

Tech Central is located on the lands of the world's first innovators, the Gadigal People. Gadigal land is unceded, and always was, always will be Aboriginal land.

We pay respect to Elders past and present.

We recognise and value the extraordinary and ongoing contribution of First Nations peoples and communities to Australian life, and how this enriches all Australians.

We also acknowledge that innovation is a continuum of learning. First Nations peoples are our first innovators, scientists and technologists, and the work undertaken at Tech Central will add to this continuum as we learn from what came before us.

We embrace the spirit of recognition, working towards ensuring both an equal voice and equity in all aspects of our society.

MELCOME TO TECH CENTRAL

Quantum Technology
Health, Med Tech and BioTech
Research and Education
Startups, Scaleups and Support
Fintech
Cyber Security
Artificial Intelligence
Culture and Creativity
Sustainability and the Environment

Join Tech Central



Welcome to Tech Central, located in the tech startup capital of Australia, Sydney. Host to the largest innovation ecosystem in the country, with an estimated value of \$68b, attracting \$1.3b early-stage funding annually, Sydney ranks 20th among all global startup ecosystems, and is ranked number one in the Oceania region.

Sydney is an exceptional city in which to work, live and innovate. With an enviable climate, breathtaking environment, and exceptionally high-quality of life, there's no wonder Sydney is consistently voted as one of the world's most liveable cities — and one of the world's great urban centres. And nowhere is this more pronounced than within the thriving neighbourhoods of Tech Central.

Tech Central is home to some of Australia's most culturally diverse communities. It hosts one of the nation's deepest and broadest multidisciplinary research ecosystems: a comprehensive research and collaboration cluster where the brightest minds are changing people's lives for the better and building the industries of the future.

Internationally recognised universities and research institutions, one of Australia's premium research hospitals, game-changing startups, scaleups and unicorns, supported by multi-billion-dollar infrastructure projects, Government and global investors and are solidifying Tech Central's position as "Sydney's Innovation heart" and the global centre for groundbreaking innovation, deep tech, research and lifestyle.

Join us at Tech Central to build the most inclusive, sustainable and creative innovation district in the world.

Image: Greater Cities Commission







TECH CENTRAL

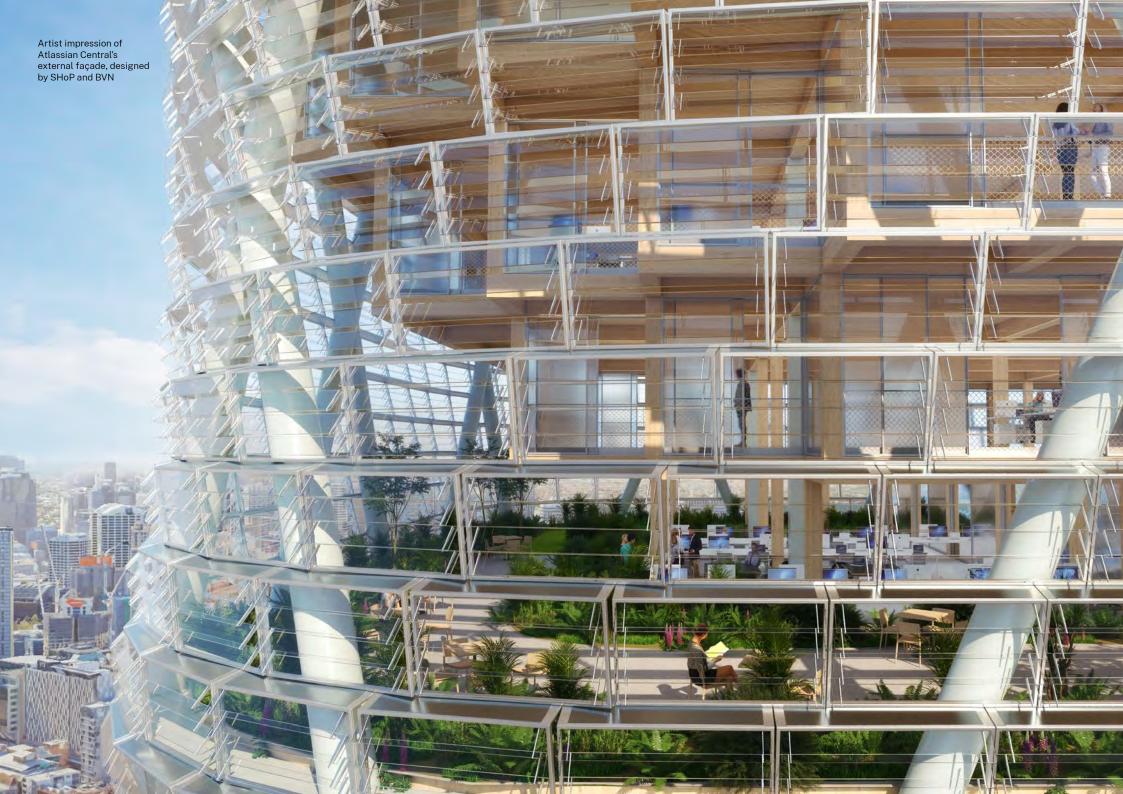
KEY

- 01 University of Sydney
- 02 University of Technology Sydney
- 03 Royal Prince Alfred Hospital
- 04 TAFE NSW
- 05 University of Notre Dame
- 06 Carriageworks
- Powerhouse
- 08 Central Station



Camperdown node-Bio-medical tech Eveleigh node-Digital and creative tech Haymarket node-Deep tech

