



Briefing for Incoming Minister



Nov 2023



ABOUT THIS BRIEFING

NZTech believes there are specific areas the Government should focus on to enable and grow Aotearoa. While not an exclusive list, these actions are aligned with the work we have supported as an industry for the past several years through the Digital Tech ITP, Agritech ITP and other initiatives.

This briefing also includes background on the NZTech Group and the many collaborations underway with multiple Government agencies.






NZTech

Who are we?

Our mission is to help create a safer, more equitable, sustainable and prosperous Aotearoa New Zealand underpinned by good tech.



NZTech runs the New Zealand Tech Alliance, bringing the leading tech associations in New Zealand together in a collective impact framework.



NZTech is the producer of Techweek, the annual nationwide festival of tech and innovation.



NZTech is industry partner and a guardian of the New Zealand Tech Story, an international marketing initiative to raise the global profile of New Zealand tech.



NZTech is administrator of The Aotearoa New Zealand Industry Code of Practice for Online Safety and Harms bringing tech platforms together to help create a safer New Zealand.



NZTech

NZTech is a not-for-profit, non-governmental organisation made up of several tech communities that help members work together effectively, making connections, sharing insights, collaborating and enhancing New Zealand's ability to benefit from technology.

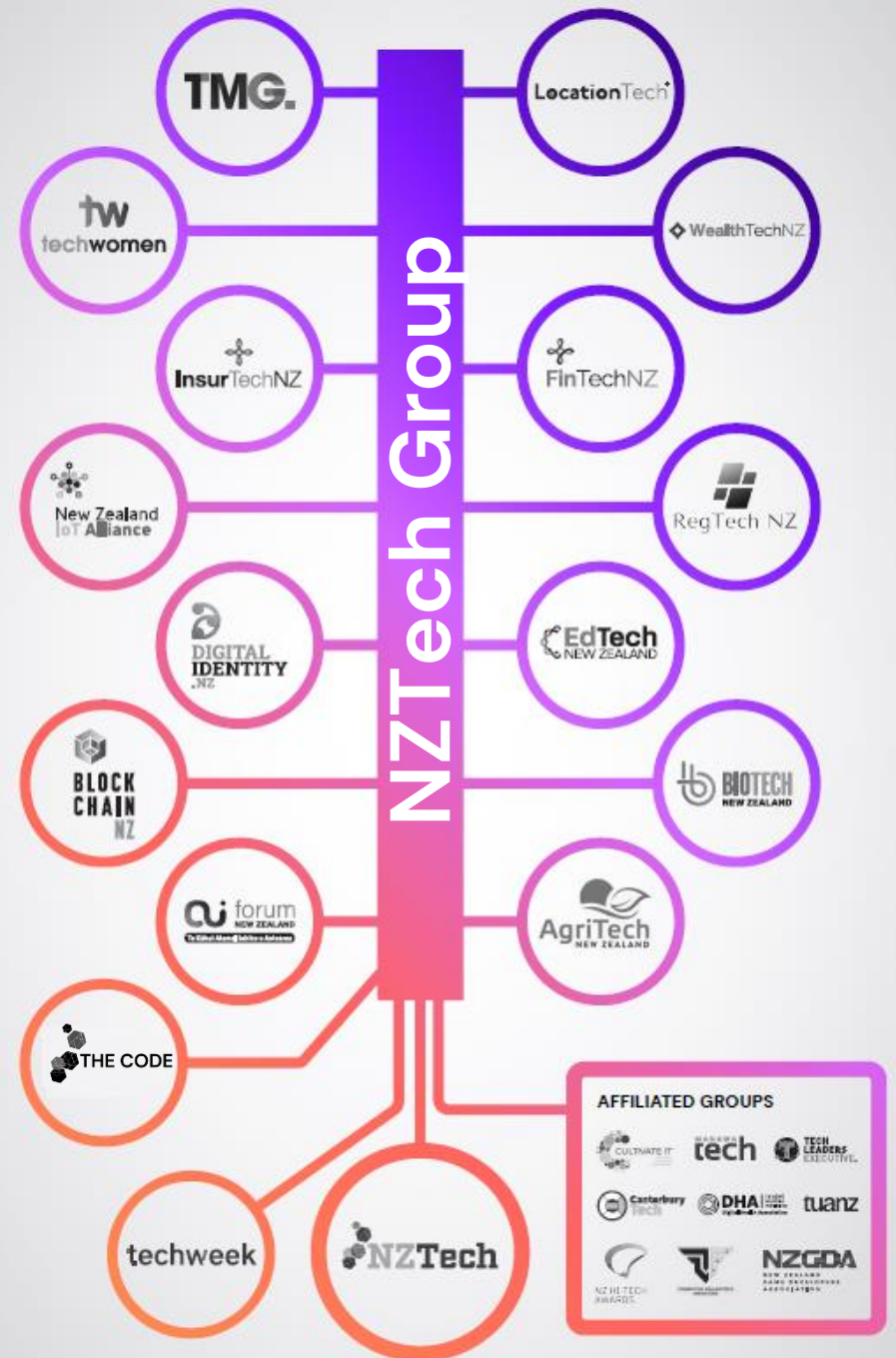
The core of our national Tech Alliance is the NZTech Group – the 15 associations plus key initiatives that operate within NZTech.

