

Client Electricity Engineers' Association (EEA)



Client Need

EA Technology was tasked by the Electricity Engineers' Association (EEA) to conduct a literature review of the flexibility projects undertaken in New Zealand (NZ) and internationally. The aim of the scan was for EEA to create a digital interactive map of the flexibility initiatives for ready reference. This serves as a guide for the electricity sector as it transitions to clean energy.

Our Approach

EA Technology was able to identify around 50 flexibility projects for an initial presentation at an EEA workshop. This session facilitated input from stakeholders and industry partners, who contributed approximately 40 additional projects via a pre-designed 'data collection form'.

Comprehensive research was required to perform an extensive online review for project information, along with reaching out to several Electricity Distribution Businesses (EDB) requesting for further details. This thorough process allowed further identification of projects following the workshop, particularly in Europe.

We were able to score each project against four key focus areas to better visualise the information collected through RADAR charts for insights.

This comprised of,

1. Technology Development/Integration
2. Network Management
3. Customer Engagement
4. Market Design/Development

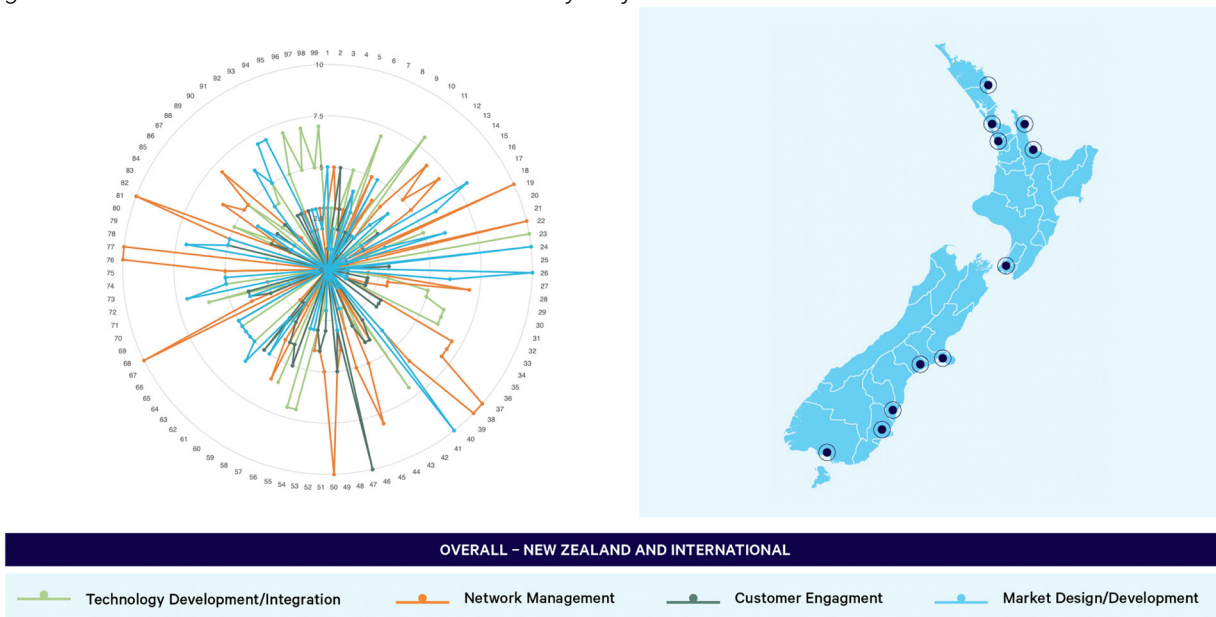
By conducting a collaborative process, EA Technology was able to ensure a more well-rounded, reliable understanding of flexibility projects worldwide.

Benefits

The report delivers key insights for EDBs, policymakers, and industry leaders in NZ. It documents flexibility projects locally and globally, providing valuable references for EEA and stakeholders. This high-level snapshot enables comparisons, identifying trends, best practices, and future opportunities.

EA Technology supports forward-looking planning, enabling organisations to make informed decisions and develop effective flexibility solutions that align with evolving industry needs.