AFTERPAY ATLASSIAN CANUA CLARITY PHARMACEUTICALS DNEG HARUEST B LLEAF MORSE MICRO Q-CTRL ROKT SAFETY CULTURE SPEEDX



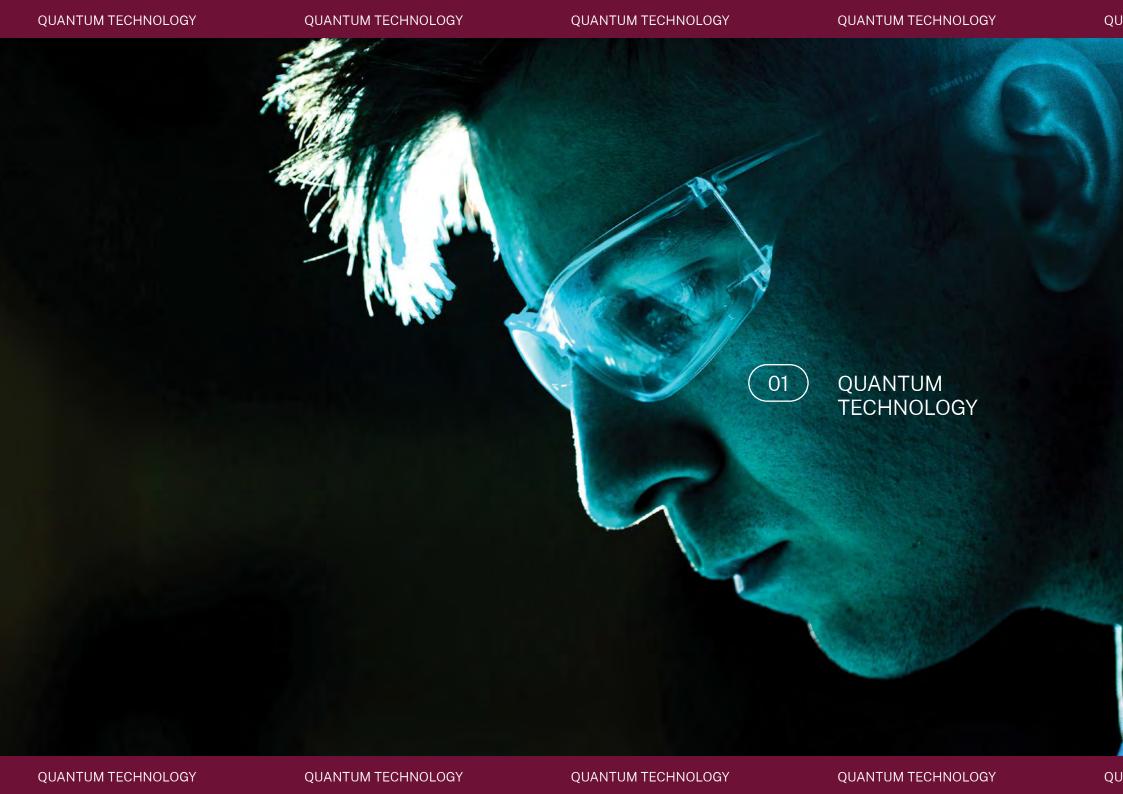




TOP RANKED STARTUP ECOSYSTEM IN THE SOUTHERN HEMISPHERE

TECH CENTRAL CONTRIBUTES TO THE 314,000 TECH WORK FORCE (NSW)

JOBS FOR TECH CENTRAL



Home to ambitious quantum visionaries and companies, Tech Central is building the infrastructure, investment and support to accelerate quantum's global impact.



CASE STUDY #1

THE QUANTUM TERMINAL

The Quantum Terminal is the first centralised collaboration space for researchers, developers, engineers and entrepreneurs working to advance quantum technology, high-performance computing and artificial intelligence in Sydney.

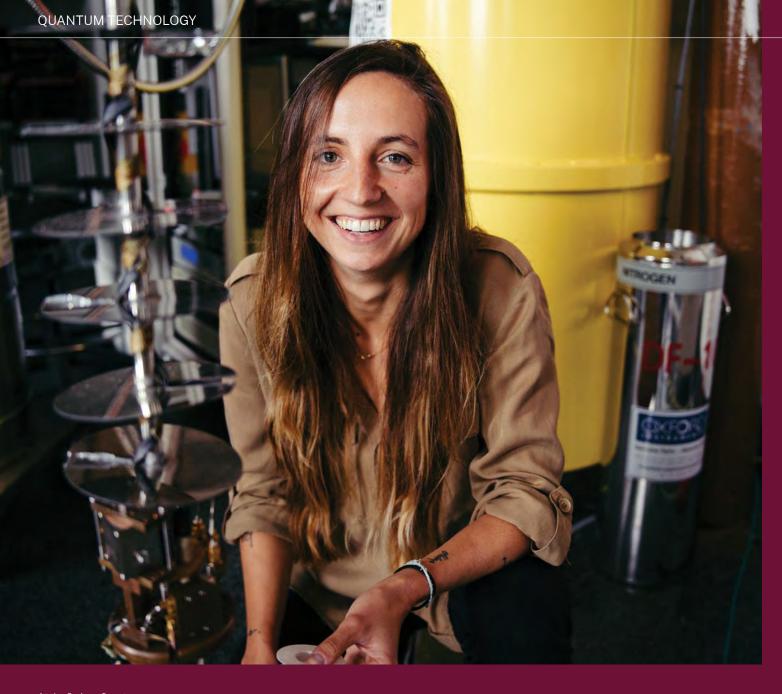
ANNUAL QUANTUM TURNOVER BY 2040 (AUSTRALIA)

OF AUSTRALIA'S UNIVERSITIES WITH QUANTUM CAPABILITIES (SYDNEY)

As a fundamental part of Australia's quantum capacity, Tech Central's quantum ecosystem is propelled by government. Companies, such as infrastructure software producer Q-CTRL, quantum hardware and computing developers Silicon Quantum Computing and Dirag, and high-resolution spectrograph producer Redback Systems, have all emerged from the Sydney quantum community. Tech Central also hosts Sydney Quantum Academy, delivering education programs and helping to connect industry with emerging research.

Tech Central's collaborative ecosystem, as well as close access to manufacturing and research institutions — including internationally recognised universities and health services with world-leading quantum capabilities — provides the perfect platform for quantum to change lives.

