long-term public and private investment driving precinct growth and governance supporting investment certainty

+ VENTURE INVESTORS

- Access 65+ startups supported through LuminaX Healthtech Accelerator and Cohort Innovation Space
- Investment opportunities across biotechnology, medtech, digital health, AI, human performance and more
- Pipeline of innovations emerging from world-class research
- Connections to founders, researchers and commercialisation opportunities

+ RESEARCHERS & CLINICIANS

- Collaborate with 1,000+ researchers and 7,500+ clinicians
- Access 150+ clinical trials
- Leverage world-class facilities including HATRIC and Griffith's research institutes
- Translate discoveries through industry partnerships and commercialisation

+ INDUSTRY & GLOBAL COMPANIES

- Join a community of 100+ companies, startups and innovation organisations
- Access 1,000+ researchers and 7,500+ clinicians
- Collaborate with globally recognised research institutes and healthcare providers
- Purpose-built commercial spaces supporting research, advanced manufacturing and innovation
- Investment incentives available, subject to eligibility

+ FOUNDERS & SCALE-UPS

GROW YOUR VENTURE IN A COLLABORATIVE COMMUNITY

- Join a fun and collaborative community of entrepreneurs and innovators
- Flexible innovation, lab and commercial spaces to support growth
- Access mentoring, investor networks and commercialisation expertise
- Connections to talent, customers and strategic partners

+ STRATEGIC PARTNERSHIPS

- Capitalise on opportunities emerging through the Brisbane 2032 Olympic and Paralympic Games
- Collaborate across research, healthcare, government and industry
- Partner on emerging capabilities in AI, digital health, human performance and advanced technologies
- Leverage major investments including NEXTDC, HATRIC and RDX Lumina to accelerate innovation and long-term growth

These opportunities continue to grow as new infrastructure, commercial development and investment expand the precinct's capability and scale.



Finding the right opportunity is only the beginning. The Precinct Office provides a concierge service, helping organisations navigate the people, capabilities and pathways across our connected ecosystem.

Our support is tailored to your organisation, capability and stage of growth.

DEPENDING ON WHAT YOU'RE TRYING TO ACHIEVE, TAILORED SUPPORT MAY INCLUDE:
Identifying investment, development and commercial opportunities
Connecting you with researchers, clinicians, industry, government and strategic partners
Navigating planning, government programs and potential incentives
Facilitating research collaborations, proof-of-concept and co-development opportunities
Connecting you with clinical trials, validation and specialist facilities
Accessing incubation, acceleration and commercialisation expertise
Connecting with advanced manufacturing and specialised infrastructure
Building investment readiness and connections to capital
Accessing workforce, talent and education networks
Connecting with local and international markets
Becoming part of the precinct's business, innovation and events community
Ongoing strategic connections as your organisation grows

+ Tell us what you're trying to achieve. We'll help you find the right place to start.



WHERE GREAT CAREERS AND GREAT LIVES COME TOGETHER.



THE GOLD COAST OFFERS SOMETHING INCREASINGLY IMPORTANT TO ORGANISATIONS COMPETING FOR GLOBAL TALENT: THE OPPORTUNITY TO BUILD AN EXCEPTIONAL CAREER WITHOUT COMPROMISING QUALITY OF LIFE.

Researchers, clinicians, entrepreneurs and professionals can access exceptional career and education opportunities within one of Australia's most liveable coastal cities, while organisations benefit from a growing talent pipeline and a place people genuinely want to call home.

The Gold Coast is a new city with ambition and openness, ready for new people and new ideas. The GCHKP is, like the Gold Coast itself, built with the promise and the culture of positive transformation.



"You get to work where you get a satisfaction that you're actually making it matter, you are actually doing something that has a real impact. But also when you leave work, you have a place where you can live your life."

— Dr Ronak Reshamwala

300+ DAYS OF SUNSHINE

LIFESTYLE

- 52km of patrolled beaches, with rainforest and national parks nearby
- Vibrant dining, arts, sport and major events
- Diverse housing, quality public and private schools, and lifestyle options
- An outdoor active culture supporting health and wellbeing

800 HIGHER DEGREE RESEARCH STUDENTS

TALENT

- 3 universities across the Gold Coast
- Griffith University's pipeline of health, STEM and research talent
- Queensland Academy for Health Sciences developing future health and science leaders
- Growing opportunities to build long-term careers across research, healthcare and industry

30 MINUTES FROM GOLD COAST AIRPORT

CONNECTED LIVING

- Diverse housing options within and around the precinct
- Direct access to Gold Coast Light Rail and major transport corridors
- Local dining, retail and services
- 7ha of parkland, walking trails and greenspace
- Easy connections to Brisbane and international markets

A place where exceptional careers and exceptional lifestyles come together.

Let's Build the Future Together

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