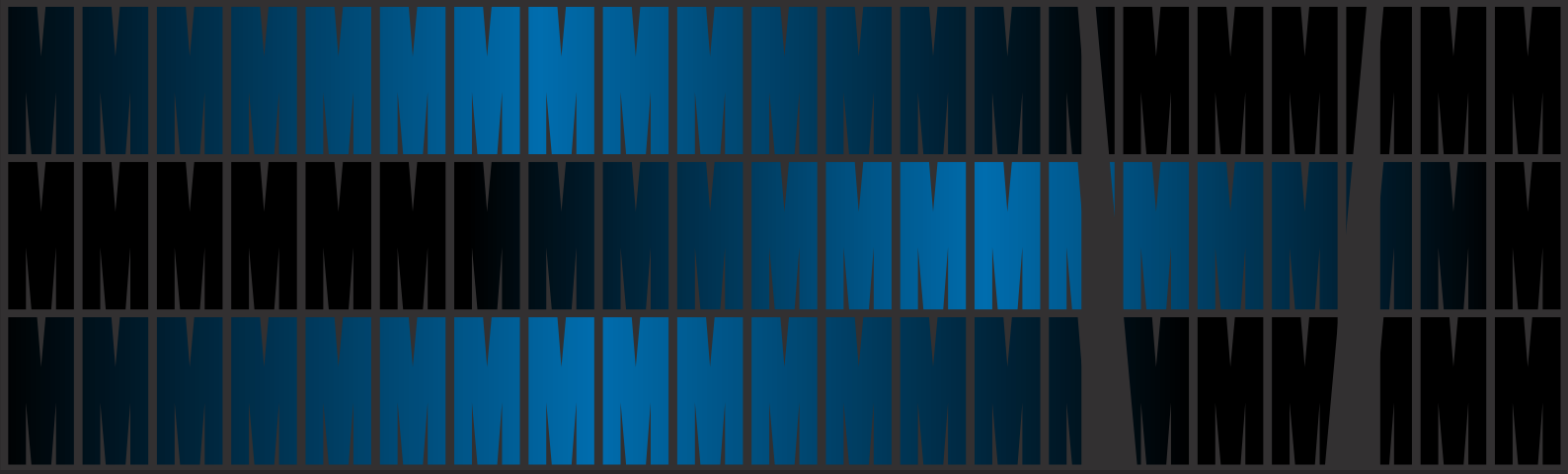




MONASH
University

**MAKING CHANGE WITH
MONASH UNIVERSITY**



Message from the President and Vice-Chancellor

At Monash, the desire to contribute and make a difference informs everything we do. We work tirelessly to enrich our research and education environments by weaving industry and government into the fabric of our institution to address the greatest challenges of our time.

Monash is a leading research university, and our activities in education, research and its translation is extensive. We're recognised as a world-leading educational institution and our network of alumni is making a positive difference on a global scale. As a critical part of the state and national economy, we contribute \$4.5 billion annually in economic activity. We are part of Victoria's wider story of growth, enterprise and excellence.

Our commitment to impact through enterprise has seen Monash University generate 561 invention disclosures and 213 new patent families, complete 165 licensed deals and create 26 new companies. In addition, we've launched 71 spinouts using Monash-owned IP and raised \$440 million in external capital. These figures may be impressive unto themselves, but - most importantly - they speak to our mission to weave industry and government into the fabric of our institution to most effectively tackle our world's greatest challenges.

