



The NZ Hi-Tech Foundation

A vision for long-term impact



V1.4 Oct 2021
The Hi-Tech Trust

Charitable Trust
Registration Number CC57991

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The Tech Sector // economic impact

New Zealand's
Tech Sector
had

23,229

companies in 2020

Source: Statistics NZ 2021

New Zealand's
Tech Sector
employed

111,760

people in 2020

Source: Statistics NZ 2021

NZ's Top 200
Tech Exporters
reported

\$13.9b

revenues in 2021

Source: TIN Report 2021

NZ's Top 200
Tech Exporters
revenues grew

11.5%

between 2020 to 2021

Source: TIN Report 2021

New Zealand's
Tech Sector
employs

5%

of the NZ workforce

Source: Statistics NZ 2021

Each new
Tech Sector
job creates

4.8

new jobs

Source: NZTech Digital Nation Report, 2016

New Zealand's
Tech Sector
contributes

8%

to GDP

Source: NZTech Digital Nation Report, 2016

Each **4%** growth
in Tech Sector
productivity creates

\$2.7b

additional GDP

Source: NZTech Digital Nation Report, 2016

The Tech Sector // employment

New Zealand's
Tech Sector
employed

111,760

people in 2020

Source: Statistics NZ 2021

New Zealand's
Tech Sector
employs

5%

of the NZ workforce

Source: Statistics NZ 2021

New Zealand's
Tech Sector
median base salary

\$100,000

per annum

Source: Absolute IT Survey 2021

NZ's Top 200
Tech Exporters
employ

57,262

people globally

Source: TIN Report 2021

27%

of New Zealand's
IT workforce are
Women

Source: Digital Skills Aotearoa Report 2021

4%

of New Zealand's
IT workforce is
Māori

Source: Digital Skills Aotearoa Report 2021

2.8%

of New Zealand's
IT workforce is
Pasifika

Source: Digital Skills Aotearoa Report 2021

50%

of New Zealand's
Tech Sector
employees are in
Auckland

Source: Statistics NZ 2021

The Tech Sector // education

13,403

Year 13 students enrolled in digital tech courses in 2020

Source: Ministry of Education 2021

28%

of Year 13 students enrolled in digital tech courses in 2020 were Female

Source: Ministry of Education 2021

12%

more Year 9-13 students enrolled in digital tech courses in 2020

Source: Ministry of Education 2021

2,250

Students moved into IT degree courses from school in 2020

Source: Ministry of Education 2021

11,905

Computer Science, InfoTech & Software Engineering domestic students studying IT degree level in 2020

Source: Ministry of Education 2021

Domestic students studying IT degree level qualifications decreased

-3% in 2020

Source: Ministry of Education 2021

2,400

Computer Science, InfoTech & Software Engineering domestic students graduated with IT degrees in 2020

Source: Ministry of Education 2021

Domestic students graduating with IT degree level quals decreased

-7% in 2020

Source: Ministry of Education 2021

The Tech Sector // education

26%

of students studying IT courses in 2020 were Female

Source: Ministry of Education 2021

10%

of students studying IT courses in 2020 were Māori

Source: Ministry of Education 2021

7%

of students studying IT courses in 2020 were Pasifika

Source: Ministry of Education 2021

9%

of students studying IT courses in 2020 were over 40 years old

Source: Ministry of Education 2021

425

Female students graduated with IT degrees in 2020

Source: Ministry of Education 2021

120

Māori students graduated with IT degrees in 2020

Source: Ministry of Education 2021

85

Pasifika students graduated with IT degrees in 2020

Source: Ministry of Education 2021

80

Students over 40 graduated with IT degrees in 2020

Source: Ministry of Education 2021

The NZ tech sector has two big challenges...



Talent shortage

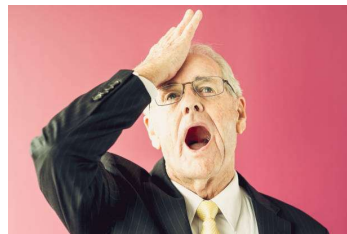
- ◆ NZ needs up to 5,000 tech skilled people per year
- ◆ Some skills have a chronic shortage (data science, product management, developers...)
- ◆ Immigration will not plug the gap, and the tertiaries are not doing the job either
- ◆ The problem is getting worse



Low participation

- ◆ There are shockingly few Māori, Pasifika and women in the tech sector...
 - 27% of total workforce are Women
 - 4% are Māori
 - 2.8% are Pacific people
- ◆ There aren't pathways for neurodiverse people (eg dyslexia)

...which are a huge opportunity



It's a no-brainer. We need to solve **both these problems** at the same time

The good news...

