NZTech

ANNUAL REPORT
2021

Connect	Promote	Advance
Whakapiri	Whakapiki	Kōkiri

Our purpose is to help create a socially and economically prosperous New Zealand, underpinned by technology. We CONNECT, PROMOTE and ADVANCE to help tech ecosystems grow.

NZTech is a not-for-profit, non-governmental (NGO), membership funded organisation. We represent 20 tech communities and over 1000 organisations across the New Zealand technology landscape who collectively employ more than 10 percent of the workforce.

Technology is critical for the future prosperity of New Zealand and is the fastest growing segment of our economy generating eight percent of our GDP and nine percent of our exports.

Our members are startups, local tech firms, multinationals, education providers, financial institutions, major corporations, network providers, hi-tech manufacturers and Government agencies that work closely with the tech ecosystem.

Our goal is to stimulate an environment where technology provides important productivity and economic benefits for New Zealand.

About NZTech

Contents

Our Purpose

Our purpose is to help create a socially and economically prosperous New Zealand, underpinned by technology.

We do this by **CONNECTING**, **PROMOTING** and **ADVANCING** New Zealand tech ecosystems, organisations and people.

Connect

Whakapiri

We connect tech ecosystems, organisations, people and policy makers with each other and to the world.

Promote

Whakapiki

We promote the importance of technology to the New Zealand public, and New Zealand technology to the world.

Advance

Kōkiri

We help advance the foundations for a successful digital nation including Government understanding of tech, digital education, connectivity, cyber-security, digital access and trade.

The Tech Sector

New Zealand's
Tech Sector has
2020

23,229

companies

Source: Statistics NZ, 2021

New Zealand's
Tech Sector has
2020

111,760

employees

Source: Statistics NZ, 2021

New Zealand's
tech sector
exported
2020

$8.6b

globally

Source: Statistics NZ, 2021
(Some 2020 ICT exports estimated based on CAGRs)

New Zealand's
Tech Sector
contributes
2020

8%

to GDP

Source: Digital Nation Report, 2016

New Zealand's
tech sector
employs
2020

5.0%

of the New Zealand
workforce

Source: Statistics NZ, 2021

New Zealand's
top 200 tech
exporters had
2020

$12.7b

global revenues

Source: TIN Report, 2020

New Zealand's
ICT sector
revenues grew
2020

11.4%

Source: TIN Report, 2020

New Zealand's
Tech Sector median
base salary
2020

$95,000

per annum

Source: Absolute IT Survey, 2020

New Zealand's top
200 tech exporters
overseas sales grew
2020

8.0%

Source: TIN Report, 2020

Each 4% growth
in Tech Sector
productivity creates
2020

$2.7b

additional GDP

Source: Digital Nation Report, 2016

Each new
Tech Sector
job creates
2020

5

new jobs in other sectors.

Source: Digital Nation Report, 2016

New Zealand's hi-
tech manufacturing
exports grew
2020

6.0%

year on year

Source: Statistics NZ, 2021

Chair's Report

Mitchell Pham

NZTech Chair

NZTech

Kia ora tātou,

During the past 12 months, the COVID-19 pandemic has continued to disrupt society and held back the economy in many areas where businesses and industries are still struggling to recover.

At the same time, our 'new normal' presents many opportunities to further accelerate digital transformation, innovation, new business models and the use of data.

The New Zealand Government has prioritised wellbeing and is also aware that market pressures for businesses to 'go digital' have seen sharp growth in e-commerce and digital marketplaces. While our supply chain and logistics ecosystem needs to mature faster to support our competitiveness, we need more digitisation to engage with the rest of the world's rapidly digitised economies. All of these dynamics rely on the use of tech and digital.

Our tech sector has a critical role to play in accelerating the mass digital transformation that began last year. The tech industry can also boost growth and expansion by benefiting from new investment capital and investors.

Meanwhile, working from home is now entrenched as part of our new normal, with many organisations not returning to offices and adopting permanent hybrid models. With borders remaining closed, New Zealand's tech talent shortage has been pushed to critical levels, due to our heavy reliance on immigration. It is essential that both Government and industry invest in developing our digital workforce for the medium-to-long term, while businesses explore short-to-medium term options to engage remotely with offshore tech talent.

Closed borders also means it is difficult for Kiwi businesses to be regularly present on the ground in international markets. This is where 'NZ Inc.' organisations such as New Zealand Trade & Enterprise, Ministry of Foreign Affairs & Trade, KEA Global and others play an even more important role in connecting our companies with offshore customers and partners.

Thankfully, due to New Zealand's pandemic response, Techweek 2021 was able to host both physical and virtual events. This year's annual tech industry festival was one of our best to date, with 374 events, 532 speakers and over 27,000 attendees. Plus, Techweek TV hosted 147 guests during 65 sessions and recorded 33.5 hours of content, now available to view on-demand. Combined with the largest New Zealand Hi-Tech Awards event, this is an exciting sign of industry growth as well as the number of stand out Kiwi companies.

NZTech and our Tech Alliance were recognised as the winner in the 'Best Contribution to the NZ Tech Sector' category at the Awards. This recognition is unique because we are not just one company, but a community of hundreds of passionate people and committed organisations. Together, we connect, promote and advance our technology innovation ecosystem.

Our NZTech board continues to maintain a focus on improving the New Zealand tech ecosystem's diversity and inclusion. The Diversity and Inclusion sub-board has developed a diversity survey to help tech firms improve their own diversity. This survey has been tested across the NZTech Alliance

associations to improve internal awareness and inclusion activities. It is being tested for use by New Zealand tech firms to use as a tool.

With external guidance and support, the NZTech board has also started the process of integrating Te Tiriti o Waitangi (Treaty of Waitangi) into our constitution to better support the participation of Māori in New Zealand's tech and digital future. For the first time, we also have on our board representation from Pacific Island communities, alongside another board member from Canterbury who represents the South Island. Additionally, we have accepted a new intern as part of our board internship programme.

This year, NZTech continues to collaborate with the Government to advance our industry and help facilitate New Zealand as a digital nation. These activities include the Tech21 summit, the Tech Story programme, the Digital Technologies Industry Transformation Plan (ITP), the Agritech ITP, Digital Identity, R&D tax incentives and more.

"Last year's pandemic saw global digital transformation accelerate overnight."

Last year's pandemic saw global digital transformation accelerate overnight. However, it also exacerbated the digital divide. The Government has established a Digital Economy and Communications portfolio and assigned a minister to lead the development of the new Digital Strategy for Aotearoa. This further highlights the importance of inclusion alongside trust and growth. It is also part of a global impact conversation regarding economic recovery, trust, inclusion, equity, sustainability, United Nations Sustainable Development Goals (SDG), and environment, social and governance (ESG) goals. Collectively, these are fast becoming mainstream drivers for business, industry, community and government activities.

Initiatives like these, all rely on the power of innovation and combination of data and digital technologies.

This is truly an opportunity for our tech sector to continue to be a key enabler, growing in both engagement and impact, across both the economy and society. With the Tech Alliance's collective power, I am excited about the real change we can make together.

Please help us make a difference and consider serving on our boards, sub-boards, executive councils, working groups, advisory panels, project teams and more. Your contribution can help enable and accelerate New Zealand to be #goodfortheworld.

CEO's Report

Graeme Muller

NZTech CEO

Over the last year, even under the pressure of COVID-19 lockdowns and border closures, the New Zealand tech ecosystem continued to grow and deliver positive impacts for our economy and society.