Figure 1: RADAR Chart and Location of NZ Flexibility Projects



Why this is relevant to your project

EA Technology's expertise in research, data analysis, and industry collaboration ensures valuable insights for future energy projects. We can help organisations map out key trends, identify opportunities, and develop strategic plans for effective flexibility solutions. Our approach to processing and analysing industry information demonstrates how planning with EA Technology can drive future decision-making and innovation.

"This is a great initiative by EEA who is planning to convert these findings into an interactive digital map for the NZ industry. We have recommended the ways to review these findings at a regular interval and keep them relevant especially given the rapid rate of change taking place in this space."

Dr. Yogendra Vashishtha, Head of Future Networks, EA Technology Australia

"The EEA's flexibility scan highlights just how rapidly the energy landscape is evolving, both in New Zealand and globally. By identifying and sharing these initiatives, we're equipping the sector with the insights needed to scale smart, coordinated solutions that deliver value for consumers and the wider system."

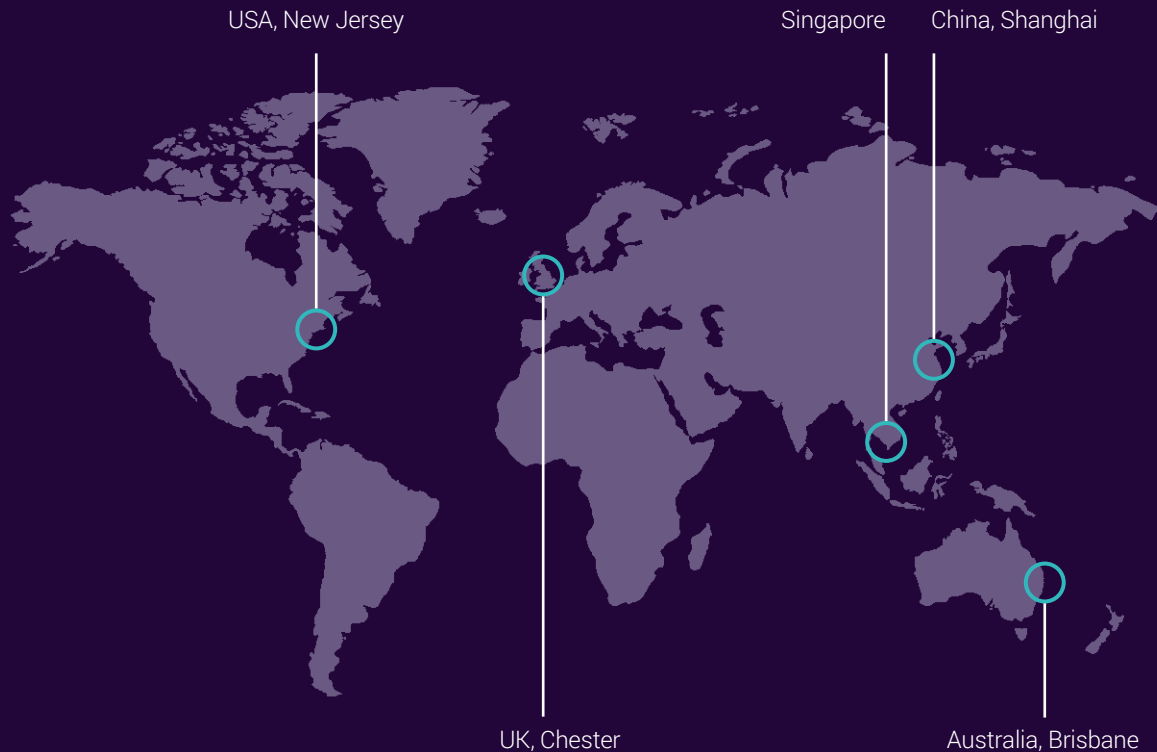
Dr. Stuart Johnston, Lead Advisor Engineering & Technical, Electricity Engineers' Association (EEA)



Explore the Flexibility Scan Project on EEA's website.

Global Footprint

At EA Technology we specialise in asset management solutions for owners and operators of power network assets.



Founded in 1966 we have over 50 years' experience in the industry and 5 regional offices around the world to support our global customer base.

We work with a lot of our clients on a long-term basis to help them safeguard their power networks.

We advise our clients on strategy and implementation of a range of technology solutions to manage power assets, delivering maximum life and minimise cost.



Safer, Stronger, Smarter Networks

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