2,000+ members

100,000+ employees

10% of the New Zealand workforce

1000's of member connections every year



New Zealand's tech sector is growing, creating jobs, valuable exports and great tech for New Zealand.

New Zealand's Tech Sector had

23,433

firms in 2022



Statistic NZ 2023

New Zealand's Tech Sector contributed

\$20b

to GDP in 2022

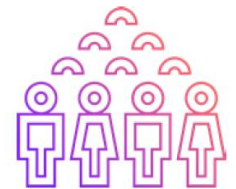


Statistic NZ 2023

New Zealand's tech sector employed

118,070

people in 2022



Statistic NZ 2023

New Zealand exported

\$9.8b

worth of tech goods and services 2022



Statistic NZ 2023

New Zealand's tech sector created

6,880

new jobs in NZ in 2022



Statistic NZ 2023



SEE TOMORROW FIRST

Tech was New Zealand's

2nd

largest export after Dairy and ahead of Meat in 2022



Statistic NZ 2023

New Zealand's top 200 tech exporters

10.9%

globally in 2022



TIN Report, 2022

Software exports have been growing

24%

CAGR annually for over a decade



Statistic NZ 2023



Each new tech sector job creates

4.8

other new jobs



Digital Nation Report, 2016

Each 4% growth in tech sector productivity creates

\$2.7b

additional GDP



Digital Nation Report, 2016

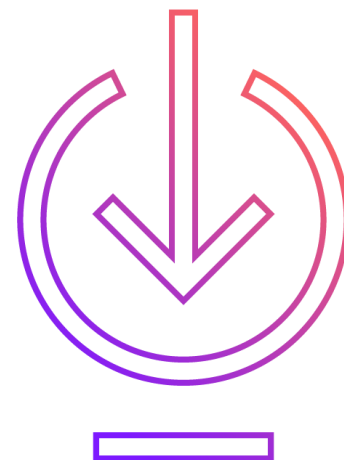
Thank you for your support

- NZTech welcomes the Government's commitments to the technology sector, including the creation of a Minister of Technology to champion the sector. This has significant potential to work with the tech sector to create the right policy and regulatory environment for the sector to innovate and grow.
- To support digital transformation in government, we recommend a focus on increasing the government's adoption of technologies which improve government's delivery of services.
- NZTech recommends the Government retains the underlying model that has enabled the Digital Tech and AgriTech Industry Transformation Plans. This model has supported industry led and government supported activity that has improved collaboration and alignment across the tech sector. There is an opportunity to rebrand this model to have a higher focus on sector growth and more targeted activities.