New Zealand's tech sector has been delivering strong year-on-year growth, and this has largely been unconstrained by natural resource limits or economic downturns. As well as annual growth in weightless exports and job creation, the sector has been enabling the digital transformation of most other parts of the economy.

This growing importance of digital technologies for New Zealand has been recognised by the Government who have begun working with NZTech and others on the development of a national Digital Strategy. This framework will enable the planning and coordination of New Zealand's response to a digital future covering trust (mahi tika), inclusion (mahi tahi) and growth (mahi ake).

At the core of the strategy is the Digital Technologies Industry Transformation Plan (ITP). The sector plan is the tool being used by the Government for focused economic development and growth. During the past year, NZTech has led a process of extensive engagement and collaboration between Government and the technology community to help develop a vision for the digital sector's growth. This includes a series of workstreams covering skills, Government procurement, data, export growth, Māori tech success, artificial intelligence and telling our Tech Story.

In addition to this work, the NZTech Group has undertaken multiple events, conferences, research programmes, roundtable discussions, Minister briefings, submissions and working groups to provide opportunities for our members to **CONNECT** and collaborate, opportunities to **PROMOTE** great New Zealand tech stories, and opportunities to help **ADVANCE** through improved policy and investment.

Publications

ECONOMIC IMPACT STUDIES

NZTech – Digital Skills For Our Digital Future

BioTechNZ – Innovating for a Sustainable Future

AgriTechNZ – Aotearoa Agritech Unleashed

FinTechNZ – Open Finance and Digital Equity (in production)

AgriTechNZ – Digital Adoption in the Primary Sector (in production)

EdTechNZ – Education and Technology Aotearoa (in production)

IoT Alliance – Technology and the Future of Water (in scoping)

SURVEYS

Critical Workers Border Exemption Survey

Software Tax Methods Survey

New Zealand Tech and Innovation Story Survey

Impact of COVID-19 on the Tech Sector Survey

Understanding Digital Identity in New Zealand Survey

BRIEFING PAPERS

Digital Technologies ITP Progress Report

Digital Technologies ITP Skills Workstream Recommendations Report

Tech Manifesto

Briefings for Incoming Ministers

Securing New Zealand Against Cyber Attack

How Government and industry can accelerate digital advancement in regional New Zealand

EdTech Innovation Plan

Fintech future: Trade Opportunities for New Zealand and the United Kingdom

Anti-Money Laundering Reliance and Digital Identity Opportunities

How Government, Regulators and Industry can accelerate the Fintech opportunity

Key Opinion Leaders in New Zealand Life Sciences

Annual Tech Sector Metrics Updates

Events

200+ member
Connect events and webinars

Techweek2021 featuring 300+ events and 60+ Techweek TV programmes

Cyber Security Summit

Digital Identity Hui

Medical Cannabis Summit

Tech Marketing Conference

Fintech Hui

Zoom sessions with Ministers, regulators and policy makers

Delegations

NZTech and AgriTechNZ – attended Government's virtual delegation to Japan.

Work Programmes

ShadowTech – encouraging secondary school girls into tech roles by spending a day with a Tech Woman.

ShadowTech Teachers – introducing secondary school teachers to tech roles through spending a day in a tech firm.

Tech22 – inspiring ākonga (learners) into technology careers at this interactive event.

Agritech Industry Transformation Plan – driving collaboration between industry and the Government around 6 workstreams such as data, skills, export growth and an agritech story.

Digital Tech ITP – driving collaboration between industry and the Government with seven workstreams: AI Strategy, Data Driven Innovation, Government procurement, Māori Tech Success, New Zealand's Tech Story and Skills Pipeline.

National Artificial Intelligence (AI) Strategy – the AI Forum is driving the development of a national AI Strategy with the Government.

Tikanga in Tech – developing an industry wide approach to Te Titiri and Tikanga.

In the coming year, with a number of significant workstreams in place across the NZTech Group, our team will continue to connect tech people, organisations and communities. We do this passionately, so we can all play a role in creating a more socially and economically prosperous New Zealand. Both Techweek and the Tech Story will continue to promote the importance of technology to New Zealand, and showcase New Zealand tech to the world. Working with our members, we will continue to help drive improvements in the creation of local tech skills, Government procurement of technology, effective use of AI, open finance, trusted digital identity, 5G and more.

Working with the Government

Throughout the year, the NZTech Group has worked extensively with the Government, dealing with the impacts of COVID-19, the introduction of the research and development (R&D) tax incentive, skills shortages and other tech related insights. Highlights have included:

R&D Tax Incentives

When this programme was launched last year, the initial application of the legislation resulted in many software companies undertaking R&D being ineligible. Liaising with members, NZTech arranged for the policy team and assessors to visit companies to see first hand how R&D works in the software world. Subsequently, new eligibility guidelines were released in March 2021, providing new definitions, such as system uncertainty, improving the eligibility of software R&D for the incentive.

Software Tax Settings

When the Inland Revenue decided to review the policy settings and practices relating to the taxation of software development, NZTech helped coordinate insights from, and engagement with the tech ecosystem. NZTech surveyed a broad range of member organisations that engage in software development and coordinated direct interviews with the larger firms. This helped the policy team understand the complexity of different software business models. Following this, the review was put on hold.

Digital Skills

As the New Zealand tech sector continues to grow and the rest of the economy begins to digitally transform, the demand for digital skills has been increasing. Working with the Ministry of Education (MoE) and the Ministry of Business, Innovation and Employment (MBIE), NZTech has undertaken a comprehensive study of the digital skills landscape. This research is being used to design a number of initiatives to help improve the domestic skills pipeline.

Critical Workers Border Settings

COVID-19 has exacerbated the shortage of digital skills by increasing demand for digital solutions and restricting immigration pathways for tech talent. Skills shortages are the number one concern for all NZTech members and there have been major challenges getting any skills via immigration. A membership survey has captured current job availability and experiences with immigration. This information has been provided to several Ministers to demonstrate the wide ranging demand for digital skills with recommendations for changes to immigration assessment criteria.

"Skills shortages are the number one concern for all NZTech members."

Digital and Technology Skills Pipeline

SCHOOL

Get more students excited about digital careers.

Need to increase diversity of those entering (Māori, Pasifika, Girls),

Students from other Professions of Study

No qualifications/students from other areas.

Re-skilling to digital careers

TERTIARY STUDY

Need to ensure relevant to industry. Increase industry engagement (eg. Internships, Apprenticeships etc).

FIRST TWO YEARS

Small-to-Mid sized number of roles, overflowing people to do them.

Immigration

Skills Transfer

Taking people from other areas, especially those displaced due to COVID.

Few re-training opportunities, especially "on the job".

Industry hesitant to hire and develop people.

Education to Employment step.

MID-CAREER

Slow career progression, few retraining options, low incentive.

SENIOR SPECIALISTS

COVID-19 RESTRICTIONS

AREA OF BIGGEST SHORTAGE

Our Board

We are the voice of the New Zealand technology ecosystem and our vision is simple – more prosperity for New Zealand through better use of technology.

Mitchell Pham

**CHAIR OF THE BOARD
APPOINTED MEMBER**

Mitchell is a Director of CodeHQ (previously called Augen Software Group). He is the founding Chair of FinTechNZ and was recognised as a Kea World Class New Zealander in 2019.

Mitchell was elected to the NZTech Board in 2016 and has been the Chair since 2016.

Anand Ranchord

COMMUNITY BOARD MEMBER SEAT

Anand is the Director of fintech startup, Maverick. Anand was appointed as a Community Board Member in 2019.

