

Future Architecture
of the Network


TE WHATUNGAHIKO

FAN2025

Auckland, New Zealand

4th/5th February

Vision Mātauranga

- What is Vision Mātauranga?
- How does Vision Mātauranga relate to FAN?
- What are the Pathways to Impact?
- Vision Mātauranga: 2020 – 2024
- Vision Mātauranga 2024 



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What is Vision Mātauranga?

Unlocking the innovation potential of Māori knowledge, people and resources for the benefit of New Zealand

- **Indigenous Innovation: Contributing to economic growth through distinctive research and development**
- Mātauranga: Exploring indigenous and science and innovation
- Hauora/Health: Improving health and social wellbeing
- **Taiao: Achieving environmental sustainability**

What is Vision Mātauranga?

- Consider the relation of the research to the Vision Mātauranga themes and, **where relevant**, how the project will engage with Māori
- Māori-centred research: The project is Māori-led, uses Māori knowledge
- **Research involving Māori, Research specifically relevant to Māori**
- Research with no Māori component: No Māori involved and no use of Māori knowledge
- **Business enterprises, technology investors and end users**

How does Vision Mātauranga relate to FAN?

- Rural Māori businesses and communities rely on fragile electricity networks where outages and electricity costs are important issues...
- Build Vision Mātauranga capability of the Research team...
- Build the capability of Māori in science and innovation...
- Co-development of projects or products...
- Dissemination and Outreach...

Pathways to Impact

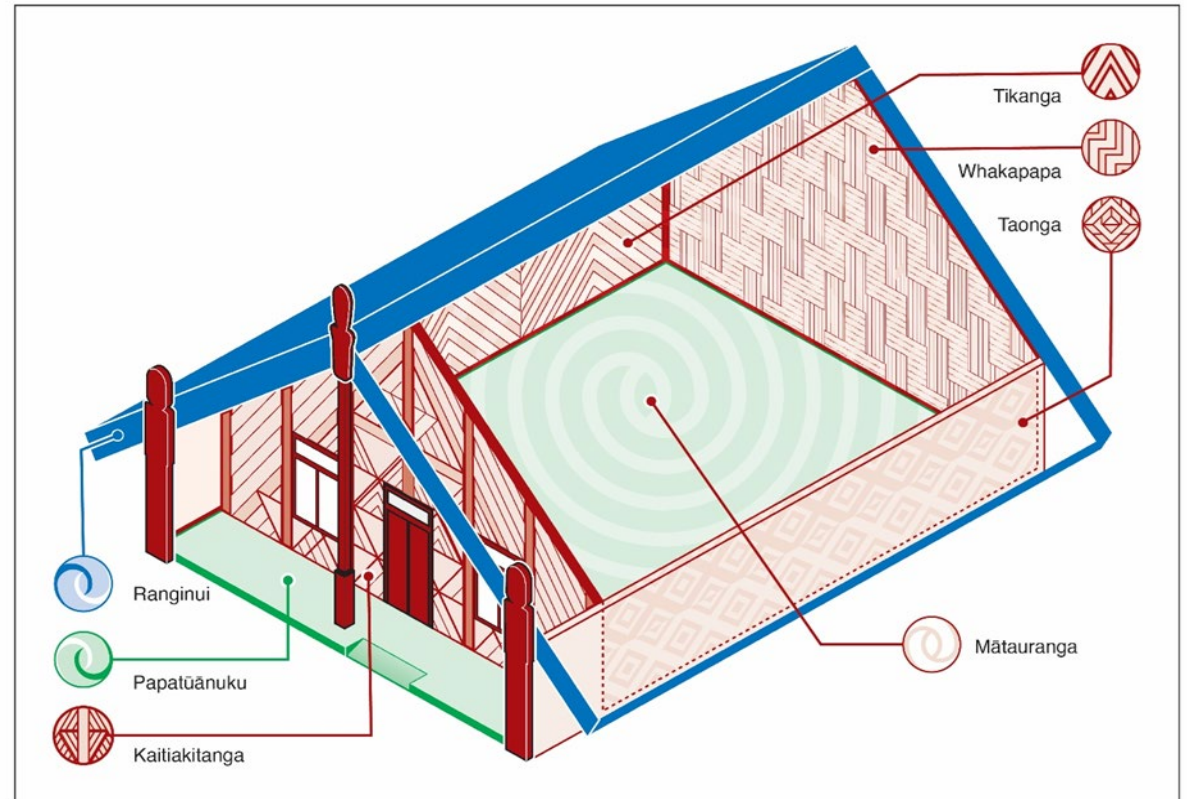
- Develop models, concepts and hardware for more efficient, resilient and self-sufficient DC microgrids
- Providing rural communities with new approaches to handle electricity generation, distribution and utilisation*
- Research team has increased capabilities in working with stakeholders and end-users*
- Increased capabilities of Māori in electrical and energy, science and innovation*

Vision Mātauranga: 2020 - 2024

- Mātauranga Māori workshop for all team members
- Summer project on inclusion of Mātauranga Māori in Power Engineering – survey with industry participants (Poster)
- Summer projects on developing artifacts for Otago Museum
- Development of relations with two Iwi in Fielding and in Porirua
- Development of Two 400 kW solar projects with storage (funded by MREF)
- Involvement with MBIE (MREF) on analysis and learnings from the project
- Hui with other Iwi (Taranaki and Whirinaki)
- Acknowledgement - Loss of our named Māori Partner Mr. Graham Everton who has been an active participant from Fielding Iwi.

Vision Mātauranga: 2024

Te Whare Mātauranga



Vision Mātauranga: 2024

Ahikā

- Ahi – fire
- Ahikā – burning fires of occupation...
symbolizes continuous occupation and
connection to an area
- Ahi-energy and community

