The Fujitsu team managed a complex project that delivered significant IT improvements, cost savings, positive environmental outcomes and showcases our unique PalmSecure technology.

Nick Brown
CIO
Fujitsu

The Fujitsu premises in Auckland became the first office in Oceania to implement PalmSecure access technology.

**At a glance**
- **Country:** New Zealand
- **Industry:** ICT
- **Founded:** 1980
- **Employees:** 700
- **Website:** www.fujitsu.com/nz

**Challenge**
Fujitsu’s business in Auckland had changed significantly during the two decades it had been in its original Auckland address. Staff were spread out across several small floors, a barrier to collaboration. The building also housed a large computer room with its own air conditioner, adding a considerable amount to the building’s energy consumption.

**Solution**
With a New Zealand Green Building Council 5 star rating, the new Auckland building achieves high levels of energy efficiency and supports Agile workstyles. Fujitsu planned the move to maximise environmental outcomes, including shifting IT to a dedicated data centre environment.

**Benefits**
- Energy savings equivalent to the average annual energy use of 56 NZ households
- 64% reduction in energy and savings of 24 tonnes of CO2e annually
- More than 8,250kg of eWaste diverted from landfill
- A showcase location that demonstrates Fujitsu’s PalmSecure technology and commitment to flexible working
Customer

Fujitsu New Zealand is a leading service provider of business, information technology and communications solutions. As one of the largest ICT companies in the New Zealand marketplace, we partner with our customers to consult, design, build, operate and support business solutions.

Products and Services

- Project management to relocate ICT services and 200 staff members with no service interruption, and minimising office ICT footprint to deliver security, reliability and environmental outcomes.
- Sustainability leadership that reduced energy consumption and ensured zero eWaste to landfill while moving to the 5-star Green Building Council rated building.

Rationalising and recycling onsite IT

The Fujitsu project team worked with the business and customers to identify devices in the onsite computer room that could be virtualised or decommissioned. More than 150 individual devices were decommissioned – 33 servers, 24 storage devices and more than 60 pieces of networking equipment were removed from service, with the remainder consolidated into a third-party data centre facility.

“Fujitsu extended our secure inter-office network to a third-party data centre facility in New Zealand. The availability of all IT services was maintained during the relocation to minimise the impact of the relocation to our customers and staff, who can now enjoy a service that meets all their standards of security and availability – as well as energy efficiency”. Nick Brown, Fujitsu Oceania CIO.

The project team ensured Fujitsu’s policy of zero eWaste to landfill, in place since 2009, was observed. In all, an impressive 8,250kg of ICT equipment – more than 40kg per employee at the site – was diverted from landfill and recycled onshore in New Zealand. This recycling reduces GHG emissions by more than 2.3t CO2e and diverted more than 48.8kg of toxic metals from landfill (according to the Basel Action Network e-stewards methodology).

Energy and Environmental Savings

An annual saving of more than 398,406 kWh has been achieved – equivalent to the annual energy use of 56 homes. Taking into account both new Fujitsu premises – an office in the Victoria Park area and a warehouse in Mount Wellington – and the outsourced data centre, the first quarter of occupancy in the new sites have delivered an impressive 64% in reduction in total energy use, representing dollar and emissions savings. In New Zealand we proudly procure our power from Meridian Energy, who only generates electricity from renewable sources such as wind and hydro power.

Improved recycling arrangements are also in place at the Auckland office, with employees having colour-coded bins to divert co-mingled waste, organic and electronic waste from landfill. Currently more than 52% of general waste (not including eWaste) is diverted from landfill and we aim to improve in future. Fujitsu operates an ISO14001 certified Environmental Management System to control environmental impacts and publishes an annual Responsible Business Report.

A technology showcase

The Auckland office became the first office in Oceania to implement PalmSecure access technology. PalmSecure is Fujitsu’s biometric authentication technology based on palm vein pattern recognition, shown to be one of the most accurate biometric authentication solutions.