Belinda Allen

MID-SIZE CORPORATE SEAT

Belinda was the Client and Partnership Director at Orion Health. Belinda was elected to the Board in 2019.

Anthony Watson

MAJOR CORPORATE SEAT

Anthony was the Enterprise Domains Lead (New Zealand) at ANZ Bank. Anthony was elected to the Board in 2019.

David Hook

MAJOR CORPORATE SEAT

David is the Country Leader at IBM. David joined the Board in 2020.

Delphine Ducaruge

SME BUSINESS SEAT

Delphine is the General Manager at Orbica. Delphine was elected to the Board in 2020.

Eva Sherwood

MAJOR CORPORATE SEAT

Eva is a Manager for Deloitte Technology Consulting. She is the Chair of the NZTech Diversity and Inclusion Sub Board. She is also the Chair of TechWomen and was elected to the NZTech Board in 2016.

Nicole Upchurch

MID–SIZE CORPORATE SEAT

Nicole is the General Manager at Centrality. Nicole was elected to the Board in 2019.

Duane Grace

COMMUNITY BOARD MEMBER SEAT

Duane is the CEO of EDU Systems. Duane was appointed as a Community Board Member in 2020.

Jannat Maqbool

COMMUNITY BOARD MEMBER SEAT

Jannat is a Principal Advisor at Ecosystm. Jannat was appointed as a Community Board Member in 2020.

Melissa Baer

BOARD INTERN

Melissa is CEO and Co Founder at Webtools. Melissa joined the Board in 2021.

Elia Chan

COMMUNITY BOARD MEMBER SEAT

Elia is the Founder and Managing Director at MYRIVR. Elia was appointed as a Community Board Member in 2021.

Mahsa Mohaghegh

GOVERNMENT AND EDUCATION SEAT

Mahsa is a Senior Lecturer and Director of Women in Technology at Auckland University of Technology. Mahsa was elected to the Board in 2020.

Simon Martin

NON DIRECTOR – LEGAL COUNSEL

Simon is a partner at Hudson Gavin Martin. He was appointed to the role of Legal Counsel for the Board in 2009.
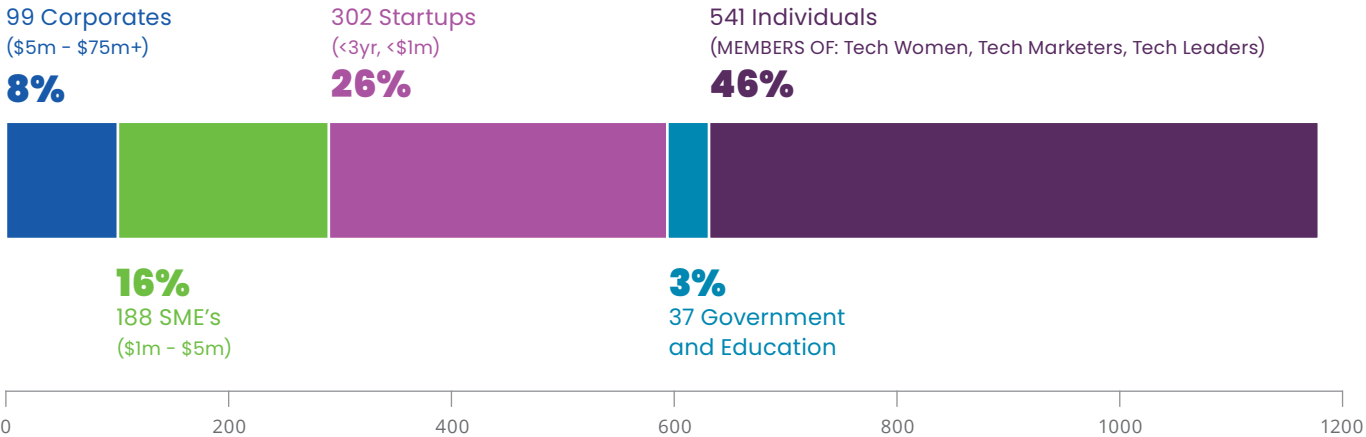
Our Members

Membership

NZTech's member organisations share a purpose - to help create a socially and economically prosperous New Zealand, underpinned by technology. We connect, promote and advance to help tech ecosystems grow.

Our members include a diverse range of startups, local tech firms, multinationals, education providers, financial institutions, major corporations, network providers, hi-tech manufacturers and Government agencies.

NZTech forms the heart of the New Zealand Tech Alliance, including 20 member and affiliated associations. Collectively, the Tech Alliance represents more than 1000 member organisations. The Tech Alliance continues to mature as more associations join and gain the benefits of scale, a sharing economy and additional value for members who can participate in multiple associations.

NZTech Group Members by Type

99 Corporates
($5m – $75m+)
8%

302 Startups
(<3yr, <$1m)
26%

541 Individuals
(MEMBERS OF: Tech Women, Tech Marketers, Tech Leaders)
46%

16%
188 SME's
($1m – $5m)

3%
37 Government
and Education

NZTech Representation
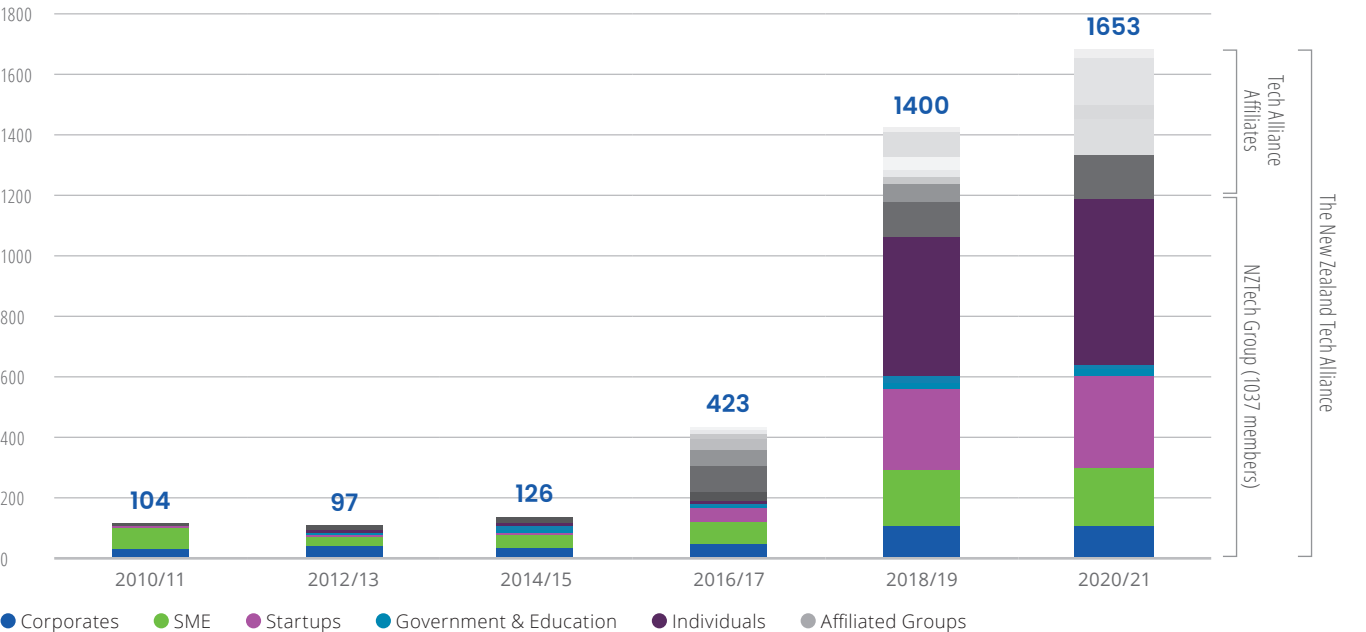
NZTech Strategy

Julie Gill

Chief Strategy Officer

As NZTech's scale continues to grow, so does our ability to undertake larger strategic initiatives. These initiatives support and accelerate our purpose of creating a socially and economically prosperous New Zealand underpinned by technology.

