

# Climate Tech examples in New Zealand

*Organised by emissions impact and sector contribution to New Zealand's climate footprint*

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## **1. Agriculture & Methane Reduction (NZ's largest source of emissions – over 48%)**

- Fonterra – In collaboration with AgResearch, working on 'Kowbucha', a probiotic solution to reduce methane emissions from cows.  
<https://www.fonterra.com/nz/en.html>
  - MethaneSAT – A global satellite project backed by the New Zealand government to track agricultural methane emissions. <https://www.methanesat.org/>
  - Ravensdown's EcoPond – Technology that reduces methane emissions from dairy effluent ponds.  
<https://www.ravensdown.co.nz/in-the-community/fonterra-invests-in-ecopond-pilot-to-reduce-on-farm-emissions>
  - Ruminant Biotech – Developing a methane-inhibiting vaccine for livestock.  
<https://ruminantbiotech.com/>
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## **2. Transport Electrification & Mobility (NZ's second-largest emissions sector – over 20%)**

- Hiringa Energy – Developing New Zealand's green hydrogen refueling network for heavy transport. <https://www.hiringa.co.nz/>
  - Kwetta – Grid-first EV fast charging for buses, trucks and cars. <https://kwetta.com/>
  - MEVO – New Zealand-based electric vehicle car-sharing company.  
<https://mevo.co.nz/>
  - Wisk Aero – Developing a self-flying, all-electric air taxi in NZ with Boeing's support.  
<https://wisk.aero/>
  - Zilch – A 100% electric vehicle car-sharing company. <https://www.zilch.nz/>
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## **3. Renewable Energy, Storage & Smart Electricity Systems (Critical enabler for decarbonisation across all sectors)**

- Aotea Energy – Smart home battery and optimisation software.  
<https://www.aoteaenergy.com/>
  - Basis – Advanced smart panels for residential energy. <https://www.wearebasis.com/>
  - Blackcurrent – Microgrid and DER Energy as a Service. <https://www.blackcurrent.io/>
  - Cetogenix – Converting organic biomass into energy. <https://www.cetogenix.co.nz/>
  - Ecotricity – Carbon-zero electricity retailer. <https://ecotricity.co.nz/>
  - Lodestone Energy – Large-scale solar farms. <https://lodestoneenergy.co.nz/>
  - Octopus Energy – Tech-driven electricity solutions. <https://octopusenergy.nz/about-us>
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#### **4. Carbon Capture, Forestry & Industrial Decarbonisation (*Combines land-based sinks, industrial emitters & CO<sub>2</sub> removal tech. Growing category essential for offsetting and industrial transformation.*)**

- Aspiring Materials – CO<sub>2</sub> removal using mineral-based tech. <https://www.aspiringmaterials.com/>
  - Captivate Technology – CO<sub>2</sub> capture from industrial streams. <https://www.captivatetechnology.com/>
  - Carbonscape – Biochar and carbon material from biomass. <https://carbonscape.com/>
  - Forest360 – LiDAR and GIS forest inventory and monitoring. <https://forest360.nz/>
  - Goodnature – Biodiversity-enhancing pest management tech. <https://www.goodnature.co.nz/>
  - Hot Lime Labs – Clean CO<sub>2</sub> production for greenhouse use <https://hotlimelabs.com/>
  - LanzaTech NZ – Converts waste carbon emissions into fuels and chemicals. <https://www.lanzatech.com/>
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#### **5. Circular Economy & Sustainable Materials (*Addresses emissions reduction by waste, construction, and material use*)**

- Humitech – Organic waste to compost and biofertiliser <https://www.humitech.co.nz/>
  - Mint Innovation – E-waste recovery through urban mining. <https://mint.bio/>
  - XFrame – Reusable, modular timber construction framing. <https://xframe.com.au/>
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#### **6. Climate Data, AI & Market Platforms (*Tracking, optimisation, and carbon market tools. Critical enabler for insight, behaviour change, and emissions transparency*)**

- Cogo – Carbon tracking fintech for consumers and businesses. <https://cogo.co/>
  - Open Country Dairy – AI-driven emissions monitoring. <https://www.opencountry.co.nz/>
  - Synlait – AI tools for on-farm emission tracking. <https://www.synlait.com/>
  - Toha – Blockchain-based carbon credit marketplace. <https://toha.nz/>
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#### **7. Other Industries & Emerging Innovations (*Smaller contributors or future potential – important but not yet systemically central*)**

- Goodnature – Biodiversity preservation and predator control <https://goodnature.co.nz/>

#### **Additions to consider:**

- Built environment energy efficiency (e.g., HVAC, building performance tech)
- Water and irrigation optimisation (smart tech in agriculture and urban water systems)
- Climate risk and adaptation analytics (resilience tools for infrastructure, land use)