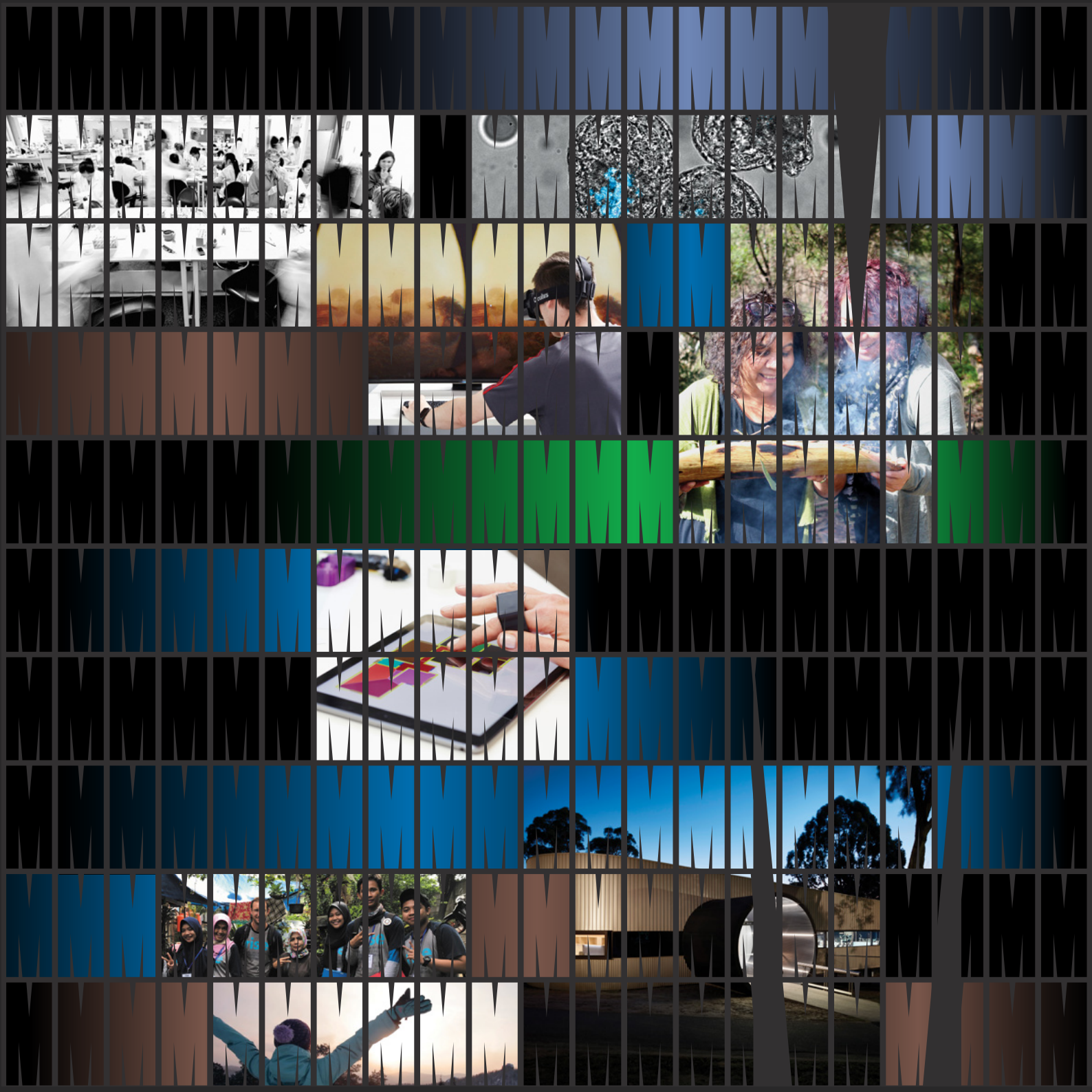
Through our research, education and enterprise, Monash is addressing some of the most significant global challenges of our age: climate change, geopolitical security and fostering thriving communities. We are committed to enhancing the areas of learning and innovation that will help address these challenges, and support national and global recovery and advancement. In doing so, we will continue to forge and nurture our deep connections with industry, government and community to achieve more.

Our success can only be achieved through working with others.

Professor Sharon Pickering

President and Vice-Chancellor
Monash University





We are currently shaping more than **50,500 students** from around the world with the **highest quality education** and **transformative, immersive experiences** to ensure they graduate able to build a better future

#42 IN THE WORLD

QS WORLD
UNIVERSITY
RANKINGS 2024

#54 IN THE WORLD

TIMES HIGHER
EDUCATION
(THE) WORLD
UNIVERSITY
RANKINGS 2024

#37 IN THE WORLD

US NEWS AND
WORLD REPORT
2022-23

#62 IN THE WORLD

TIMES HIGHER
EDUCATION
(THE) WORLD
REPUTATION
RANKINGS 2022

#21 IN THE WORLD

TIMES HIGHER
EDUCATION
IMPACT
RANKINGS 2023

#77 IN THE WORLD

SHANGHAI
RANKING'S
ACADEMIC
RANKING OF WORLD
UNIVERSITIES 2023

#2 IN THE WORLD

#1 IN AUSTRALIA
PHARMACY AND
PHARMACOLOGY
QS WORLD
RANKINGS BY
SUBJECT 2022

STAFF, STUDENTS AND

470,000+

ALUMNI
REPRESENTING,
STUDYING AND
WORKING IN
170+ COUNTRIES
AROUND THE WORLD



At Monash, we pioneer **research** that **changes the world**

Monash has over 5000 graduate research students in an expansive range of fields across our 10 faculties and 116 research institutes and centres.

Our groundbreaking research discoveries have been changing lives for six decades:

- > Establishing Australia's first Indigenous research and studies centre in 1964
- > The world's first 'test tube' baby through IVF technology in 1973
- > Developing the first scientifically proven treatment of irritable bowel syndrome, the low FODMAP diet in 2005
- > Designing and developing Australia's first mRNA clinical candidate, and partnering with IDT Australia to successfully manufacture a second generation COVID-19 mRNA vaccine for a Phase 1 clinical trial conducted by the Doherty Institute
- > The renowned World Mosquito Program, a safe and effective method of eradicating mosquito-borne diseases
- > Partnering with UN Women to examine the gender dynamics of violent extremism and terrorism.

