

Rakiura Māori Lands Trust

www.rmlt.co.nz

Notice of Annual General Meeting March 24 2024



Nomination for election as Trustee 2024

I Simon Gomez being a registered beneficial owner of land within the Rakiura Māori Lands Trust,

Block X Lords River Survey District Section: 10

nominate the following person for the position of Trustee of the Rakiura Māori Lands Trust at the 2024 AGM to be held on Rakiura.

Signed: [Signature] Date: 6/12/2023

Seconded signed: [Signature] Date: 30 Jan 2024

I Eliza Snelgar being a registered Beneficial Owner of land within the Rakiura Māori Lands Trust.

Block XI Lords River Survey District (Port Adventure No 1, Native Reserve No 189 Blk XI Lords River District) Section: One

Nominated Person:

Full Name	Alexander Matthew Gillespie Hannon
Occupation	Engineer / Technical Specialist

Interest In Trust: Owner Potential Owner by Succession Independent
(Circle one that applies)

Confirm your skill level of the following (in a couple of words such as beginner, none, advanced etc.)

Land/Tikanga Māori:	Beginner – Level 1 & 2 (TWOA)
Communication Skills:	Advanced
Computer Literacy:	Advanced
Te Ture Whenua Māori Act 1993:	Beginner
Governance Role:	Director
Understanding Financial Statements:	Intermediate-Advanced
Meeting Process:	Intermediate

Additional skills: the following additional skill information is provided in support of my nomination.

Engineering Expertise / Experience: <ul style="list-style-type: none"> 8+ years as an Engineer Technical Due Diligence processes – directing acquisition/growth capital Alternative process heat & power Alt. propulsion & powertrains 	Financial Skills/Experience: <ul style="list-style-type: none"> Techno-economic evaluation Financial Modelling Support for Capital Raising (Technical DD) 	Governance & Company Development <ul style="list-style-type: none"> 3 years as a NZ director Aligning businesses with GOV grants - \$5m+ Develop strategic R&D programs IP development & IP management with multi-interest stakeholder groups
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<ul style="list-style-type: none"> ▪ Energy Storage & Conversion ▪ Industrial/Chem. Processes ▪ Waste2Value/Side stream Opt. ▪ Systems engineering 		(i.e. Universities, competitors, investors)
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To be returned to the Trustees by 4pm Wed 7 Feb 2024

Addressed to: **The Trustees, RMLT, Ashton Wheelans, PO Box 827, Wānaka 9305 or email to Rakiura@ashtonwheelans.co.nz**

Background: the following background information is provided.

Alex is an engineer, highlights of his career include:

- Member of the team that designed and developed the Electron Rocket and Photon Satellite Bus while at Rocket Lab, assisting with the first 5 launches; before
- Attending the future industrial energy and propulsion doctoral training program at Cambridge University's Whittle Lab completing a research masters and then leaving to pursue other research
- Other projects include design of medical devices for drug delivery, chemical compound testing apparatus, alternative carbon & hydrogen production, and waste valorisation

His iwi is Ngāi Tahu and his whānau are from Central Otago

Alex is capable across many engineering disciplines from Classical Mechanical-Aerospace to Energy systems and Chemical Engineering Processes. His passion is advanced technologies; he is focussed on technical projects that can deliver practical change.

MRES, Distinction

Industrial Energy and Propulsion, 2019
University of Cambridge, UK.

BE(HONS), First Class

Mechanical Engineering, 2015
University of Canterbury, NZ.

- <https://transitiontech.co.nz/profile/>
- <https://www.linkedin.com/in/alex-hannon-1865166b/>

Additional Information: the following additional information is supplied in support of my nomination.

I the nominated person accept this nomination and confirm the above information to be true and correct.

Alexander Matthew Gillespie Hannon

Signed:  Date: 05/10/2023

To be returned to the Trustees by 4pm Wed 7 Feb 2024

Addressed to: **The Trustees, RMLT, Ashton Wheelans, PO Box 827, Wānaka 9305 or email to Rakiura@ashtonwheelans.co.nz**

Alexander Hannon

Auckland, New Zealand | +64 21 935 164 | Cambridge, United Kingdom | +44 77 608 54004
linkedin.com/in/alex-hannon-1865166b/ | alex@transitiontech.co.nz

Professional Profile

Sustainable Science & Technology | Multiple Engineering Disciplines | Commercially Focused

A results-oriented engineering professional passionate about sustainable science and technology with a focus on industrial processes and chemical processing. Alex is capable across many engineering disciplines from Classical Mechanical-Aerospace to Energy systems and Chemical Engineering Processes. Alex leverages this technical expertise to provide deeper insight & critical commercial understanding necessary to assess fundamental competitive advantages and success factors in next generation technologies. Alex seeks to leverage his experience & skill set in commercial and technical areas to tackle complex problems that make practical change, accelerating the transition to a smarter future.