We actively **CONNECT** tech ecosystems, organisations and passionate people with each other to reduce market fragmentation. By developing the Tech Alliance, NZTech has created a coordinated national voice for technology in New Zealand. In the past year, we welcomed LocationTechNZ and InsurTechNZ communities into the Alliance.

With this growing voice, we **PROMOTE** the importance of technology to the New Zealand public, to businesses and the Government, and further support the promotion of successful New Zealand technology to the world.

Building on the solid foundation of a well connected ecosystem and our strong voice we are able to help **ADVANCE** the essential elements for creating a prosperous digital nation. NZTech's strategy focuses on helping improve tech education and skills, helping grow tech exports and helping the Government use and understand tech better.

We have many programmes of work in place to support our strategy. Highlights include:

Digital Tech ITP

NZTech and the Government have partnered to develop the Digital Technologies Industry Transformation Plan (ITP) to grow the digital technology sector.

ShadowTech

A programme providing students and teachers with the opportunity to experience a day in a tech firm.

Tech Story

An industry and Government collaboration to develop and promote New Zealand's tech and innovation story to the world.

Techweek

A week long programme of tech and innovation events throughout New Zealand, to inspire, inform and educate.

Other strategic initiatives include:

· Government Tech Action Group (GTAG), bringing key officials together from across Government agencies to share and align policy and tech related approaches.

· Tech21, a collaboration with the Ministry of Education (MoE) hosting over 1500 South Auckland students and teachers to meet local tech leaders and discover careers in tech.

CREATE A PROSPEROUS NEW ZEALAND UNDERPINNED BY TECH

3 Advance — Kokiri

GOVERNMENT
Help Government use & understand tech better.

GROWTH
Help grow businesses & tech exports.

EDUCATION
Help improve tech skills & education.

Advancing the foundations for a successful digital nation including education, connectivity, security, access & trade.

2 Promote — Whakapiki

TECH STORIES
Tell our tech stories to the world.

SHOWCASE
Showcase our tech successess.

Promoting the importance of technology to New Zealand, and New Zealand technology to the world.

1 Connect — Whakapiri

COLLABORATION
Connect the tech ecosystem.

INTERNATIONAL
Connect NZ tech to the world.

Connecting tech ecosystems, organisations, people and policy makers to each other and to the world.

Digital Tech ITP

Collaboration to grow the digital tech sector.

In 2019, the New Zealand Government launched its Industry Strategy, outlining its approach to growing strong and innovative industries in New Zealand. In response to the impacts of COVID-19, the Industry Strategy was updated in June 2020.

Central to this new policy is the development of Industry Transformation Plans (ITPs) for sectors where there are opportunities to improve productivity and growth, or where significant transition is required. The ITPs are long term plans developed in partnership with Government and industry. They articulate a vision and an action plan for specific sectors.

The NZTech Group has been an integral industry partner in the development of two of these sector plans - Agritech and Digital Tech ITPs.

AgriTechNZ partnered with the Government to develop the Agritech ITP which was launched in July 2020.

NZTech continues to help with the development of the Digital Tech ITP. Following feedback from a series of nationwide workshops, seven working groups have been established with hundreds of volunteers from across the tech ecosystem. The collective insights from these volunteers have helped NZTech and the Government to develop a draft ITP, including a recommended action plan which is currently being reviewed by the Minister. The work streams include:

1. Develop skill pipeline programmes aimed at closing the skills gap in the sector.
2. Improvements to Government procurement to realise benefits for tech sector growth.
3. Initiatives to support data driven innovation.
4. Developing an artificial intelligence (AI) strategy for New Zealand.
5. Māori engagement to co-design initiatives aimed to enable Māori success in the sector.
6. Initiatives to support the growth of high value digital export sectors.
7. Strengthening New Zealand's international tech brand.

Collectively, these initiatives will help the sector grow and prosper.
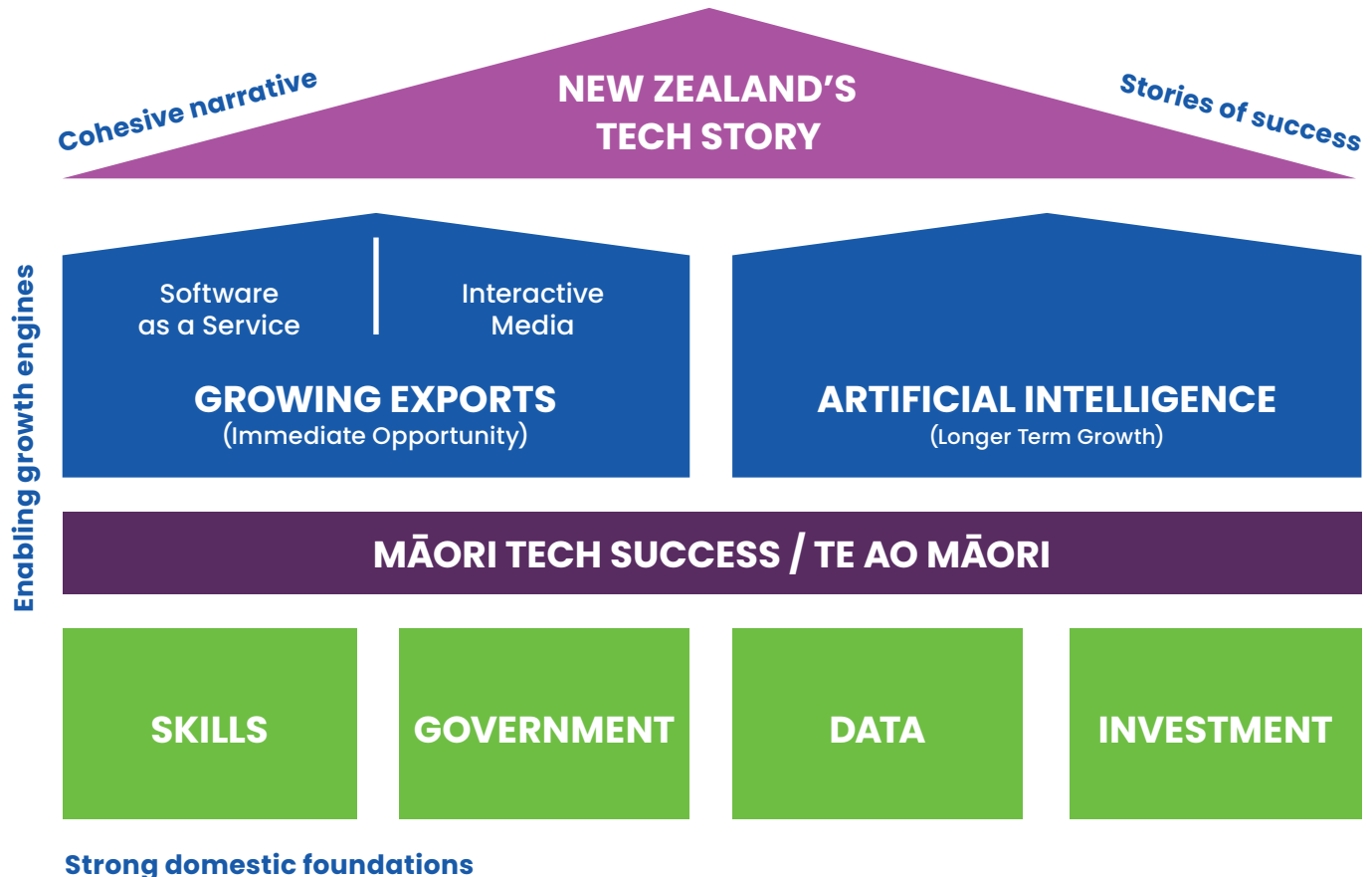
Tech Story

Sharing our Tech Story with the world.