Discover more of our research online at monash.edu/research

We invest more than \$1.4 billion each year in research, in partnership with government, philanthropy and industry to deliver high-impact initiatives, such as:

- > Our world-leading 2030 Net Zero initiative, including innovating reliable, affordable and clean energy (RACE) for consumers and businesses
- > Securing Antarctica's Environmental Future, identifying urgent conservation priorities at a time of rapid environmental change
- > Artificial Heart Frontiers, Heart Labs, and the Australian Heart & Stroke Accelerator, transforming cardiovascular research and device technology
- > The development, testing and manufacture of Australia's first COVID-19 mRNA vaccine and a groundbreaking COVID-19 nasal spray
- > An Australian-first research lab to explore ethical AI for safety and law enforcement, in partnership with the AFP
- > Providing Victorian educators with purpose-built resources to help them tackle disruptive student behaviour, in partnership with the Victorian Department of Education.

At Monash, we are driven to make **an impact for communities locally, nationally and internationally** on the most pressing challenges facing our world

Climate change

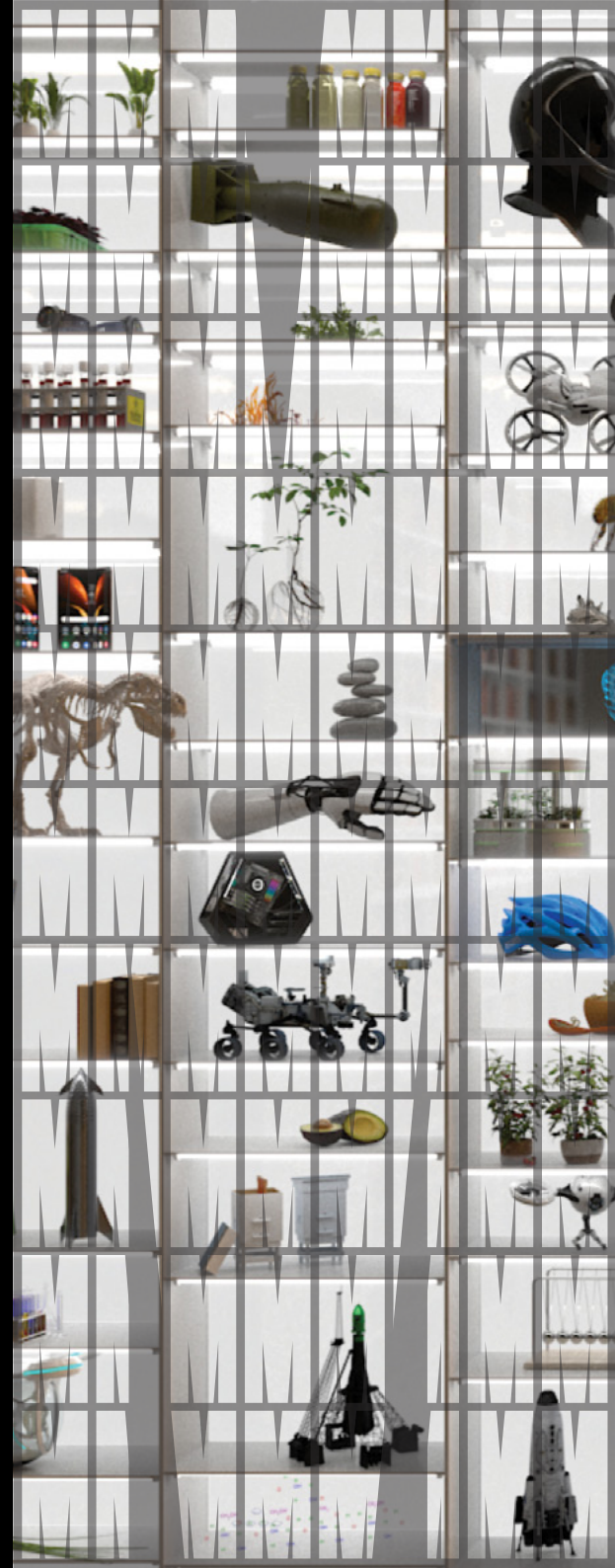
We are leading action on net zero emissions, delivering clean water and sanitation for vulnerable communities in the Asia-Pacific region, improving climate literacy, and securing Antarctica's future.

Geopolitical security

By uncovering and activating the pathways to peace and reconciling past wrongdoings, we contribute to the attainment of security and safety on a global scale.

Thriving communities

Our ambition is to support more people, in more places, to thrive. From providing access to justice for thousands of people through our legal clinics, developing life-saving vaccines and mental health treatments, to creating safe and accessible spaces for all within our communities.