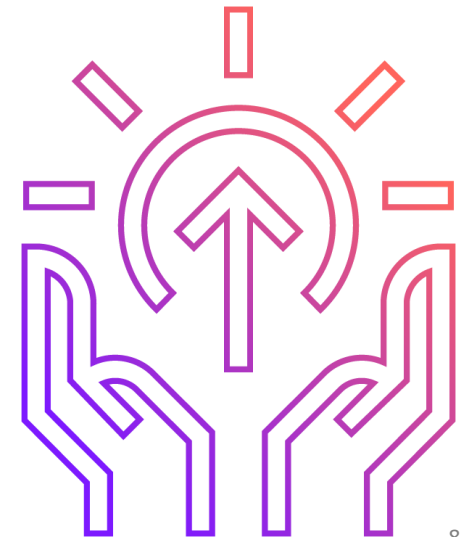
Critical Tech

- **Artificial Intelligence**
 - Actively contribute to international AI policy, bringing a neutral, trusted voice like we do in other domains like trade.
 - Domestically ensure our regulatory approach aligns as much as possible with leading jurisdictions.
 - Look to the opportunities that AI can bring to improve productivity, health, education and emissions reduction.
 - Establish a national AI strategy to help align efforts efficiently.
- **Digital Identity**
 - Appropriately fund the establishment of the Digital Identity Services Trust Framework.
 - Ensure close public private collaboration on its successful introduction and adoption in New Zealand.



Education

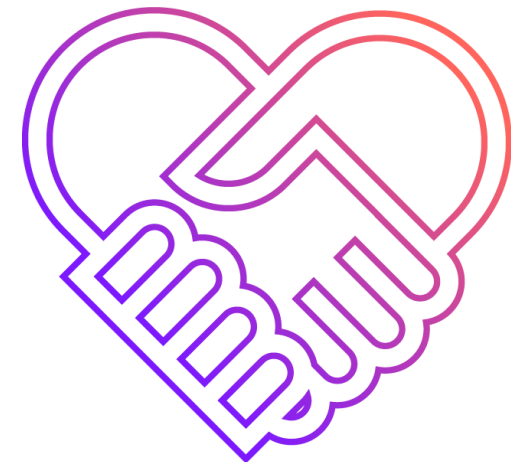
- Increase investment in upskilling teachers so they equip students with digital literacy skills.
- Actively encourage students of all ages into digital technology subjects and career pathways.
- Develop a national Digital Skills Strategy to coordinate public and private sector initiatives to lift digital skills.
- Support and invest in the introduction of digital apprenticeship programmes, and microcredentials, to build new career pathways.
- Ensure all students have access to digital equipment at school and at home.
- Lift the public service's digital skills to effectively advise on digital technology policy and regulations.





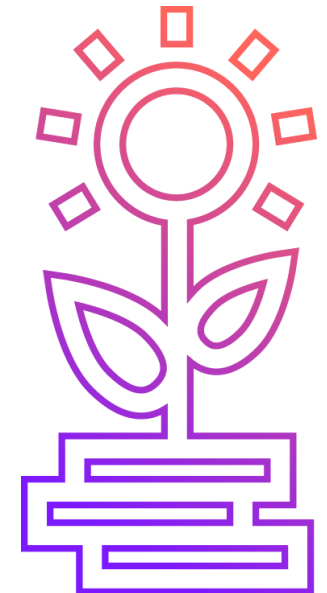
Digital Inclusion

- Provide affordable internet access to the unserved and underserved New Zealanders, including through additional internet delivery systems such as low earth orbiting satellites, and public housing high speed connectivity.
- Ensure all New Zealanders have access to affordable and safe devices that improve access to the internet for those that want it but face barriers in doing so.
- Support the development of accessible content including for those with disabilities.
- Leverage artificial intelligence (AI) in ways that balance both the risks and benefits to all New Zealanders with due consideration to increased productivity, privacy protections and responsible development of AI.



Sustainability

- Develop a climate technology roadmap for New Zealand's Emissions Reduction Plan which outlines concrete steps the tech sector can play in helping New Zealand reach its carbon reduction targets.
- Enable biotechnology investment through modifying New Zealand's genetic modification laws.
- Invest in supporting uptake of agritech solutions to support emissions reduction in the agriculture sector.
- Utilise artificial intelligence to transform how New Zealand delivers on its climate and environmental objectives.
- Raise the profile of how the tech sector is producing reporting tools which reduce risk of greenwashing in Climate-Related Disclosures.