New Zealand's tech sector continues to grow, but there is relatively low awareness of our tech and innovation capabilities on the world stage. While our pandemic response has helped shift international perceptions of New Zealand, it also offers a timely window of opportunity to share our story.

The New Zealand Tech and Innovation Story (Tech Story) is a marketing initiative designed to deliver a compelling, consistent way of promoting our tech and innovation capabilities. This will enhance New Zealand's international reputation for delivering world-class solutions and as a place for tech talent and investment. By activating and telling the story to the world, the vision is for New Zealand to be recognised in a way that helps grow its tech exports, attracts investment and tech talent, and inspires the next generation.

The Tech Story is a key workstream of the Digital Tech ITP to help grow the digital technologies sector as part of the New Zealand Government's industry policy.

Led by NZTech and the tech industry, the Tech Story is being developed in collaboration with New Zealand Trade and Enterprise (NZTE), New Zealand Story, the Ministry of Business, Innovation and Employment (MBIE), Te Tira Toi Whakangao (T3W), Callaghan Innovation and the Ministry of Education (MoE).

The Discover and Define phases have now been completed. The research has included gathering insights from over 600 individuals in the New Zealand and international tech communities to inform key messaging, audience and market relevance, branding, marketing assets and campaign activity. The Summary Insights Report highlights these insights and includes potential themes and messaging for consideration in the development of our Tech Story.

What's next?

The New Zealand Tech and Innovation Story will come to life in October 2021 through an international marketing campaign to targeted audiences and markets. It will be supported by a range of marketing assets that our tech businesses can utilise in their own activities to help them internationally.

The programme consists of four key phases:

1 Discover

Reconnecting with the industry to understand their current views on the international tech landscape – identifying the gaps in knowledge that relate to a tech and innovation story.

2 Define

Taking these learnings, the team will define the story through development workshops to test and validate messages and brand positioning. International Perceptions Research will also provide a unique perspective to ensure the Tech Story resonates offshore with target audiences.

3 Create

This phase involves the creation of Tech Story assets, stories and online platforms that reflect the messages and brand positioning that will help us achieve the objectives for the New Zealand tech industry.

4 Activate

New Zealand tech businesses (Story Users) will be provided the tools and assets they need to use the Tech Story to assist them in achieving their commercial objectives. Priority markets will be selected and activation begins through a range of paid promotion and marketing activities.

Why share our Tech and Innovation Story?
To attract investment, talent and grow revenue.

techweek2021

New Zealand's festival of tech and innovation.
22 – 30 May

Connecting for a better future.
Te honohono mo te heke mai pai ake.

Launched in 2012, Techweek is a nationwide series of events, celebrating New Zealand tech innovation.

Techweek exists to showcase and empower the New Zealand technology and innovation ecosystem. The annual festival provides the platform for everyone to meet, share ideas and create connections to enhance our future world. It also helps inspire the next generation into tech career pathways. Techweek2021 was a mix of live, virtual and hybrid events.

Techweek2021 in Numbers

9	→ Days
65	→ Techweek TV sessions
374	→ Events
532	→ Speakers
27,260	→ Event attendees
53,397	→ Unique users of the website
371,733	→ Social media impressions
2,159,521	→ Impressions across all media

7 → **Strategic partners –** AUT, Callaghan Innovation, IBM, Auckland Unlimited, MBIE, MoE and NZTE.

4 → **Festival partners –** ANZ, Chorus, Media Design School and NZ Growth Capital Partners.

5 → **Advocate partners –** ASX, Beca, CENNZnet, Datacom and Tower.

2 → **Supporters –** Access Advisor and Icehouse.

Tech21

Imagine your future at Tech21! Connecting ākonga (learners) and the tech sector - navigating through our digital future!

The Ministry of Education and NZTech partnered to host Tech21, to inspire ākonga into technology careers. The Tech21 Summit was designed to spark inspiration for year 7–10 ākonga.

The Summit on 24 May at the Vodafone Events Centre in Manukau showcased tech innovation and creativity, plus the opportunity for Technology Learning career pathways. The Tech21 Summit featured inspirational high profile speakers sharing their stories and career journey. The Imagine Zone showcased technology careers with storytelling and hands-on tech

experiences for ākonga. The Imagine Zone was the space for ākonga to touch, feel, see and imagine their future in tech. The Tech21 Summit was a pilot project and school participation was by invitation.

Why Tech21?

There is a tech job to suit everyone and we want to show it involves more than just coding. New research shows less than three percent of the tech workforce are Pacific people, four percent are Māori and 27 percent are

female. We want to make a positive change and impact these statistics! This provides an opportunity for ākonga to join our fastest growing and highest paid sector. Tech21 aimed to engage teachers, career advisors, educators and leaders to meet its objective. This supports the Ministry of Education's long term strategy to build the capability of the education workforce within the Technology curriculum and empower young learners to gain a better understanding of potential pathways to tech careers.

"Whaia te pae tawhiti kia tata, Whakamaua te pae tata kia tina!"

"Explore beyond the distant horizon and draw it near, take hold of your potential so it becomes your reality!"

Tech21 in Numbers

1,582 → **Participants**

1 → **Imagine Zone**

2 → **Keynote presentations**

3 → **Tech Talks**

5 → **On-demand Tech21 videos**

10 → **Speakers**

1 → **Imagine Zone booths**

45 → **Buses transported students**

61 → **Imagine Zone industry experts**

65 → **Schools attended Tech21**

www.technz.nz   #tech21

ALEXIA HILBERTIDOU — www.technz.nz #tech21 #techweek2021

AMBER TAYLOR — www.technz.nz #tech21 #techweek2021

BRITTANY TEEI — www.technz.nz #tech21 #techweek2021

JAMES BROOKS — www.technz.nz #tech21 #techweek2021

SIR IAN TAYLOR — www.technz.nz #tech21 #techweek2021

ANNE TAUNGA — www.technz.nz #tech21 #techweek2021

The Tech Alliance

A collection of purpose driven, not-for-profit, non-government associations that are funded by members that care about the impact of technology on New Zealand.

NZTech drives the national strategy for the Tech Alliance. Helping members work together effectively, making connections, sharing insights, collaborating and enhancing New Zealand's ability to benefit from technology.

During the past year the Tech Alliance has continued to grow. Newly affiliated associations include ManawaTech and Technology Valley Forum.

www.techalliance.nz

WealthTechNZ

...chNZ

New Zealand
IoT Alliance

LocationTech⁺

TECH
LEADERS
EXECUTIVE.