Talent is ubiquitous

- Talent is widely distributed across the nation (it's opportunity that's missing).
- The lack of participation from key sectors provides a massive new talent pool for the industry

There is a real desire for the sector to step up and make a difference

- Everyone is crying out for a solution, and while the government can do some things to help, they'll never work as fast or as effectively as an industry-led response.
- Companies and individuals have created point solutions which show a real desire to be part of the change.

There are great programmes emerging

- Programmes like EAF, Take2, People 4 People, Tupu Toa, Computer clubhouse etc etc show that 'grassroots' initiatives really work, and have a big impact at a local level.

We have proven momentum

- The Hi-Tech Foundation has established an endowment fund, received seed funding and already starting funnelling money into programmes that have made a difference already.

The gap is funding – which is where we come in...



The NZ Hi-Tech Foundation Endowment Fund

- We are building a \$25m endowment fund
- An endowment fund is a permanent and evergreen investment. No principal is expended, just the earned interest & returns
- Our Hi-Tech Endowment Fund will help grow the capability and capacity of the hi-tech sector, and contribute to its increasing success and impact for many years to come
- Each year, the fund will continue to grow as the tech community contributes, to make an asset for the future
- When at scale, the fund should return over \$1m per year into initiatives
- The fund is managed by Perpetual Guardian, and overseen by a group of specially chosen custodians



The Hi-Tech Trust has a unique, respected position in the sector

- For 25 years we've led the celebration of the success of the tech sector through the Hi-Tech Awards
- Thanks to the good work of many people, over many years, the Trust has a strong reputation and solid support
- The Hi-Tech Trust is in a unique position in the NZ high tech sector - not representing companies, individuals, or government
- As such, we stand as an organisation that has no particular agenda, apart from promoting the high tech sector and the people in it
- To better fulfil our purpose we've established the Hi-Tech Foundation, a charity to support diversity in the NZ Tech Sector

The impact already being made...

March 2021: The NZ Hi-Tech Foundation is excited to introduce the six winners of its **first He Whetū Mārama Ngā Karahipi Leading Light Scholarship**.

The foundation distributed a total of \$30,000 in financial assistance to support its six incredible scholarship recipient's journeys into tech.

Vaifoa is 18 years old and has entered study this year to pursue a career in tech with a dream of one day working in the gaming, animation and design industries.

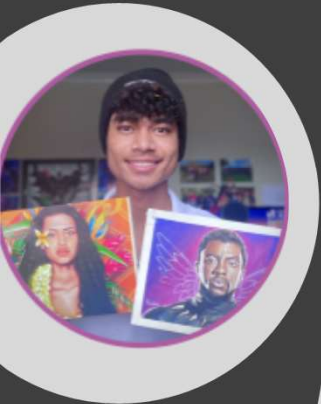
Ramari is a Software and Web Development student who has returned to study after a 20-year professional career and is now upskilling to fulfil her dream of being a developer and growing the tech sector in Northland.

Jasmine is a Software and Web Development student who has recently pivoted from her career in construction to now chasing her dream of one day working in tech in the cyber security.

Jonson is a passionate learner now studying a Bachelor of Creative Technologies at AUT with a dream of one day working in the gaming industry.

Huni is a recent graduate of a Bachelor of Information Science and is passionate about growing representation of Pacific people in tech.

Alfred is a talented aspiring engineer and committed member of his local church, currently into his second year at the University of Auckland studying a conjoint degree in a Bachelor of Engineering and a Bachelor of Commerce.



LAND OF VOYAGERS STORIES VESSELS ABOUT TRACKER

"THE FOOTSTEPS LAID DOWN BY OUR ANCESTORS CENTURIES AGO, CREATE THE PAVING STONES UPON WHICH WE STAND TODAY..."

"Land of Voyagers" is a koha, a gift, to be shared with all the rangatahi of Aotearoa, New Zealand.

We built this site as we followed the Tūāhū Voyage from Tahiti to Aotearoa and we invite you to join us on our voyage of discovery.

This site celebrates the incredible story of our Polynesian ancestors, our tupuna. A story that has remained largely untold in our schools since the arrival of Captain Cook, 250 years ago. We begin with the story of the greatest migration in the history of mankind.

Kō ngā taha ā ē tāpuwai ināhahi, hei rauira mā āpōpō - In the Māori world view it is our past that always lies in front of us - "The footsteps laid down by our ancestors centuries ago, create the paving stones upon which we stand today."

Elevating Aotearoa's Future Candidates Employers About Us

Elevating Aotearoa's Future


Tēnā koutou. Thank you to everyone who applied.