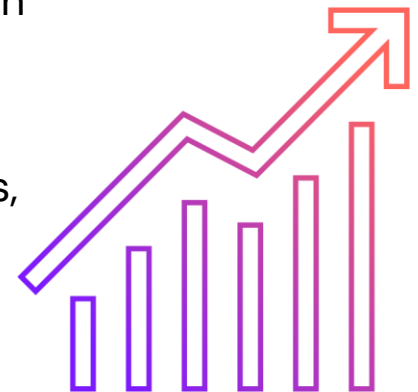
Digital Safety

- Increase investment in critical cyber security infrastructure and education for New Zealand businesses and the public.
- Create a clear regulatory regime for emerging technologies, such as blockchain, AI and digital identity, that protects New Zealanders' privacy and safety.
- Ensure alignment with international best practice for online safety, privacy and security policies.
- Endorse the Industry Code of Practice for Online Safety to make the internet safer.
- Ensure any future content regulation framework protects fundamental rights including freedom of expression and privacy, as well as promoting a safe online ecosystem.
- Promote multistakeholder collaboration to create safer online spaces for Tamariki and rangatahi.
- Increase education and investment to help counter online fraud and cybercrime.



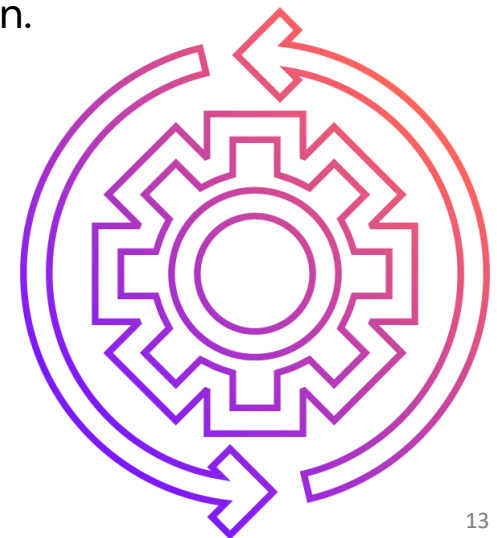
Growing exports

- Support companies to successfully export their digital and hi-tech services and solutions to the world.
- Building an impactful international brand and changing perceptions takes years. We recommend sustained investment in See Tomorrow First to continue to increase awareness of NZ technology with international buyers, investors, and tech workers — helping to grow tech exports, encouraging offshore tech investment and attracting tech talent.
- Support internationally competitive sectors such as gaming, agritech, healthtech and fintech, through investment and incentives.
- Create a clear regulatory regime for emerging technologies that enables innovation. This includes, for example, industry-led standards which supports compliance aims.
- Turn New Zealand into a hub of innovation to help lift tech sector exports.



Lifting productivity

- Support the use of digital technology to transform the economy, lift the performance of New Zealand industries and create high-value jobs.
- Ensure companies have access to the best talent in the world. This includes both growing talent in New Zealand and having the right immigration settings in place to attract talent overseas.
- Ensure government decisions are underpinned by sound and meaningful data.
- Provide clear regulatory guidelines, data definitions and standards to enable industry participation.
- Continue to support and invest in programmes and incentives that encourage digital uptake.
- Improve Government procurement bureaucracy and streamline processes.
- Continue investing in the science and research community.





What we do

Whakapiki Promote

NZTech has initiated and supports a number of significant initiatives to help promote the importance of New Zealand tech to the public, to the media, to government and great New Zealand tech to the world.

400+ Techweek events | 2 Tech Stories

60,000+ attendees | 7.8m impressions

14 member newsletters | 50,000+ followers

1000+ students | 200+ teachers engaged



techweek

Nationwide festival of tech and innovation events plus online TechweekTV content to inspire the next generation into tech and showcase New Zealand's best tech.



See Tomorrow First is the unifying brand story for New Zealand's tech sector. Raising Aotearoa's global tech profile by presenting a compelling, consistent message to the world.



Providing young girls, years 9-11 and teachers with the opportunity to shadow a tech woman to experience a day in their life. Extended to include mentoring.



An expo of tech to spark inspiration for year 11-13 ākonga (learners). Showcasing tech innovation and creativity. Encouraging students toward tech learning pathways.





