

Powering Large-Scale Renewable Infrastructure.

Wambo Wind Farm is a large-scale renewable energy development in Queensland, Australia, delivering up to 506 MW of wind generation across two stages.

The project includes 83 turbines and is expected to generate enough electricity to power approximately 312,000 homes.

Developed by Cubico Sustainable Investments and Stanwell, the project required robust and reliable electrical infrastructure to manage variable generation, high power flows, and strict grid compliance requirements at both medium and high voltage levels.

Where Hiko Comes In

Hiko is the New Zealand distribution partner for Insulect and Sieyuan, bringing globally proven, utility-grade electrical solutions to local projects.

At Wambo Wind Farm, Insulect supplied a coordinated package of electrical infrastructure across both stages of the project, including disconnectors, post insulators, circuit breakers, and voltage measurement systems operating at up to 275 kV.

These solutions ensured safe switching, system protection, and accurate monitoring across the wind farm's electrical network, supporting reliable power transfer from generation through to the grid.

Through Hiko, New Zealand customers gain access to this same proven technology, backed by local engineering expertise, responsive support, and solutions tailored to project-specific requirements.

What this delivered

01

PROVEN PERFORMANCE AT SCALE

Successfully deployed across a multi-stage, utility-scale wind farm, demonstrating capability in complex renewable energy environments.

02

RELIABLE, HIGH-VOLTAGE OPERATION

Integrated MV and HV solutions provide dependable switching, insulation, and protection under demanding grid conditions.

03

REDUCED PROJECT RISK

A coordinated equipment package simplifies installation, reduces interface risk, and supports efficient commissioning across staged developments.

BRINGING GLOBAL EXPERTISE TO NZ

Wambo Wind Farm demonstrates what's possible when proven technology meets large-scale renewable delivery. Hiko works alongside developers, contractors, and network operators across New Zealand to deliver reliable, fit-for-purpose solutions backed by trusted global manufacturers.

For full technical details, visit the original Insulect case study:
insulect.com/projects/wambo-wind-farm



Project snapshot

PROJECT

Wambo Wind Farm, Queensland, Australia, 2024 - 2025

DEVELOPER

Cubico Sustainable Investments & Stanwell

CAPACITY

506 MW (two-stage development)

APPLICATION

Utility-scale wind generation

EQUIPMENT

Insulect / Sieyuan HV & MV substation equipment

OUTCOME

Reliable large-scale grid integration equipment



WANT RESULTS LIKE THESE?

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Email **sales@hikopower.co.nz**

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