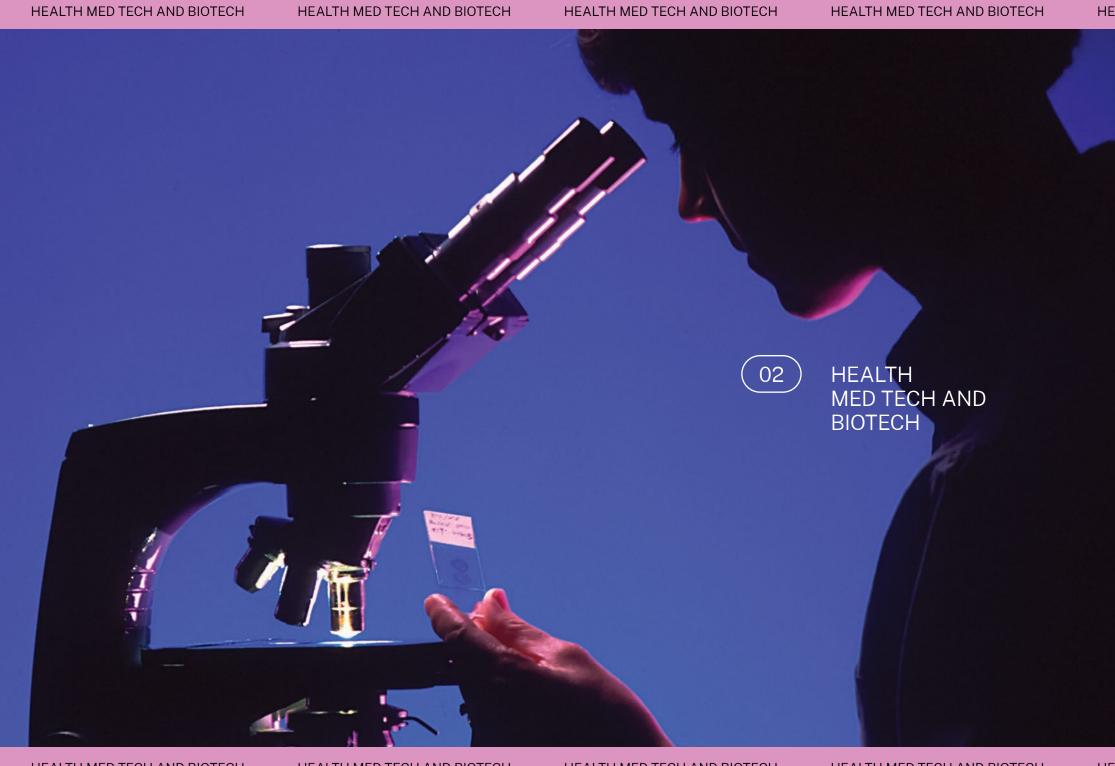
NEW QUANTUM JOBS BY 2040 (AUSTRALIA)



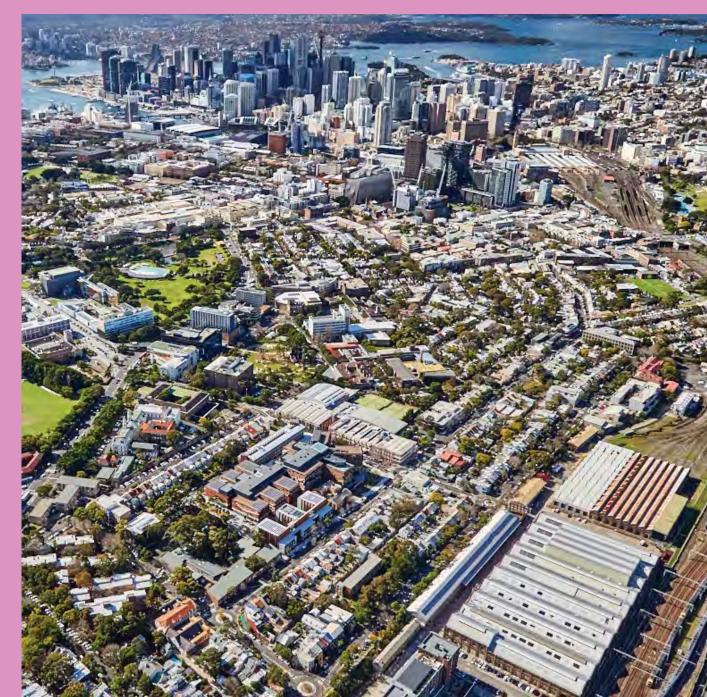
At the Sydney Quantum Academy, Sydney's collective quantum expertise is developing talent and a globally recognised quantum ecosystem. CASE STUDY #2

Q-CTRL

Q-CTRL provides quantum control infrastructure software to enhance quantum computers and sensors for some of the world's largest quantum computing companies. The company has assembled the world's foremost team of expert quantum-control engineers, providing solutions to global quantum technology leaders including Universities, National Labs, and quantum technology industry partners. Q-CTRL also partners with public sector defence and space agencies to deliver a new generation of quantum-enhanced navigation and earth observation capabilities.



Australia's premier hospital, leading R&D and biotechnology, medtech and pharmaceutical companies and universities, Tech Central has always been a centre for health innovation.



The Sydney Innovation Precinct for Health, Education and Research (SIPfHER) is one of the largest and most comprehensive health and education precincts in Australia. Leveraging from the 140-year relationship between the Royal Prince Alfred Hospital (RPA) and the University of Sydney, Tech Central's booming MedTech and BioTech industry is the largest in Australia, home to 55% of Australia's MedTech and BioTech companies, backed by R&D investment totalling \$5.5b (representing half of all R&D investment nationwide), and host to more than 50 pharmaceutical companies and 500 MedTech companies.

RPA and the University of Sydney are the founding partners of the largest and most comprehensive health, education and research precinct in Sydney (the Sydney Innovation Precinct) and are the Principle Partners for the state-significant Sydney Biomedical Accelerator complex. Underpinning the success of the Sydney Innovation Precinct for Health Education Research are the unique capabilities and collaborative entities that exist within Camperdown. These collaborations include Sydney Research and Sydney Health Partners, who are unique cluster of world-class health and medical research institutions and facilities that harness the expertise and leadership in research, healthcare and education from across the neighbourhood, including Sydney Local Health District, the University of Sydney and their partners.