- Alternative process heat & power
- Alt. propulsion & powertrains
- Energy Storage & Conversion
- Industrial/Chem. Processes
- Waste2Value/Side stream Opt.
- Systems engineering
- Strategic R&D programs
- Economic evaluation
- Financial Modelling & Valuation

PROFESSIONAL EXPERIENCE

REVYRE Global Limited – CTO / Lead Engineer

10/2022 – present (Auckland, NZ)

REVYRE is a rubber polymer recovery and re-processing business for end-of-life industrial rubber. REVYRE has a stable of technologies for recovery and recycling processes, the output is a high-value black devulcanised rubber master-batch compound and scrap steel, and represents a true circular economy process. REVYRE is a company taking the best technology available globally and applying it to solve the problem. Alex is an early partner to this young company and is heavily involved in its technical and commercial development – REVYRE is currently ramping up production and will be processing 20,000 tonnes+ in the next 24 months.

Transition Technologies Limited – Director / Lead Engineer

02/2022 – present (Auckland, NZ)

TTL's goal is to become a world leader in sustainable science and technologies by facilitating, developing, and engineering new businesses and technologies that achieve practical change. Practical change is the term that describes technologies, processes, and businesses that achieve real change in areas such as emissions reduction, waste minimization, material & chemical processing without the pollution, all without sacrificing profitability. TTL leverages technical expertise to define the reaction kinetics and process mechanics that reveal hidden or critical value propositions in an existing business or new technology venture.

EnviroStrat – Lead Technical Analyst

02/2020 – 02/2022 (Auckland, NZ)

Envirostrat is a multidisciplinary organisation capable of bringing together complex science, economic, and commercial elements to create 'investable' impact opportunities, assist in its execution, and deliver evidence of positive impact. Alex is the engineering and technology lead and focussed on for practical change by leveraging his technical expertise coupled with a growing commercial insight and strategic financing awareness.

ROCKET LAB LIMITED – R&D Engineer

04/2016 – 08/2018 (Auckland & Mahia, NZ)

Tested and optimized multiple complex systems for qualification of efficacy and design intent for full spectrum aerospace and orbital launch vehicle design company. Conducted extensive analysis and structural characterisation of multiple systems. Prepared mathematical models of system's dominant or relevant mechanisms. Engaged in both mathematical modelling of mechanisms and computational modelling based on systems analysis.

- Development team for Electron 1-5 & Photon satellite bus
- Launch team for Electron 1-3
- Testing and development for Vehicle Team: battery/power pack development; gravimetrics test systems; high-vacuum test systems; ultra-high pressure gas & cryogenic systems.

Other Experience: Bancorp Corporate Finance (Financial Analyst), Fisher & Paykel Healthcare (Engineer), Sealegs International (Machinist/Fabricator)

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Alexander Hannon

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LEADERSHIP & AWARDS

SQUAWK SQUAD – Co-founder and Technical Lead

11/2016 – 12/2020 (Auckland, NZ)

Launched social enterprise dedicated to forward thinking, engaging and connecting New Zealanders in the protection and growth of native bird species. Devised methods to enhance participation in conservation efforts through real time engagement.

- Developed app to connect people with native bird sanctuaries, enabling collective investment in sensor-connected traps for sanctuary projects, fostering engagement by providing real time notifications of trap activation.
- Achieved approximately 250,000 NZD in fundraising to date, providing funding for four conservation projects, with ongoing fundraising initiatives.

Awards and Recognition:

New Zealand Innovation Awards 2017: Squawk Squad - Highly Commended for Innovation in Agribusiness and Environment

New Zealand Innovation Awards 2017: Rocket Lab - Bayer Supreme New Zealand Innovation Award and Innovation in Design and Engineering Award

New Zealander Of the Year Awards 2018: Finalist for Young New Zealander Of the Year Award

WWF Conservation Innovation Awards 2017: Conservation Innovation Award

EPSRC and MHI international Master's & Ph.D scholarship to the University of Cambridge

New Zealand Junior Black Sticks Squad 2013

North Harbour National Hockey League (NHL) 2015

Cambridge Blues Hockey Team (CUHC) 2018/2019

EDUCATION & CREDENTIALS

Master of Research in Future Power & Propulsion (Distinction), University of Cambridge, Cambridge, UK, 2019

Coursework highlights:

Energy systems, power generation technology,
Full spectrum design strategy for compressors, combustors, and turbines
Gas turbine aerodynamics and aerothermals
Combustion and thermoacoustics
Low emissions technology: Carbon, NOx, and Noise pollution
International policy, propulsion and energy market drivers
Experimental and computational methods for fluids, heat transfer, and combustion chemistry

Academic interests:

Cyclical economy processes, Industrial Biotech, Green Energy Tech, Energy Storage and Conversion technology.
Hydrogen and Green Fuels, Thermal Storage Systems, Space and Aerospace projects.

Bachelor of Engineering (1st Class Hons), specialty in Mechanical Engineering,

University of Canterbury, Christchurch, New Zealand, 2015

Honours Research Project on Transdermal Drug Delivery, in conjunction with the University of Ljubljana, Slovenia

Publications and Presentations:

Skin Electroporation: Test Cell Re-Configuration. The New Zealand Medical Journal 127(1396) 98

The development of active testing systems for transdermal drug delivery. Dunedin, New Zealand: D4: Devices for Diagnostics and Drug Delivery. 26-27 November 2014.