Monash University supports and accelerates the businesses, innovation and jobs of Victoria

Our multidisciplinary breadth and expertise creates the perfect conditions to fuel enterprise, innovation and entrepreneurship. We do this through:

Research

As one of the top research-led Universities in the world, we partner to help uncover, define and test new enterprising ideas.

Education

Our renowned, interdisciplinary approach to education extends to developing talent and job-ready graduates, equipping them with the capabilities and competencies for the future of work.

Commercialisation

We make the commercialisation process seamless and effortless, from ideation, conception and validation, through to securing investment and spinouts, growing local jobs and the economy.

Talent pools

Our world-class talent pool of more than 72,500 Monash students undertake paid internships and work integrated learning, producing informed and dynamic graduates.

In 2022, Monash:

GENERATED
\$5.74B
WORTH OF
ECONOMIC
ACTIVITY FOR
AUSTRALIA

CREATED
\$2.27B
EXPORT INCOME
THROUGH
EDUCATION

CONTRIBUTED
\$1.39B
TO THE
NATIONAL GDP

CONTRIBUTED
\$672M
IN ECONOMIC ACTIVITY
VIA RESEARCH
EXPENDITURE

INVESTED
\$245M
IN CAPITAL
EXPENDITURE

CONTRIBUTED
\$78.8M
TO VICTORIAN
GOVERNMENT
REVENUE

HOME OF THE
LARGEST
INDUSTRY-ACADEMIA
PARTNERSHIP IN AUSTRALIA WITH WOODSIDE

SUPPORTED
171
STARTUP
FOUNDERS
THROUGH THE
GENERATOR
IN 2023



The Monash Technology Precinct is **an epicentre of inspired innovation, excellence in research and bold discovery**

Home to Australia's most significant and unique research and technology platforms, the Monash Technology Precinct is one of Australia's most dynamic innovation precincts, combining high quality public transport with world-class innovation partners and enterprise across future technologies, manufacturing, health, sustainable development and education.

A driving force behind Victoria's innovation, the precinct will help build our state's future.

- > Contributing over \$11.5 billion to the Victorian economy in 2022
- > Powered by world-leading Monash University, research giants CSIRO, the Australian Synchrotron and the Melbourne Centre for Nanofabrication
- > Home to over 20,000 businesses and almost 115,000 employees
- > 40+ Monash Research Technology Platforms open to industry within a 2.5 kilometre radius
- > Frontdoor to 40% of Victoria's high value and advanced manufacturing in Melbourne's southeast.

From start-ups to catalytic infrastructure and large-scale industry partnerships – the Monash Technology Precinct is attracting the **brightest minds to propel the discoveries of the future**

Jupiter Ionics is a Monash **spinout leading a new green ammonia industry**

Inspired by a vision for a future economy powered by carbon neutral ammonia, new start-up Jupiter Ionics Pty Ltd is one of the latest enterprises to emerge from Monash University's Technology Precinct. After Monash University students discovered and commercialised a more environmentally friendly way to produce ammonia, the resulting spinout successfully secured an exclusive licence to develop the patented technology. The spinout secured a seed round of \$3 million in funding to support the commercially scaleable development of this world-leading electrochemical technology.

Moderna is building the first mRNA production facility in the Southern Hemisphere

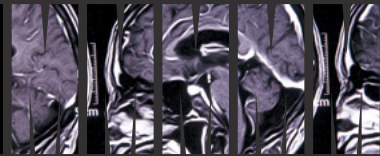
The new facility will secure the production of mRNA vaccines on Australian shores. This will ensure our country is at the forefront of pandemic response and preparedness, and will also be the world's first mRNA production facility to be located on a university campus. Monash is also partnering with the Victorian Government to establish the Monash Centre for Advanced mRNA Medicines Manufacturing and Workforce Training. The combination of sovereign manufacturing, research and training will build an mRNA innovation ecosystem that will deliver long-term health and economic benefits for the Australian community, and more broadly, the Indo-Pacific region.

The Victorian Heart Hospital is Australia's first dedicated heart hospital

In partnership with Monash Health and housing the Victorian Heart Institute, the VHH will integrate clinical cardiology services, research and education to create a centre of excellence, raising the profile of cardiovascular research, treatment and training. Heart disease is the leading cause of death in Australia. The VHH aims to change that statistic, by bringing research breakthroughs straight to patients and giving Monash students the chance to take their learning from the classroom to the bedside.



MONASH
University



Contact

Ben Vivekanandan
Senior Director, Precincts and Government
Office of the Deputy Vice-Chancellor (Enterprise)
Monash University
t +61 3 9905 5245
e ben.vivekanandan@monash.edu
monash.edu/enterprise