INVESTED IN HEALTH OVER FOUR YEARS

IN MEDTECH REVENUE

DEDICATED TO MEDTECH





INSTITUTE OF ACADEMIC SURGERY

Since its formation in 2014, the RPA Institute of Academic Surgery has become a hub for surgical research and education on the RPA campus and is the first of its kind in Australia to be created with the sole focus of enhancing academic surgery. The Institute supports RPA surgical departments and their staff to be involved in high quality research and education, whilst continuing to provide world class surgical services at RPA.



CLINICAL CELL AND GENE THERAPY

Diseases like Haemophilia, Thalassemia, genetic diseases of the eye, muscle and immune system and blood cancers are now being cured due to the successful convergence of advances in genomic medicine, cell therapies and gene transfer technologies. For over two decades, NSW has invested in establishing two centres-of-excellence for good manufacturing practice of cell and gene-based therapies at Royal Prince Alfred Hospital (RPA) and Westmead Hospital. These facilities have a strong partnership and play complementary roles in the development of new novel treatments and therapies, which can be compared to the car manufacturing process – Westmead builds the structure, RPA manipulates the engine.

CASE STUDY #2

ROBOTIC TRAINING INSTITUTE

RPA Hospital is home to the da Vinci Robot and the Robotics Training Institute (RTI). The RTI was developed in a collaborative partnership between RPA, SLHD, the IAS and the University of Sydney, which brings together clinical care, research, training and state of the art medical technology. Device Technologies and Intuitive Surgical are among the key industry partners who drive the innovation and training capabilities of the RTI.



AB INITIO PHARMA

Ab Initio Pharma is a pharmaceutical R&D and manufacturing company based in Tech Central. The company provides global innovators with a platform to rapidly translate benchtop discoveries to fully-fledged commercial pharmaceuticals. Their new GMP facility, part of the Royal Prince Alfred Hospital precinct, opened earlier this year.



CASE STUDY #5

RPAVIRTUAL

rpavirtual is the first virtual hospital in NSW and operates out of a purpose-built space within the Royal Prince Alfred Hospital. Utilising RPA's world-class expertise, rpavirtual uses the latest digital technologies to deliver 24/7 personalised care. Already, this first-of-a-kind service has been recognised for digital innovation and excellence.





Tech Central's internationally recognised education, research and health institutions form the foundations for future convergence and innovation, and are a critical pipeline for innovation talent.

Image: Andrew Warssum

TOP 100 GLOBALLY RANKED UNIVERSITIES

The Royal Prince Alfred Hospital, University of Sydney, the University of Technology Sydney (UTS) and TAFE NSW have major infrastructure development programs in place and provide access to state-of-the-art core research facilities. They deliver innovation through collaborative research, partnerships and investment in core research and physical infrastructure programs.

Over 160,000 students study in Tech Central. Education plays a major role in the state's economic activity. Students from the University of Sydney alone contributed \$774m to the NSW economy in 2019, up from \$213m in 2016.

Home to ground breaking research institutions, Institute of Academic Surgery, Institute of Musculoskeletal Health and NHMRC Clinical Trials Centre and the Sydney Manucfacturing Hub are such examples. In addition hubs have been founded through collaborations across the district including The Australian Centre for Field Robotics, the Sydney Nanoscience Hub, and the Sydney Manufacturing Hub are such examples.

RESEARCH INSTITUTIONS

ACTIVE STEM STUDENTS



Image: Sydney Manufacturing Hub CASE STUDY #1

SYDNEY MANUFACTURING HUB

Sydney Manufacturing Hub has evolved from the deep and pioneering research skills and experience developed by the University of Sydney. The Hub facilitates an ecosystem for collaboration between academic institutions and industry, enabling breakthroughs in science and engineering, and creating an ecosystem to facilitate revolutionary outcomes to health, space and defence challenges.

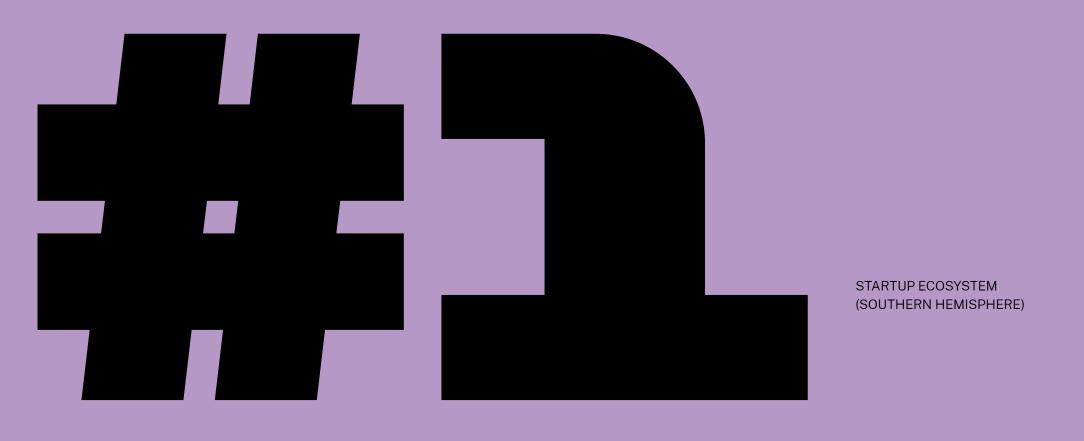
CASE STUDY #2

BIOLOGICS INNOVATION FACILITY

Biologics Innovation Facility is an unmatched GMP bioprocessing teaching and training facility, designed to drive opportunities to up-skill and scale-up biopharmaceutical projects by using state of the art single-use equipment and industry best practice processing techniques.



With substantial and committed investment from government and venture capitalists, high concentration to groundbreaking research and education, and support from hubs, incubators, accelerators and festivals, Tech Central is the perfect platform for businesses to start, grow, develop and commercialise their innovative technologies.



Sydney Knowledge Hub is a co-working space at the University of Sydney that enables researchers to build strong, collaborative partnerships with industry.

