

Sovereign Cloud for a Smarter Energy Sector

WHY THE DIGITAL TRANSFORMATION OF NEW ZEALAND'S ENERGY SECTOR REQUIRES MODERN SOVEREIGN CLOUD SOLUTIONS

New Zealand's energy sector is undergoing rapid transformation driven by decarbonisation, renewable energy integration, distributed energy resources, battery storage, increasing regulatory obligations, and growing data volumes. To remain resilient and competitive, energy organisations require technology platforms that are scalable, secure, and capable of supporting increasingly complex operations.

Cloud-first platforms provide the flexibility and performance needed to modernise critical energy systems. By combining Robotron's specialist energy software with TEAM Cloud's New Zealand-owned sovereign Oracle Cloud Infrastructure (OCI), organisations can accelerate digital transformation while maintaining security, regulatory compliance, operational resilience, sustainability, and data sovereignty.

Drivers for Cloud Adoption

Many New Zealand energy organisations are replacing legacy on-premises infrastructure with cloud platforms to improve scalability, resilience, operational efficiency, and innovation. Beyond traditional cloud benefits, organisations increasingly require assurance over where their data is stored, who governs it, and which legal jurisdiction applies.

For providers of critical infrastructure, sovereign cloud environments offer greater control, simplify governance, reduce exposure to foreign legal frameworks, and strengthen operational resilience.

Why Sovereign Cloud Matters

Data sovereignty extends beyond physical data location. Organisations increasingly seek assurance that their information remains under New Zealand governance and operational control.

This is particularly important for sectors managing sensitive customer and operational data. While the Privacy Act 2020 permits offshore hosting, organisations remain responsible for protecting personal information and ensuring appropriate safeguards. Locally governed sovereign cloud environments can simplify compliance while reducing risks associated with foreign legislation, geopolitical uncertainty, and cross-border service dependencies.

Robotron addresses these requirements with TEAM CLOUD as a New Zealand owned and operated sovereign cloud platform powered by Oracle Cloud Infrastructure, providing:

- New Zealand-hosted infrastructure
- Compliance-focused architecture
- Local governance and operational control
- Support for jurisdictional sovereignty
- Enhanced data residency options
- Local technical expertise and support

The result is hyperscale cloud capability combined with the governance and transparency increasingly required by New Zealand organisations.

Sustainability and Operational Excellence

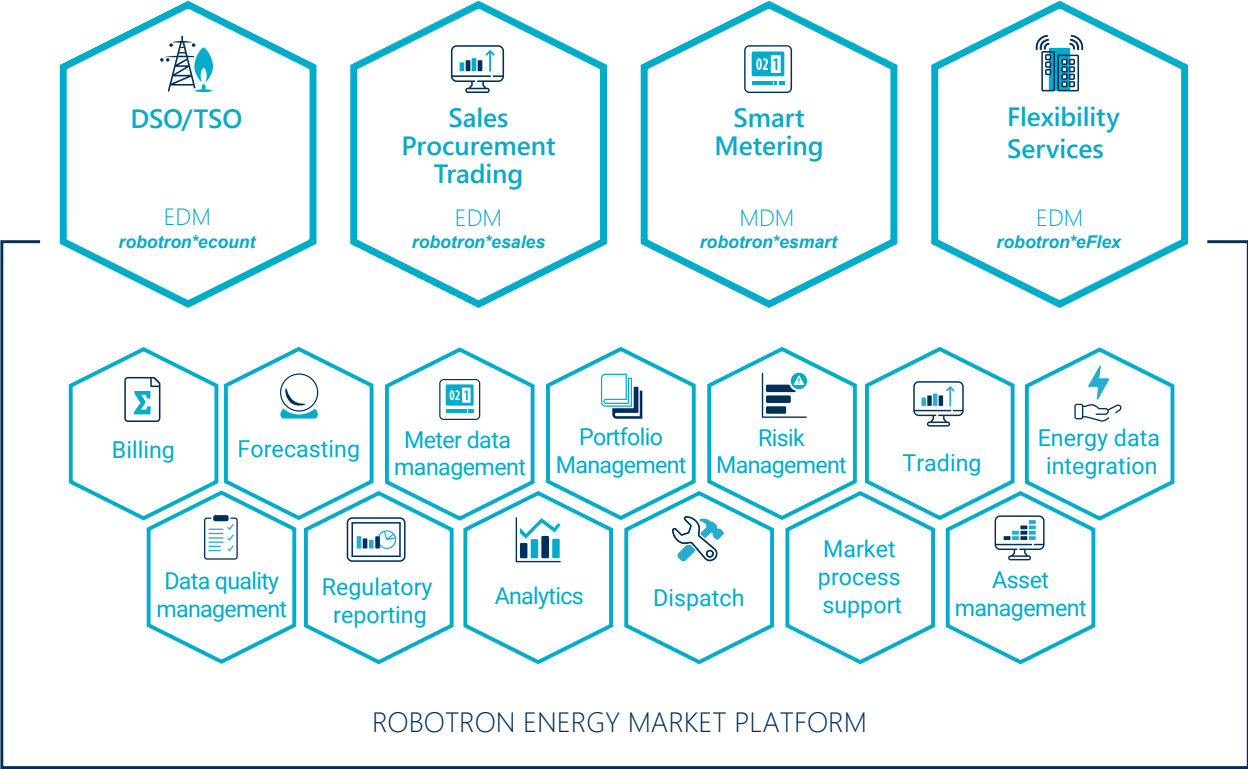
Sustainability has become a strategic priority across the energy sector. Robotron and TEAM Cloud supports environmental, social and governance (ESG) objectives through carbon net-zero certified New Zealand data centres, energy-efficient OCI technologies, automated resource optimisation, and dynamic workload scaling.

Cloud automation further improves operational performance through automated provisioning, policy-driven governance, lifecycle management, and security automation. These capabilities reduce operational complexity while improving consistency, resilience, and deployment speed.

Robotron's Energy Expertise

Robotron brings decades of experience delivering specialised software for energy retailers, distribution companies, metering providers, and other market participants.

Its cloud-based SaaS solutions support critical capabilities including:



Robotron's solutions also integrate with modern edge computing environments, enabling organisations to connect smart meters, sensors, distributed energy resources, battery storage, and renewable generation assets while supporting real-time operational monitoring.



The Combined Value of Robotron and TEAM Cloud

Together, Robotron and TEAM Cloud provide a secure, resilient, sovereign cloud platform purpose-built for New Zealand's energy sector.

The partnership enables organisations to:

- ▶ Modernise legacy applications
- ▶ Improve energy data management
- ▶ Support smart grid initiatives
- ▶ Integrate renewable generation and battery storage
- ▶ Deliver real-time analytics and forecasting
- ▶ Strengthen security, resilience, and disaster recovery
- ▶ Meet regulatory and governance requirements
- ▶ Reduce infrastructure complexity through SaaS delivery

By combining industry-specific software with locally operated sovereign cloud infrastructure, organisations gain a scalable platform that supports both current operational requirements and future market evolution.

Conclusion

The transformation of New Zealand's energy sector requires more than migrating infrastructure to the cloud. It demands platforms that combine energy expertise with security, governance, resilience, sustainability, and local operational control.

Robotron and TEAM Cloud provide this foundation through a modern SaaS operating model built on sovereign Oracle Cloud Infrastructure hosted and operated in New Zealand. Together they enable energy organisations to modernise critical systems, strengthen compliance, accelerate innovation, and confidently support the transition to a more connected, data-driven, and sustainable energy future.

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As of: 07/2026