



Electricity Engineers'  
Association

## Annual Power Engineering Exchange

APEX | 2024

POWERING THE FUTURE

WELLINGTON— 26<sup>TH</sup> NOVEMBER  
BLACK AND GOLD, 4 TARANAKI STREET, WELLINGTON

Professional Development Programme



8.30am	Registration — Arrival Tea and Coffee
8.50am	Welcome: <b>Nicki Sutherland, EEA Chief Executive</b> and <b>Harsharan Singh, Ventia: APEX Chair</b>
9.00am	<b>Leon Liang, WEL Networks</b> — Enhancing and Reinforcing LV Network visibility: Transformer Smart Meter
9.25am	<b>Nathan Miller, Ergo Consulting</b> — Industrial Decarbonisation via Electrification – The Cost of Information
9.50am	<b>Nicholas Davies, Beca</b> — Harmonics & Keeping the Grid in Tune: Reducing a Dissonant Crescendo within the Renewable Future
10.15am	<b>Zach Landon-Lane, Connetics</b> — Christchurch Red Zone Regeneration Project
10.40am	Morning Tea
11.00am	<b>Abigail Field, ElectroNet</b> — Hybrid Solar and BESS Plants - To DC or not to DC?
11.25am	<b>Christy Tom and Henry Bui, PowerNet</b> — Proactive Fault Detection with Smart Meters: Enhancing Public Safety and Network Reliability at PowerNet
11.50am	<b>Mitchell Davis, Orion</b> — Flexibility at Orion: EDBs Role in Demand-Side Flexibility
12.15pm	<b>William Thomas, Meridian Energy</b> — Developing Secondary System Upgrades: A Case Study of the Waitaki 110V DC Distribution Upgrade
12.40pm	Lunch
1.15pm	<b>Lydia Smith, Transpower</b> — Rules aren't made to be broken, but let's test the status quo.
1.40pm	<b>Matt Crawley, Marlborough Lines</b> — Single Wire Earth Return
2.05pm	<b>Vatsal Gajjar, Powerco</b> — Aeolian Vibration Trial
2.30pm	<b>Arno Knight, Ventia</b> — Building Resilience through technology
2.55pm	Afternoon Tea
3.20pm	<b>PANEL DISCUSSION</b>  Session Facilitator: <b>Emma Lloyd</b> , EEA Executive Committee Member / Intermediate Design Engineer — Connetics  <b>POWERING THE FUTURE</b>
4.20pm	<b>PRESENTATIONS</b>  Joint EEA / CIGRE Best APEX Presentation Award and People's Choice Award  <b>CLOSING COMMENTS: Harsharan Singh, APEX Chair</b>
4.30pm	Social Function
6.00pm	Close of APEX 2024 Summit



Northpower



TRANSPower