Recognised as the startup capital of Australia, Tech Central is supported by \$3.2b in government investment and over 50,000m² of affordable spaces dedicated to tech companies, startups and scaleups. Subsidised working spaces, shared resources and technologies, and a raft of incentives, polices and infrastructure projects creates an ecosystem ripe for the free exchange of ideas, knowledge and skills. And startup hubs and incubators on the UTS and University of Sydney campuses connect students to the innovation ecosystems.

This dynamic fusion established between government, universities, private investors, established tenants and entrepreneurs, is set to foster the next generation of thinkers, innovators and unicorns to build the industries of the future.



NEW SCALEUPS



STARTUP VALUATION (SYDNEY)



Spark Festival brings the best of innovation, tech and ideas to Tech Central.



SCALEUP HUB

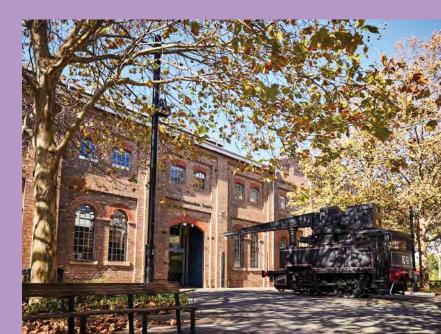
Scaleup Hub is backed by Stone and Chalk and the NSW Government, providing tech scaleups with 8,000m² of flexible office space, VC enabled meeting rooms and end-of-trip facilities, as well as access to experts, universities, investors, mentors, corporates, and government organisations.

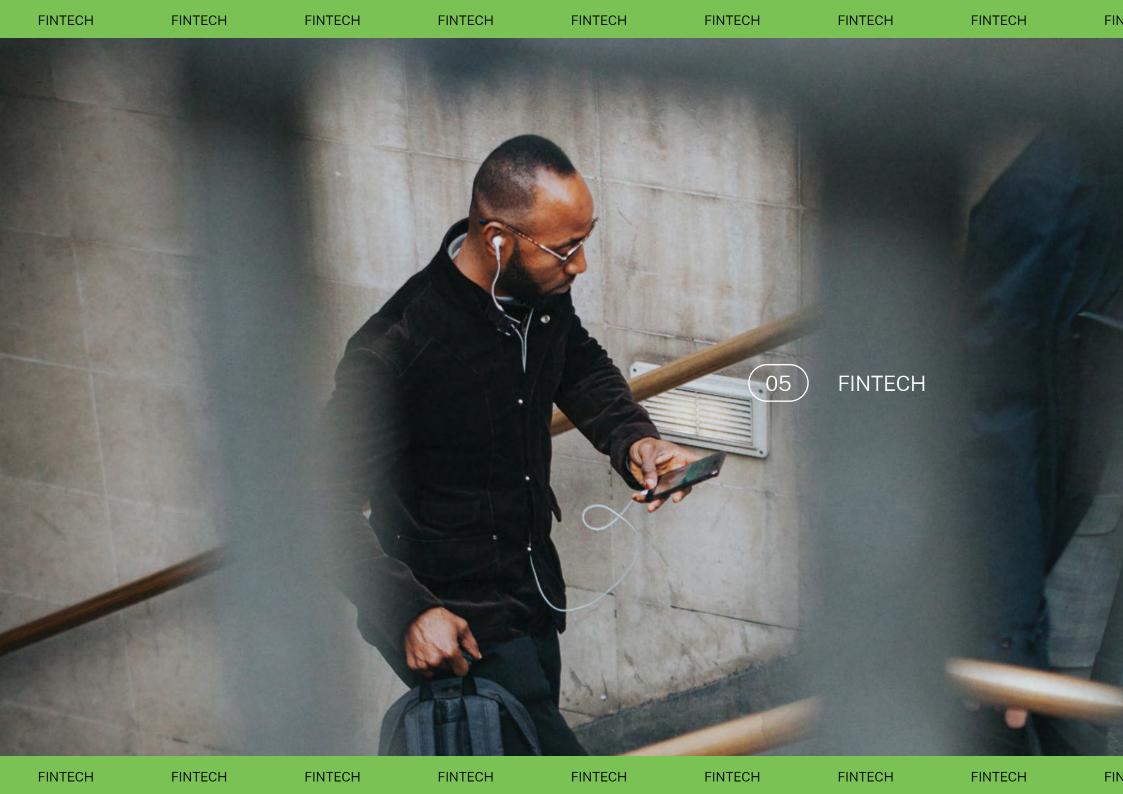




CICADA INNOVATIONS

Cicada Innovations is an incubator located inside a heritage steam-engine workshop in Eveleigh, providing unique environments and support for innovations. Founded by four shareholder universities (University of Sydney, UTS, UNSW, ANU) and twice awarded 'Top Incubator in the World' by InBIA, Cicada has supported 300 startups to raise \$900m+, \$1.2b in IPOs and sales, 700+ patents, and thousands of deep tech jobs.





The success of Tech Central's FinTech industry didn't happen overnight — it has been the result of unflinching foresight, a prestigious financial reputation, and a tech-loving, entrepreneurial community.

CASE STUDY #1

ROKT

ROKT is a Tech Central success story.
From startup to Unicorn, Rokit is a Inc.5000 ranked company, and a global leader in MarTech, operating in sixteen locations around the world. Clients include Live Nation, Groupon, Staples, Lands' End, Fanatics, GoDaddy, Vistaprint, and HelloFresh.

CASE STUDY #2

KIT

Kit is a pocket money app that aims to accelerate the financial capability of young people by providing them with the tools and knowledge to harness the power and potential of money. Built by x15ventures and developed by the Commonwealth Bank of Australia, the app is currently in trial mode.