TECH
...LIANCE

techwomen

techweek

Tech
Marketers

...Tech

AFFILIATE GROUPS

CULTIVATE IT

Canterbury
Tech

NZ HI-TECH
AWARDS

MANAWA
tech

CONNECTING WELLINGTON'S
INNOVATORS

NZGDA
NEW ZEALAND
GAME DEVELOPERS
ASSOCIATION

NZHiT
Enabling a Healthier New Zealand
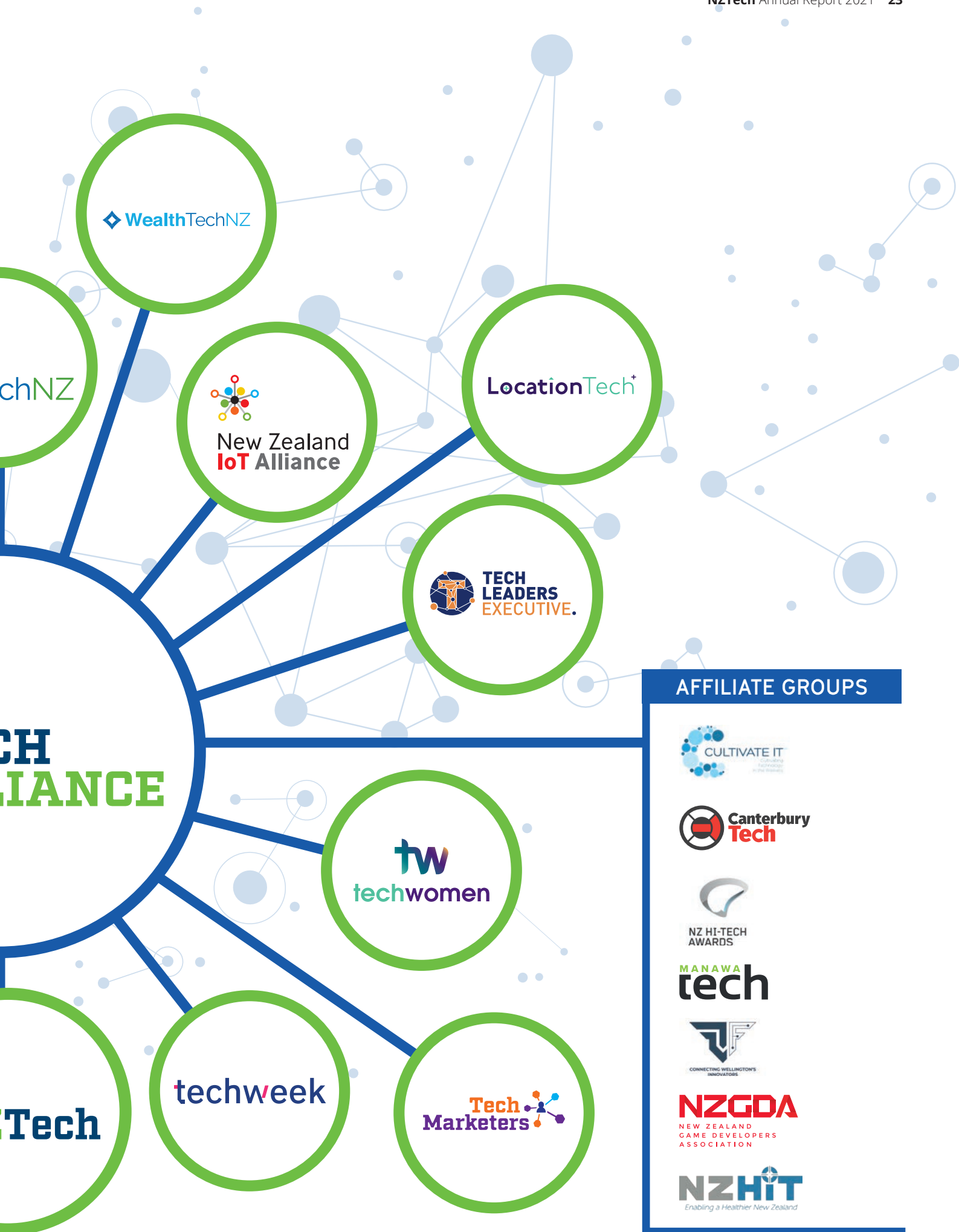
Agritech New Zealand

Brendan O'Connell

CEO

Building a world class agritech ecosystem.

OUR MISSION

- To scale the New Zealand agritech ecosystem through advocacy, collaboration and innovation.
- Support farmers and growers to adopt agritech to increase productivity, profitability and sustainability.

AGRITECHNZ IN NUMBERS

1 New Zealand **Agritech Industry Transformation Plan** supported development and delivery.

1 Economic impact research report.

3 International agritech missions.

4 Key recommendations identified in **Aotearoa Agritech Unleashed** research report.
- Strengthen commitment to the national agritech strategy.
- Develop a trans-Tasman agritech strategy.
- Understand local agritech adoption better.
- Stimulate local agritech adoption.

7 Global partnerships.

155+ Members.

50+ Events and Webinars for members.

450+ Attendees at the **AgriTech ITP Roadshows** nationwide.

www.agritechnz.org.nz

Artificial Intelligence Forum of New Zealand

Emma Naji

EXECUTIVE DIRECTOR

Harnessing the power of Artificial Intelligence (AI) technologies to enable a prosperous, inclusive and thriving future New Zealand.

OUR MISSION

To increase the understanding and use of artificial intelligence (AI) to help bring about a prosperous and inclusive New Zealand.

AI FORUM IN NUMBERS

1 AI Roadmap for New Zealand.

1 National AI conference.

2 Key workstream partnerships in the Digital Tech ITP

3 Economic impact reports.

5 Core principles for Trustworthy AI in Aotearoa.

6 Working groups

30+ Stories placed in the media.

- Developing a national AI Strategy.
- Creating AI awareness.
- Assisting AI adoption.
- Increasing trusted data accessibility.
- Growing AI talent.
- AI effects on law, ethics and society.

30+ Member events and webinars.

$54b Potential economic growth from AI for New Zealand.

115+ Members.

forum
NEW ZEALAND
Te Kāhui Atamai Iahiko o Aotearoa

www.aiforum.org.nz

BioTech New Zealand

Zahra Champion

EXECUTIVE DIRECTOR

Creating a healthy, clean and prosperous New Zealand, boosted by biotech.

OUR GOALS

- To raise awareness and improve understanding of biotechnology.
- Enable New Zealand to embrace the best opportunities biotech offers to help us live better, healthier and more productive lives.
- To educate, inspire and inform.

BIOTECHNZ IN NUMBERS

1 Voice for the biotech industry in New Zealand.

1 Medicinal Cannabis Summit.

2 Biotechnology reports.

6+ Submissions to regional councils and Government.

7+ Stories placed in the media.

15+ Networking events and webinars.

80+ Members and growing.

BIOTECH
NEW ZEALAND

www.biotechnz.org.nz

Blockchain New Zealand

Bryan Ventura

CHAIR

Helping New Zealand become a global hub for blockchain innovation.

WHY BLOCKCHAIN?

Blockchain technology is transforming how business and society operates. It is changing our understanding of authentication, transparency and trust.

OUR PURPOSE

- To support the growth of a sustainable blockchain ecosystem in New Zealand.
- To grow New Zealand's blockchain capability.
- To advocate for blockchain technology in the public and private sectors.

BLOCKCHAINNZ IN NUMBERS

20+ Meetups & webinars for members.