The team are excited as so many wonderful people have applied.

A stronger Aotearoa through fostering and growing careers with Māori & Pacific Island Peoples in New Zealand's Technology Sector

Mā te huruhuru, ka rere te manu
Adorn the bird with feathers and it will fly

TAKE2



Breaking the Cycle of Crime Through Tech

Programme progress

Take2 is now six-months into the pilot programme at Auckland South Corrections Facility. We now have a wide variety of skills and experience in the classroom, with one of our students having last used a computer when floppy disks were still in use!

Take2 staff and classroom guests continue to be impressed by our students' dedication to learning web development, an incredibly technical skill. We are proud of the progress they are making, both professionally and personally.

Scaling through others

As well as our own direct scholarship funds, we have supported other initiatives...

Outcomes we are after

	Short term (Years 1 - 3)	Medium term (Years 3-6)	Long term (Years 7+)
Build the fund...	<ul style="list-style-type: none"> • Get to \$2-5m 	<ul style="list-style-type: none"> • Get to \$5-12m 	<ul style="list-style-type: none"> • Get to \$25m
...so we can fund the programs...	<ul style="list-style-type: none"> • Small scale scholarships • Ad-hoc project assistance • Land of Voyagers launch 	<ul style="list-style-type: none"> • Scale up the scholarships • Planned approach to project assistance • Launch of Mātauranga Māori v2 	<ul style="list-style-type: none"> • Scholarships regularly run – 10 pax per year • \$1m+ per year invested into projects
And achieve real outcomes	<ul style="list-style-type: none"> • 20 people on scholarships • 5 people into employment 	<ul style="list-style-type: none"> • 60 people on scholarships • 40 people into employment 	<ul style="list-style-type: none"> • 20 people on scholarships per year • Stats for sector materially changed: <ul style="list-style-type: none"> • +Female • +Māori • +Pacifica • +Diverse thinking

Who is contributing?

A wide variety of individuals and companies will contribute towards the goal of \$25 million in the Endowment Fund. To date we have founders, senior managers and corporates.

Over the years, many people have benefitted from the growth of the sector. While some have their own approaches for 'giving back', the NZ Hi-Tech Endowment Fund will offer a unique way for them to work together, to have a combined impact for NZ.

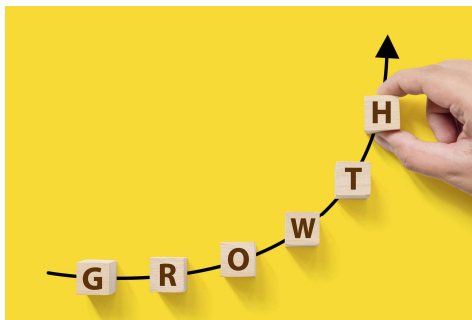
We're approaching some of the luminaries of the hi-tech sector to participate and we're looking to scale our initial seed funding to hit our \$25m target

In addition, we're asking some of our long-term sponsors to look at a strategic investment into the Fund.

Contribution examples

We are open to all contributions as we grow the fund.

To give you an idea of the scale, here are specific examples of actual contributions made so far to the fund.



We expect the fund to grow over the next 5 years, to hit \$25m under management.

Annual gift

- Eg a retired founder is gifting \$10k per year

One off gift

- Eg a successful entrepreneur has made a \$100k gift

Bequest

- Eg a tech leader has \$250k committed in their will

On exit

- Eg a commitment of \$100k when the founder exits

Corporate

- Eg \$30k per annum from one company

Hi-Tech Trust

- Contributes a portion of awards revenue each year

The logo for Blueelab, featuring a blue circle with a white dot inside, followed by the word "Blueelab" in a bold, blue, sans-serif font.The logo for Tech Futures Lab, consisting of four black geometric shapes (a diagonal line, an upward-pointing triangle, a cross, and three horizontal bars) followed by the text "TECH FUTURES LAB®" in a black, sans-serif font.The logo for Movac, featuring a blue square with a white cross inside, followed by the word "Movac" in a bold, blue, sans-serif font.

Some of our supporters

And many other individuals and companies who want to remain anonymous...

Call to action

The Hi-Tech Foundation
Charitable Number CC57991

C/O Perpetual Guardian
P O Box 1934 Shortland Street
Auckland 1140

- To contribute to the NZ Hi-Tech Foundation's endowment fund, please contact:
- David Downs, Chairman, NZ Hi-Tech Foundation
david@hitech.org.nz
021 758967

Nā tō rourou, nā taku rourou ka ora ai te iwi

With your food basket, and my food basket, together
we will feed the people.