OF AUSTRALIA'S FINTECHS ARE BASED IN NSW

OF THESE FINTECHS ARE VALUED OVER \$100M

OF THESE FINTECHS ARE FOUNDED BY WOMEN

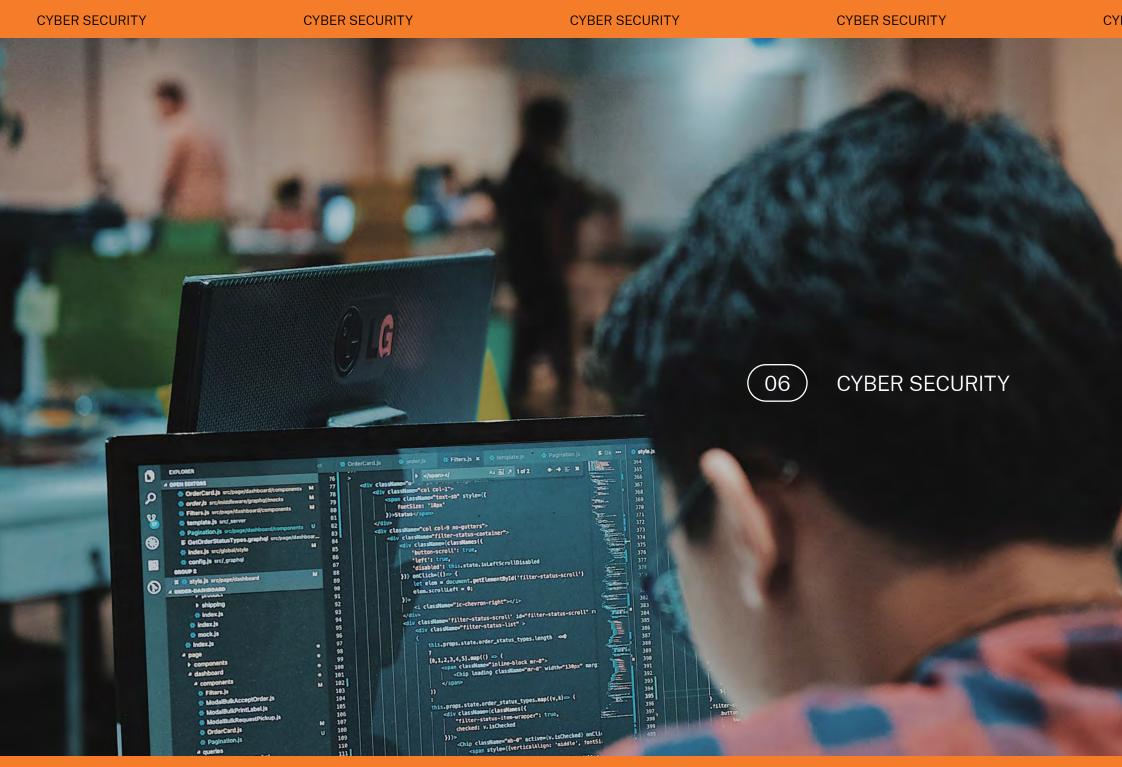
Ranked #11 as a global FinTech hub, and home to unicorns such as ROKT, Afterpay, and Zip, Tech Central's FinTech clout has emerged from the country's renowned \$10t financial services industry. The city is home to an array of big names and heavy hitters, with 80% of the major foreign banks' Australian headquarters based in Sydney, as well as eight of the country's largest superannuation fund managers.

With direct access to likeminded tech partners, complimentary industries, innovation centres and accelerators, these (soon-to-be) globally recognised companies benefit from Tech Central's thriving tech ecosystem.



Afterpay is a Sydney unicorn that moved to Tech Central as anchor tenant of the Brewery Yard precinct.





CYBER SECURITY CYBER SECURITY CYBER SECURITY CYBER SECURITY CYBER SECURITY CYBER SECURITY

Within the secure ecosystem of Tech Central, a cluster of cyber businesses are working together to address the growing cyber security threat.

CASE STUDY #1

NSW CYBER HUB

NSW Cyber Hub is a joint initiative between the NSW Government and the nation's cybersecurity industry advocacy group, the Australian Information Security Association (AISA). The hub delivers initiatives that accelerate the growth of NSW cyber businesses, attract and maintain a dynamic workforce, address skill gaps within the public service, and support research and innovation.

CASE STUDY #2

KASADA

Kasada specialises in bot detection and mitigation for websites, mobile apps and APIs. Receiving over \$39m in Series B and Series C funding, and with offices in Sydney, New York, Boston, Melbourne, San Francisco and London, Kasada is working with leading security agencies, including the CIA, to stop malicious attacks such as credential stuffing, fraud, account takeovers and data scraping.



OF AUSTRALIA'S CYBER SECURITY EMPLOYEES IN NSW

FORECAST REVENUE BY 2026 (AUSTRALIA) With 200+ cyber businesses based in Sydney, accounting for over 40% of Australia's 10,000 highly skilled cyber experts, Tech Central is host to the largest and most diverse range of cyber security companies in Australia.

With annual revenue in the sector set to hit \$6b by 2026, and backed by the Australian Government's 2020 Cyber Security Strategy (\$1.7b towards cyber security capabilities), Tech Central is building the knowledge, talent and dedicated research capabilities to tackle this global problem.

FORECAST INVESTMENT BY 2024 (AUSTRALIA) ARTIFICIAL INTELLIGENCE ARTIFICIAL INTELLIGENCE ARTIFICIAL INTELLIGENCE ARTIFICIAL INTELLIGENCE



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Al is expected to contribute more than \$30b to Sydney's economy by 2029, and Tech Central is set to play a pivotal role in this growing and powerfully important industry.



The Centre for Field Robotics is one of the largest robotics institutes in the world, and forms part of the Sydney Institute for Robotics and Intelligent Systems.



AI RESEARCH OUTPUT IN THE WORLD (AUSTRALIA)

OF AUSTRALIA'S AI BUSINESSES (NSW)

Since 2010, the Australian Research Council has awarded over \$243m in funding, and the national science agency, the CSIRO, has dedicated over \$19m to AI and machine learning. NSW employs more than two-fifths of Australia's software and application programmers, with 470,000 people working in the top ten AI relevant occupations. And Tech Central's universities are world-renowned for the AI and robotics capabilities, with three university research labs located in Tech Central.

Research institutions, like the independent, not-for-profit Gradient Institute, are leading the conversation on important issues, including the role of ethics within AI. It's this steadfast focus on equality, accountability and transparency, that will place Tech Central at the forefront of these vital global conversations.