2 Select committee appearances.

3 Submissions to Government.

1 International review group for blockchain standards.

60+ Member organisations.

www.blockchain.org.nz

Digital Identity New Zealand

Michael Murphy

EXECUTIVE DIRECTOR

Leading a united approach to digital identity for the benefit of all New Zealanders.

OUR MISSION

To create a digital identity ecosystem that enhances
Kāwanatanga – honourable governance
Rangatiratanga – self-determination and agency
Ōritetanga – equity and partnerships for all people in NZ.

DIGITAL IDENTITY NZ IN NUMBERS

2 Annual digital identity surveys conducted.

2 National digital identity conferences co-organised.

7 International and 10 local speaking appearances.

6 Stories placed in the media.

45 Events and webinars produced.

70+ Member organisations.

79% The number of New Zealanders concerned about the protection of their identity and use of personal data.

IDENTITY AS TAONGA

We believe Kiwis should retain control and ownership of their digital identity. Identity as taonga changes the way we interact - incorporating dignity, respect and trust into our digital worlds. Identity is a treasure worthy of dignity, respect and care. This places a great deal of responsibility on organisations as kaitiaki (custodians) of identity and personal information, leading to increased transparency, meaningful privacy controls and simple, straightforward policies and technology that make it easier for people to take meaningful action.

DIGITAL IDENTITY.NZ

www.digitalidentity.nz

EdTech New Zealand

Shane Kerr

CHAIR

Empower learning with technology that embodies our unique Aotearoa New Zealand identity.

OUR MISSION

Improving the lives of people and increasing access to, quality and impact of education through innovative technology, for the benefit of educators and learners in Aotearoa New Zealand and around the world.

KEY PROJECTS

- Mapping the New Zealand EdTech Ecosystem
- Surveying members for a white paper

EDTECHNZ IN NUMBERS

1 Growing voice for the importance of education technology.

5+ Stories placed in the media.

20+ Events and webinars produced.

40+ Member organisations.

3 EdTech Showcase events during Techweek21.

74 EdTech related events during Techweek21.

EdTechNZ

www.edtech.org.nz

FinTechNZ

James Brown

GENERAL MANAGER

Fintech is redefining the way we borrow, lend, save, spend, store and transfer money.

OUR PURPOSE

We actively contribute to the prosperity of New Zealand through financial technology innovation.

OUR OBJECTIVES

- Connect our ecosystem locally and internationally.
- Promote local fintech innovations and opportunities for economic growth and showcase New Zealand fintech success stories.
- Advance the understanding of financial technologies and collaborate with the Government to quantify fintech's economic opportunity.

FINTECHNZ IN NUMBERS

1 Report on Trade Opportunities for New Zealand and the United Kingdom.

2 National fintech conferences supported.

3 Working groups - WealthTech, International, Regulation Roundtable.

9 International delegations co-hosted.

21 International partnerships.

25 Stories placed in the media.

36 Events and webinars for members and partners.

170+ Members.

Open finance project launched.

Founding member of Global Fintech Findexable platform.

FinTechNZ

www.fintechnz.org.nz

InsurTechNZ

Blair Turnbull

Dale Smith

CO-CHAIRS

This year, InsurTechNZ was established as an association. This follows its tenure as FinTechNZ's Insurance Working Group.

OUR MISSION

To champion innovation in InsurTech that creates new insurance services and improves the customer experience, helping Kiwis respond to a changing world.

OUR OBJECTIVES

- To connect to the international InsurTech community.
- To create an environment for collaboration.
- Attract talent and startups to this emerging industry.
- Encourage more insurtechs to join the ecosystem.

OUR NUMBERS

9+ Events and webinars.

18 Insurtech related events in Techweek21.

22 Corporate members.

1 Queenstown Hui with FinTechNZ.

Virtual events in partnership with InsurTech Australia.

InsurTechNZ

www.fintechnz.org.nz/insurtechnz

New Zealand IoT Alliance

Kriv Naicker

CHAIR

Accelerating a connected New Zealand.

Connecting data, devices and people.

OUR GOALS

- To connect the local Internet of Things (IoT) ecosystem and generate synergy.

- To measure, understand and promote the opportunities and challenges of IoT.

- To advance collaboration, innovation, stimulate economic growth, talent attraction and development.

OUR RESEARCH

Better use of IoT could create at least $2.2 billion in net economic benefit for New Zealand within a decade.

The Internet of Things – Accelerating a Connected New Zealand (2017).

THE NEW ZEALAND IOT ALLIANCE IN NUMBERS

1 Economic research report.

7 Working groups including cybersecurity, data privacy and collaboration.

10 Stories placed in the media.

15+ Events and webinars for members.

9 IoT related events during Techweek21.

50+ Members.

New Zealand **IoT** Alliance

www.iotalliance.org.nz

LocationTech New Zealand

Sam Drummond

CHAIR

LocationTech is at the heart of big data, creating most of the world's information.

OUR GOALS

- **To expand the spatial industry as a sustainable and increasingly significant business sector in the national economy.**

- **To promote widely the value of adopting and using spatial information and spatial technologies.**

- **To build on existing opportunities for the private sector of the industry so that it may prosper.**

- **To look beyond the horizon to ensure that the industry is both aware and ready to adapt and change to take advantage of new opportunities.**

LOCATIONTECH IN NUMBERS

1 National awards event supported.

11 Years of representing the geospatial sector.

7 Events and webinars for members.

18 Members and growing.

WHAT IS LOCATION TECH?

Location Technology is more than a map or model – it's where we live, travel and what we do. Most daily activities rely on location data and the technology that brings it to life. Data analysis can help us understand how certain variables impact our lives and help inform our health, safety and wellbeing.

Location information impacts most aspects of our economy, including agriculture, communications, construction, defence, infrastructure, land use planning, mining, property and transport.

LocationTech+

www.locationtech.org.nz

Tech Leaders Executive

Craig Young

EXECUTIVE DIRECTOR

Technology leadership influencing positive economic and social change.

WHO ARE WE?

Senior technology executives who care deeply about the future of New Zealand, better use of technology and the development of digital skills for all.

"Together we see a prosperous future for New Zealand underpinned by technology."

TECH LEADERS IN NUMBERS

12 Leaders and growing.

8 Roundtable meetings.

5 Briefing papers presented to Ministers.

5 Tech challenges outlined in our Tech Manifesto.

1. Trust our **data**.
2. Growing **economic** productivity.
3. Redefinition of the **workplace**.
4. **Upskilling** the nation.
5. Accessing the best **talent**.

TECH LEADERS EXECUTIVE.

www.techleaders.nz

Tech Marketers

Justin Flitter

CHAIR

Tech Marketers connects marketers in the tech ecosystem, promotes marketing within companies and advances New Zealand tech marketers nationally and globally.

OUR GOALS

1. To build a strong community and connect marketers in the tech industry.

2. To promote marketing within tech companies and the wider industry.

3. To advance the tech marketing discipline and increase tech marketers capability.

Justin Flitter has been appointed as Chair, replacing founding co-chairs Bob Pinchin and Jane Smallfield.

TECH MARKETERS IN NUMBERS

7 Mentor programme participants.

20 Events and webinars for members.

100 Conference attendees.

175 Members and growing.

300+ Attendees at 8 webinars.

www.techmarketers.co.nz

Tech Women

Eva Sherwood

CO-CHAIR

Samar Alrayyes

CO-CHAIR

Inspiring, supporting and encouraging women in tech.

Working together to help address one of the major challenges for the successful growth of technology in New Zealand – a shortage of women in tech.