What we do

Whakapiki Promote

The NZTech Group conferences provide platforms for **CONNECTING** communities, **PROMOTING** great technologies and **ADVANCING** policy and collaboration.

8 Conferences | 100's of speakers

1000's of attendees | Tech showcases

Workshops | Hackathons | Roundtables



**Aotearoa AI
Summit**

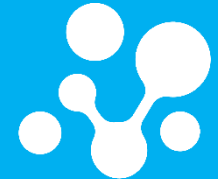
Atamai Iahiko
Artificial Intelligence



**DIGITAL TRUST
HUI TAUMATA**



FinTechNZ
HUI TAUMATA 2023



**LIFE SCIENCES
Summit**

TMG.

New Zealand
Tech Marketers
Conference



**NZ CYBER
SECURITY
SUMMIT**

Securing our digital future



**CYBER SECURITY
RISK CONFERENCE**

AgriTech
NEW ZEALAND

[Coming Soon]



What we do

Kōkiri Advance

NZTech and its members are working across multiple fields to help advance the foundations for a more equitable, sustainable and prosperous Aotearoa New Zealand underpinned by good tech.

1 Industry Code | 8 Conferences

2 Industry Transformation Plans

22 submissions | Minister Briefings

Research reports



SKILLS

Working to help improve the tech skills and education pathways for all Kiwi's into highly paid future careers.



SUSTAINABILITY

Working to ensure the New Zealand tech ecosystem plays a positive role in creating a sustainable environment.



INCLUSION

Working to create a more inclusive tech ecosystem to attract and retain a more diverse workforce.



SAFETY

Working to create a digitally safer New Zealand through collaborations like the Industry Code of Practice for Online Safety and Harms.





What we do

Kōkiri Advance

NZTech and it's members are also working to help advance the growth of tech to help create a more equitable, sustainable and prosperous Aotearoa New Zealand.

1 Digital Adoption Benchmark

12 Immigration Green List Roles

10.8% export growth | 7.5% job growth

14.3% R&D growth | 48% investment growth



DIGITAL UPTAKE

Working to help increase digital uptake across the New Zealand economy.



EXPORTS

Working to help grow tech and digital exports from Aotearoa New Zealand.

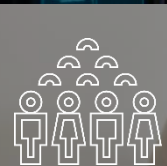


INVESTMENT

Working to ensure growing R&D and investment in tech across New Zealand.

Connect investors (funders) and the tech sector

7 days / 100+ events / 10000+ guests












JOBS

Working to help create more high paid high value tech jobs for Kiwis.



Some of our Work

MISSION									
Safer	<ul style="list-style-type: none"> -The Code of Online Safety -Cyber Sec Summit 	<ul style="list-style-type: none"> -Agri Data working group 	<ul style="list-style-type: none"> -AI Strategy -AI Govern. working grp -Explainable AI working grp 		<ul style="list-style-type: none"> -Ledger of Things 	<ul style="list-style-type: none"> -Digital Identity Services Trust Framework working group 	<ul style="list-style-type: none"> -Edtech Code 	<ul style="list-style-type: none"> -CyberCrime 	<ul style="list-style-type: none"> -Ledger of Things
Equitable	<ul style="list-style-type: none"> -ShadowTech -Sisters in Tech -Tech23 -Digital Skills Report 		<ul style="list-style-type: none"> -AI & Creativity working group -Māori Artificial Intelligence Advisory Panel 		<ul style="list-style-type: none"> -Blockchain laws working group 	<ul style="list-style-type: none"> -Te kāhui te tiriti o Digital Identity -Inclusive & equitable use of digital identity 	<ul style="list-style-type: none"> -Aotearoa edtech ecosystem research 	<ul style="list-style-type: none"> -Open finance & digital equity research 	<ul style="list-style-type: none"> -IoT spectrum
Sustainable	<ul style="list-style-type: none"> -Climate Tech Framework -ESG report 	<ul style="list-style-type: none"> -Climate tech & agritech 	<ul style="list-style-type: none"> -AI & the Environment research -AI Enviro Hackathon 	<ul style="list-style-type: none"> -Biotech & sustainable future research -Genomic Regs working group 				<ul style="list-style-type: none"> -Sustainable Fintech working group 	<ul style="list-style-type: none"> -Cities working group
Prosperous	<ul style="list-style-type: none"> -Digital ITP -Tech Story (See Tomorrow First) -Techweek 	<ul style="list-style-type: none"> -Digital Adoption -Agritech Story -Opportunities Hub 	<ul style="list-style-type: none"> -AI Strategy -AI Adoption -AI Master Classes 	<ul style="list-style-type: none"> -Biotech delegation -Life Sciences Summit -Biotech Findr 	<ul style="list-style-type: none"> -Unbanking working grp. -Web3 -Blockchain Master Class -AML/CFT std 	<ul style="list-style-type: none"> -Biometrics code working group -Digital Trust Summit 	<ul style="list-style-type: none"> -Edtech for export -Edtech innovtaion plan -Edtech Findr 	<ul style="list-style-type: none"> -Fintech Findr -RegTech -WealthTech -Fintech Hui 	<ul style="list-style-type: none"> -LocationTech -IoT Sector report