PEOPLE WORKING IN TOP 10 AI RELEVANT JOBS (AUSTRALIA) CASE STUDY #2

AKIN AI

Co-founded by CEO Liesl Yearsley, Akin is a Silicon Valley and Sydney- based company conducting intensive R&D into the application of neuroscience within AI platforms — to develop the next generation of ethical AI. Akin is currently partnering with NASA's Jet Propulsion Laboratory to design prototype AI space crew.

CASE STUDY #1

CSIRO DATA61

CSIRO Data61 is the data and digital specialist arm of Australia's national science agency. Home to one of the largest collections of research and development expertise in AI and data science in the world, Data61 hosts cuttingedge facilities including the Mixed Reality Lab, Robotics Innovation Centre and AI4Cyber Enclave.

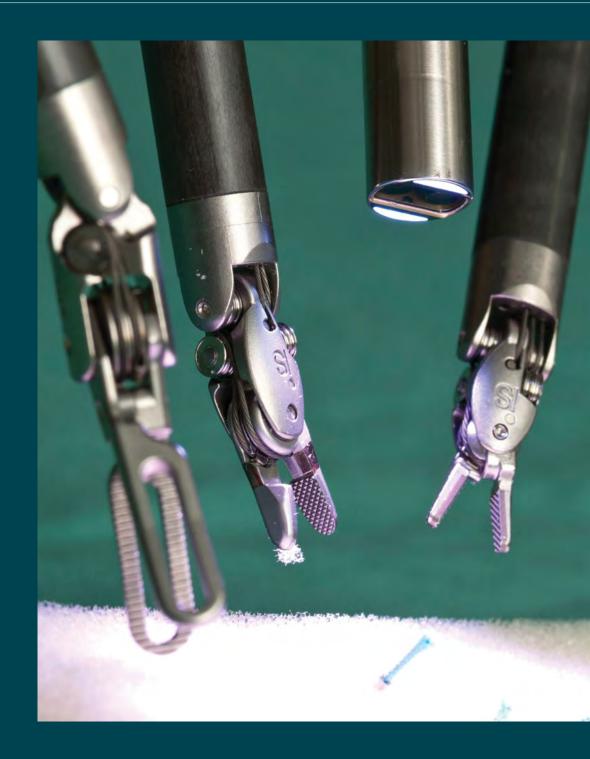






Image credit: City of Sydney

Tech Central has always been an inclusive and welcoming stage for Australia's creative communities and cultures. Everywhere you turn, you will discover streets buzzing with colour, energy and life — inspiring the innovators and innovations of tomorrow.

Image credit: City of Sydney



50%

OF AUSTRALIA'S POST-PRODUCTION STUDIOS (SYDNEY)

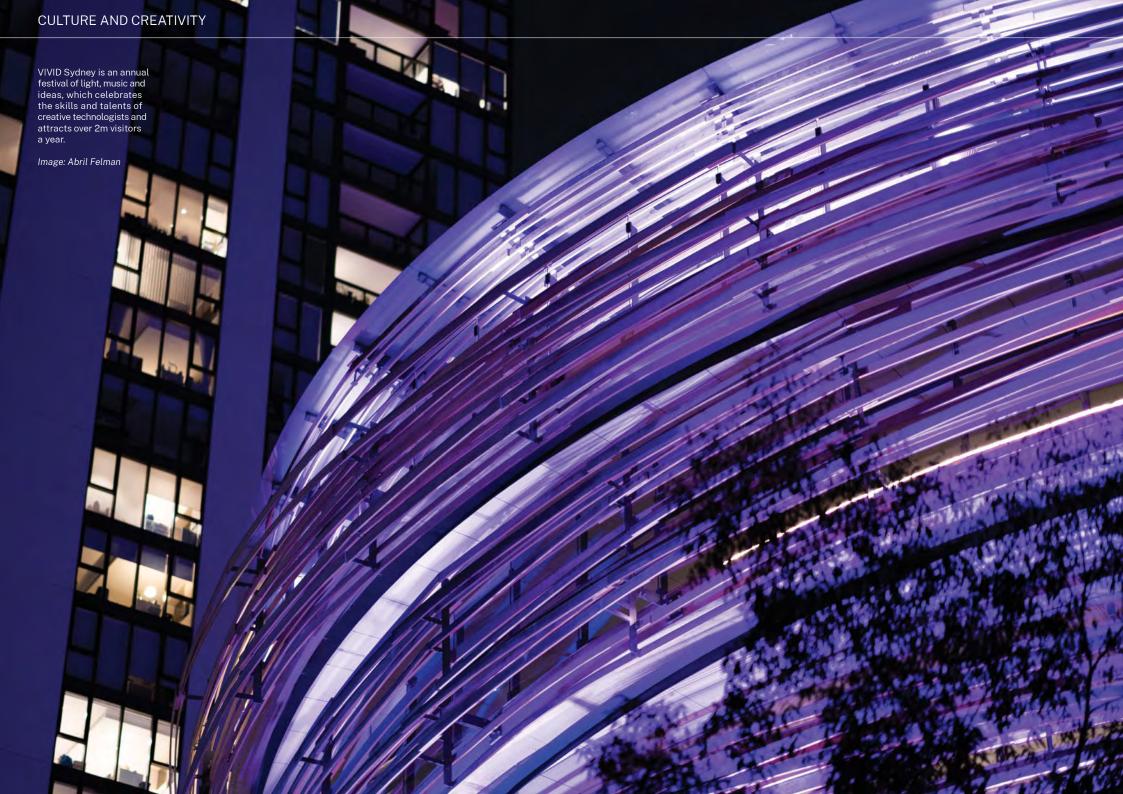
CREATIVE INDUSTRIES CONTRIBUTION TO AUSTRALIA

Home to 39% of the country's creative industries, 70% of its creative exports, and almost half of Australia's post-production industry, Sydney has built a reputation for its film, gaming, literature, music, food, fashion, theatre, advertising and design expertise — contributing greatly to Australia's \$30b creative services industry. Tech Central's proximity to Fox Studios, the Australian Broadcast Commission (ABC) studios, and a cluster of screen, digital and design based firms in Surry Hills and Oxford Street leads this growth.

