NEC \Orchestrating a brighter world

Quantum Consultancy

Leverage our expertise to deliver optimised quantum solutions.

D-Wave

Overview

Quantum computing is an approach to calculation that uses principles of physics, computer science and mathematics to solve extremely complex problems very quickly.

NEC Quantum Consultancy leverages our international partner, D-Wave™ with industry-leading technology and 20+ years' experience.

We'll consult with you to understand your business problems and develop proof of concepts (POC), using the mechanics of annealing quantum computing to provide optimised solutions to meet your needs.

Using D-Wave's quantum scientists and their defined and mature engagement methodology, combined with the consultancy expertise of NEC, we'll ensure the delivery of an outcome is undertaken in the most efficient and cost-effective way possible.

Go from problem discovery through to production implementation.

Key Business Drivers

1. Increase agility in decision making
2. Drive innovation.
3. Reduce OPEX.
4. Gain competitive advantage.

Benefits

Optimised operations

Optimising complex problems can create business and financial efficiencies, reducing time and effort, and provide benefits across the entire value chain. This includes Product Design & Development, Planning & Procurement, Manufacturing Support, Distribution & Logistics, Sales & Marketing, and Customer Experience.

Leverage expertise

You don’t need to be the expert. D-Wave has 20+ years in developing and delivering quantum compute solutions to international customers. If QC applies to the discovered business problem, data scientists will formulate the business problem into a technical solution.

Problem discovery

Our team of experts and partners will help you explore the right use cases for your business. The result will be an identified problem with potential business benefit from the use of hybrid quantum technologies.

Proof of concept

We'll work with you to take the problem identified as most suitable and map that problem to run on the Leap™ cloud platform to test in real conditions. This includes guided hands-on training for your teams and access to Leap™.

Proven methodologies

We have a defined and refined engagement methodology – across a set time and with set phases (discover, document, design, deploy) and have deployed 250+ applications across multiple industry sectors to solve known or unknown customer problems.

Flexible and scalable

The information model can be adjusted as requirements change, while the QC solution continues to process data. We’ll deliver a high ROI through a combination of fast and accurate business object modelling.

Why NEC ?

NEC are Australia-based and understand the requirements around data sovereignty and the need for security. We are experienced in the delivery of complex technical solutions – across public and private sector.

We are the sole re-seller of D-Wave's Leap platform in Australia with on-shore technical resources and support team. D-Wave is the only practical commercial quantum computing company with enterprise-grade technology that is production-ready

D-Wave have the largest programmable cloud-based system available today with 5,000+ qubits and 250+ examples of quantum-hybrid applications solving real-world problems now.

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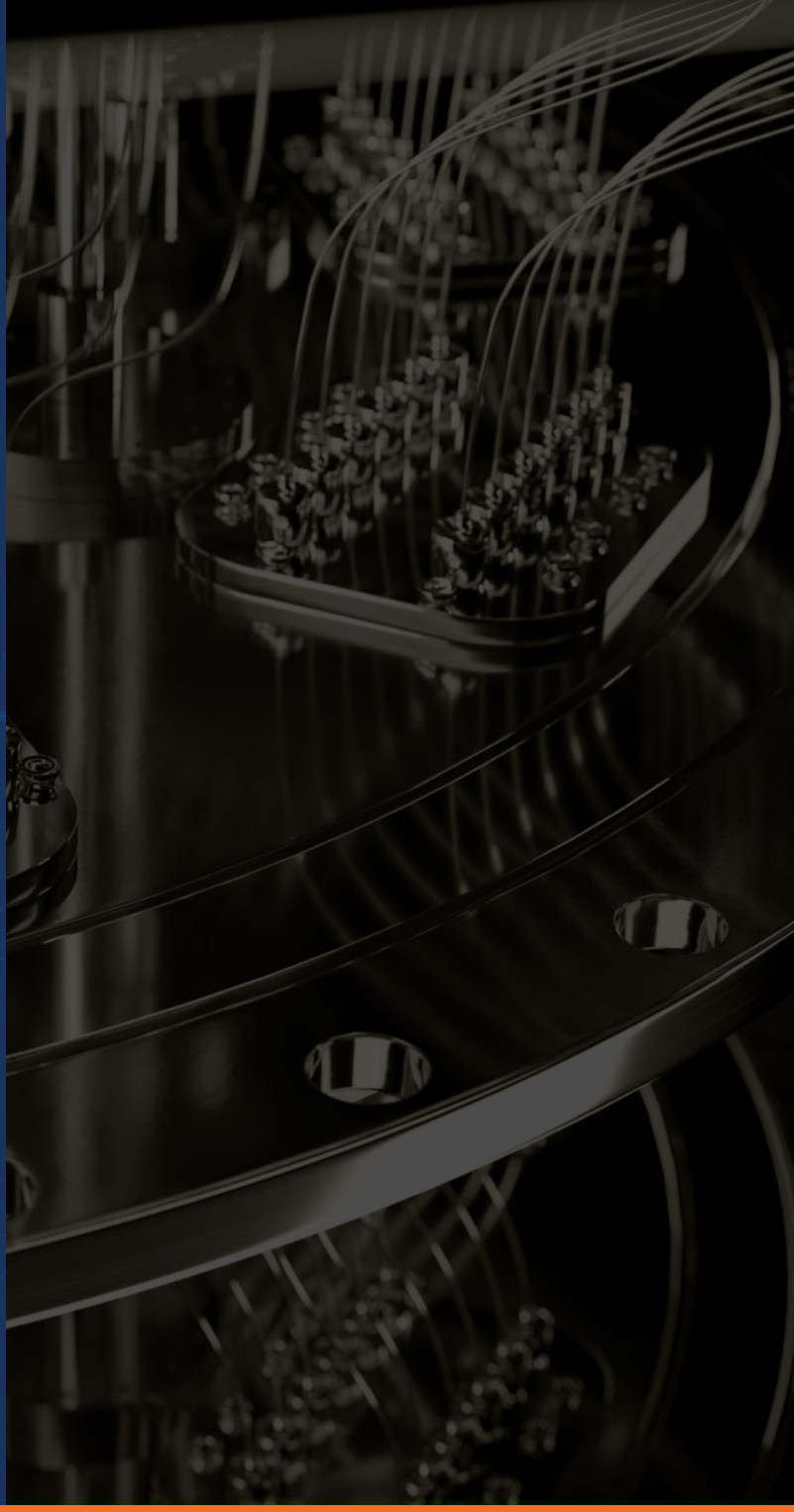

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