- Women only occupy 23% of professional IT roles.
- Less than 1 in 20 girls considers a high-paid career in science, technology, engineering or maths, compared to 1 in 5 boys.

OUR PURPOSE

- Inspiring girls into technology.
- Supporting the growth of women in tech roles.
- Help develop policy and actions for improved diversity in the tech workplace.

TECH WOMEN IN NUMBERS

18+ Member meetups.

100+ Participants in Mentoring Circles.

350+ Members and growing.

75+ Teacher and career advisors participated in ShadowTech Teachers.

tw
techwomen

www.techwomen.nz

Hi-Tech Awards 2021

Record number attend Hi-Tech Awards

This year's Gala Dinner announcing the 2021 Hi-Tech Award winners was attended by nearly 1300 guests, including the Prime Minister and the Mayor of Auckland.

The New Zealand Hi-Tech Awards celebrate New Zealand's most successful hi-tech companies and highest achieving individuals. Winning an award is one of the tech ecosystem's most sought after accolades.

This year the Hi-Tech Awards 70 judges assessed a record number of entries across 14 categories.

"Clearly the COVID-19 situation has thrown us a few curveballs in regards to the Awards programme over the last year and it's fantastic that we can all get out this evening and celebrate the successes of our great tech companies, and the contribution they are making not only to New Zealand's economy but also how they are leading us out of the pandemic with such innovative solutions," said David Downs, Chair, New Zealand Hi-Tech Trust.

The Awards programme, administered by the independent New Zealand Hi-Tech Trust, promotes tech as a leading contributor to New Zealand's economy and export success.

The 2021 New Zealand Hi-Tech Awards winners are:

Xero Hi-Tech Young Achiever

Winner: Maria English

Maria is the CEO of ImpactLab, whose data tools help funders and service providers measure their impact. The Judges were impressed with Maria's inspirational journey, the strategy she has embarked on and how she is embracing diversity and inclusion.

Visa Best Hi-Tech Solution for the Public Good

Winner: Student Volunteer Army and Custom D

Judges assessed the commercial nature of each finalist versus their charitable work. The winner stood out due to their long term commitment to the community and sole focus on community good over commercial gain.

IBM Most Inspiring Individual

Winner: Craig Hudson

Craig has uniquely used his position of influence for good and made efforts to share his career journey for the benefit of others.

Auckland Unlimited Most Innovative Hi-Tech Creative Technology Solution

Winner: Moxion

Moxion represents a paradigm shift in the film and television industry. They intimately understand their customers' pain points and problems and have built a secure, scalable platform to meet those needs.

Highly Commended: Alimetry

Callaghan Innovation Hi-Tech Maori Company of the Year

Winner: MB Century

The Tuaropaki Trust has integrated a technology-driven business into its overarching kaupapa that places the Whenua and the people at the heart of every decision they make.

Duncan Cotterill Most Innovative Hi-Tech Software Solution

Winner: Rocos

After being a finalist last year, Rocos has matured as it builds a platform-agnostic operating system for robots of all types.

Endace Most Innovative Hi-Tech Hardware Product

Winner: Halter

Halter has developed the technology to control the movement of cows without fences. This saves labour and fencing costs. It also provides significant value in terms of pasture management, along with environmental and animal welfare benefits.

Kiwibank Most Innovative Hi-Tech Service

Winner: chnnl

Chnnl's data driven approach and academic rigor in delivering critical mental health service to organisations have provided quantifiable benefits to all participants.

Hi-Tech Awards 2021

NZTE Most Innovative Hi-Tech Agritech Solution

Winner: Halter

Halter demonstrates customer focus, strategic financial resourcing and an innovative approach as it addresses key challenges in livestock management.

Halo Consulting Best Contribution to the NZ Tech Sector

Winner: NZTech

NZTech was created by the tech sector, for the tech sector. It unites 20 tech associations and over 1000 member organisations that collectively employ more than ten percent of the New Zealand workforce.

Punakaiki Fund Hi-Tech Start-up Company of the Year

Winner: Moxion

Moxion has solved a challenging technical problem by enabling secure global collaboration with vast numbers of high-quality video files.

Pacific Edge Hi-Tech Emerging Company of the Year

Winner: Whip Around

Inspection and maintenance tool Whip Around is a scalable SaaS platform whose growth is accelerating as they take advantage of a large niche opportunity.

Highly Commended: LawVu

Soul Machines Most Innovative Deep Tech Solution

Winner: NanoLayr (previously known as Revolution Fibres)

Nanolayr has overcome technical complexities to scale their solution from first principles, with deep connections to the research ecosystem.

PwC NZ Hi-Tech Company of the Year Award

Winner: Fisher & Paykel Healthcare

Fisher & Paykel Healthcare was a global leader in respiratory care. When COVID-19 hit, they rapidly re-engineered their business to deliver vital products, for example, addressing the global shortage of ventilators.

Tait Communications Flying Kiwi Award

Recipient: Wayne Norrie

Every year the Hi-Tech Trust recognises an individual who has made a significant contribution to ensuring the success of the New Zealand hi-tech sector.

This year, Wayne Norrie was recognised with the prestigious Tait Communications Flying Kiwi Award and inducted into the New Zealand Hi-Tech Hall of Fame.

Wayne has more than three decades of experience in

technology and finance. He is currently on the Board of Directors of New Zealand Trade and Enterprise (NZTE) and chair of Sportsground.com, a cloud provider for sports organisations.

Wayne co-founded New Zealand cloud services provider Revera, now part of Spark, which supplies data centre services. He is former chair of NZTE's Beachhead advisory board, the Hi-Tech Trust, travel e-commerce group Online Republic, IT reseller Fronde

Systems, management consultancy Maven International and Team BLM, and a former director of Aspeq, which offers assessment services for regulated industries.

He is a chartered fellow of the Institute of Directors New Zealand, a member of Kea's World Class New Zealand network, and a fellow of the New Zealand Institute of Management. He has science and computer science degrees from the University of Canterbury.

"Wayne is such a deserving recipient of this recognition. He has contributed so much to the New Zealand tech sector over the years and indeed the success of the Hi-Tech Awards. He is without doubt one of the great ambassadors and advocates for our industry."

DAVID DOWNS, Chair, New Zealand Hi-Tech Trust.
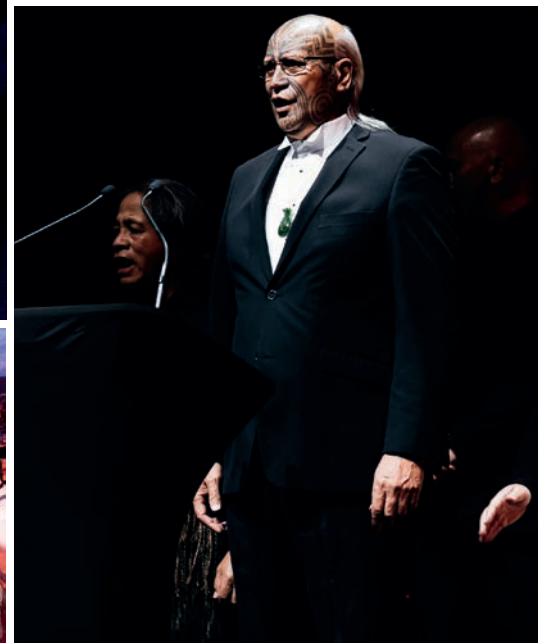
Connect

Whakapiri

Promote

Whakapiki

Advance

Kokiri