World renowned arts festivals, including VIVID and Sydney Festival, contribute to the rich culture and creativity fuelling Tech Central. The world's most iconic conference and festival of creativity, South by Southwest (SXSW), will be launching SXSW Sydney in October 2023 - an annual event showcasing the Asia Pacific's preeminent music, screen, gaming, tech and innovation, with over 1,000 sessions, performances and activations across the city. Carriageworks is one of Australia's most cutting edge contemporary arts venue presenting Sydney Contemporary, Sydney Biennale, the National, Australian Fashion Week and a suite of events by resident companies throughout the year.

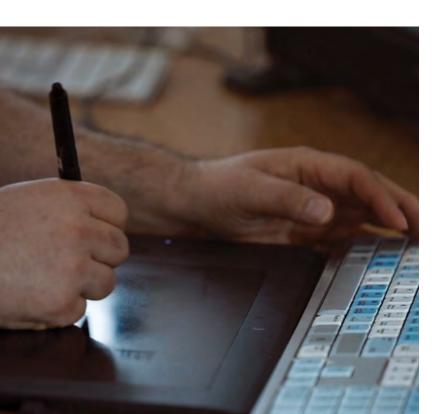
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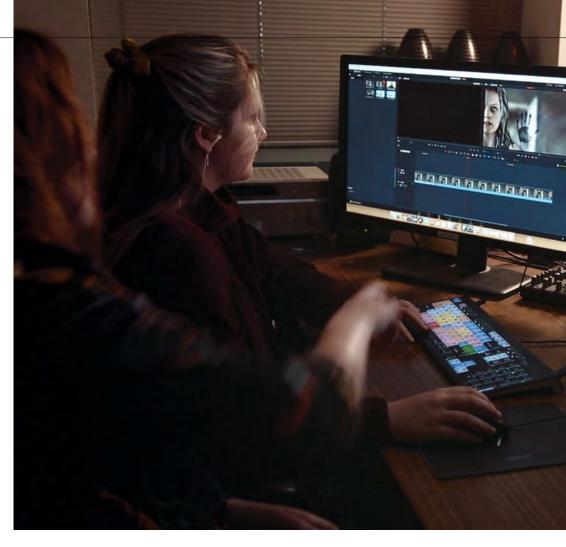
ANNUAL GAMING DEVELOPMENT REVENUE (AUSTRALIA)



CULTURE AND CREATIVITY







Cutting Edge is a post-production facility specialising in advertising, features and television.





Festival of Dangerous Ideas, Carriageworks, 2022

Image credit: Ken Leanfore

CASE STUDY #1

THE FESTIVAL OF DANGEROUS IDEAS

The Festival of Dangerous ideas is a disruptive festival that encourages debate and critical thinking, co-founded in 2009 by The Ethics Centre. Held at Carriageworks, FODI features a line-up of thinkers, artists, experts and disruptors from around the world, discussing and dissecting pressing issues across a weekend of panels, talks and events.

CASE STUDY #2

CANVA

Canva is a free online visual communications platform that empowers everyone in the world to unlock their creativity through design. An original tech startup founded in Tech Central, Canva's global community has rapidly grown to more than 95m people.



SUSTAINABILITY & THE ENVIRONMENT

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Hybrid timber buildings, urban canopies, sustainable mobility, greater energy and water retention, recycling waste programs, more public and green spaces, and neighbourhoods that contribute to positive wellbeing, Tech Central aspires to be the most sustainable and liveable innovation district in the world.



The interior of the NSW Deep Green Biotech Hub, which is delivering programs to support entrepreneurs and businesses in the use of algae biotechnologies.

Image: Yeah Rad Creative

With clean energy set to become Sydney's fastest growing sector (35% annually), and with the launch of Greenhouse, a new 4,000m² Cleantech Hub in Circular Quay set to open in May 2023, renewable technologies are attracting over \$11b in investment — and Tech Central's EcoTech community are playing an important role in driving this rapid transformation.

Research and industry partnerships and startups across Tech Central are addressing sustainability challenges from the development of revolutionary battery technology to sustainable agriculture technologies. Fundamental to the developing vision of this precinct is the commitment to First Nations cultural perspectives on sustainability and care for Country. Embedded approaches within Tech Central businesses, institutions and organisations will help deliver on this commitment.

There are a number of existing programs across the district that are already contributing to greater sustainability practices, including the CitySwitch Program, supporting office based businesses in their journey to net zero emissions. (cityswitch.net.au) and the Better Buildings Partnership, a collaboration of leading property owners providing green leadership for Sydney's commercial and public buildings, (betterbuildingspartnership.com.au).

\$2135

IN CLEAN ENERGY INVESTMENT (SYDNEY)

2035 NET ZERO EMISSION TARGET (CITY OF SYDNEY LOCAL GOVERNMENT AREA)



CASE STUDY #1

GELION

Gelion is developing safe and durable zinc-bromine batteries that outcompete lithium-ion technologies. The company has attracted investment from Australian investors and Armstrong Energy — a major British solar energy provider. Gelion's ambition is to deliver low cost, fire-safe batteries that compliment solar-energy technology.

Image: Louise Cooper

CASE STUDY #2

REGROW

Part of NSW's burgeoning AgTech sector, Regrow's platform incentivises growers, suppliers and companies to implement climate-forward agriculture practices to reduce greenhouse gas emissions. Located within Cicada, its proximity to leading universities has helped it network, recruit talent, and create internship programs.



Tech Central is a thriving ecosystem of world class universities, industry partners, ambitious startups and prestigious research institutes, inspired by rich and diverse creative communities and premier hospital and health services.

It is a global innovation district set to change lives.

We invite you to join us in building the most inclusive, sustainable and creative innovation district in the world.

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TECH CENTRAL ALLIANCE

(UNIVERSITY OF SYDNEY, UTS, SYDNEY LOCAL HEALTH DISTRICT, CITY OF SYDNEY, INNER WEST COUNCIL)

Greater Cities Commission

Refer to the Tech Central website innovation districts au/tech-central for statistical references and sources.