Examples of Our Work with Govt



**MINISTRY OF BUSINESS,
INNOVATION & EMPLOYMENT**
HIKINA WHAKATUTUKI

- Digital Tech ITP
- Agritech ITP
- Digital skills pathways
- Standards
- Intn. Tech Story (See Tomorrow First)
- Domestic Tech Story
- Climate Tech Framework
- Game Dev Sector
- Agri Opportunities Hub
- Immigration
- Emissions Reduction / Climate Tech
- Climate Disclosures / Sust. FinTech
- Biotech & genomics

CallaghanInnovation
New Zealand's Innovation Agency

- R&D Tax Incentive engagement
- Research grants sector engagement
- Web3 briefing paper & community
- Blockchain unbanking project



**NEW ZEALAND
FOREIGN AFFAIRS & TRADE**
Manatū Aorere

- Briefing Ambassadors & off-shore staff on Tech Sector
- In market activities such Ireland, UK, Taiwan, Singapore, Hong Kong, Japan.
- Engaging sector with in-bound delegations

MINISTRY OF EDUCATION
TE TĀHUHU O TE MĀTAURANGA

- Digital skills pathways
- ShadowTech (girls spend day with Tech Woman)
- Tech23 (students visit tech firms)
- Domestic Tech Story



**DEPARTMENT OF THE
PRIME MINISTER AND CABINET**
TE TARI O TE PIRIMIA ME TE KOMITI MATUA

- Cyber security
- Online safety

Ministry for Primary Industries
Manatū Ahu Matua



- Agridata Interoperability
- Agritech ITP
- Biotech & sustainability



**MINISTRY OF SOCIAL
DEVELOPMENT**
TE MANATŪ WHAKAHIATO ORA

- Sisters in Tech (young women off unemployment into tech pathways)
- Rise programme in Hamilton, pathways into tech roles.



Ministry for the
Environment
Manatū Mō Te Taiao

- AI for the Environment
- Climate Tech Framework



**NEW ZEALAND
TRADE & ENTERPRISE**

- Tech Story (See Tomorrow First)
- KiwiSAAS community
- In market activities such as Ireland, UK, Taiwan, Singapore, Hong Kong, Japan
- Techweek

Stats **NZ**
Tatauranga Aotearoa

- Data Innovation
- AI Strategy
- Algorithms Charter
- Tech Sector annual data

**THINK
NEW** **NEW ZEALAND
EDUCATION**
Manatū ki te Ao

- EdTech for Export
- EdTech Innovation Plan
- EdTech ecosystem map



**Te Tari Taiwhenua
Internal Affairs**

- Digital Identity Trust Framework
- Digital Strategy
- Digital inclusion
- Online safety

We look forward to working with you to boost the tech sector and help create a safer, more equitable, sustainable and prosperous Aotearoa New Zealand.

We request a meeting with you to discuss how NZTech can support you by providing an industry perspective during the Government's policy development. We can bring chief executives and executive directors from our associations and members to support discussions as needed.

If you have any further queries do not hesitate to contact us.

