

MEETING THE GERSHON CHALLENGE

RECOMMENDATION 7 – SUSTAINABILITY OF ICT

QUICK START SERVICE: GREEN DATA CENTRES

Government agencies need to better align their plans for managing ICT with the Government's sustainability agenda. To do this agencies must more actively consider environmental factors as part of their ICT purchasing.

The Gershon review has highlighted some of the truths that face the ICT industry as a significant contributor to unavoidable climate change. The key issues regarding data centres are power, capacity and inadequate facilities. As a result, the Gershon review has made a call to action.

Fujitsu recognizes that environmental protection is a vitally important business issue. By utilising our expertise in the IT industry and our creative talents, we seek to contribute to the promotion of sustainable development. In addition, while observing all environmental regulations in our own business operations, we are actively pursuing environmental protection activities and have developed the Green Policy 2020.

The vision is:

- Fujitsu aims to reduce carbon emissions in Japan by 30 million tons annually by 2020 through the provision of advanced, energy-efficient technologies and solutions, thus contributing to lowering worldwide greenhouse gas emissions
- By 2020, Fujitsu seeks to offer world-class overall energy efficiency in all of its business areas (software and services, hardware, electronic devices, others).
- To address every area of the Leadership Declaration of the Business and Biodiversity Initiative, with specific initiatives underway before 2020.

In all our activities and throughout Fujitsu we are deeply committed to safeguarding the environment - now and for future generations. The key principals of the Fujitsu Environment Policy include:

- Reduce environmental impact throughout the product lifecycle;
- Conserve energy and natural resources;
- Practice reduce/reuse/recycle approach to create best-in-class eco-friendly products;
- Reduce risks to human health and the environment from the use of harmful chemical substances or waste;
- Help customers reduce environmental impact and improve environmental efficiency through our IT products and solutions;
- Disclose environment-related information on our business activities, products and services; and
- Encourage employees to work to improve the environment

OUR CREDENTIALS

- Fujitsu holds worldwide integrated ISO14001 certification. This certification also requires that an EMS, which meets the Fujitsu environmental standard, is implemented in all non-manufacturing facilities.
- Dow Jones Sustainability World Index: Fujitsu has been selected as a member of the industry category for 9 years in a row.
- FTSE4GOOD Index: selected as a member for 5 years in a row
- Fujitsu is a member of the Green Grid, Climate Savers and the Green IT Promotion Council and was selected as “The TOP 12 Green-IT Vendors” by Computerworld.

HOW CAN FUJITSU HELP?

ABOUT FUJITSU DATA CENTRES IN AUSTRALIA

Fujitsu's data centres are purpose built and designed to reduce greenhouse gas emissions and operational costs, with the savings passed onto its customers.

A range of state-of-the-art industrial infrastructure for efficient power management, cooling and metering is used at all Fujitsu data centres.

- Closed loop cooling systems reduce the amount of water needed to maintain a facility at an industry standard of 23 degrees Celsius at 50% humidity, by 80%, and consumes almost a third less energy.
- Auto-sensor motion controlled lighting systems that only switch on when needed are used at the data centres, reducing usage by up to 60 %.
- Fujitsu data centres are proactively managed at each centre from a central location. The building control management system allows for monitoring and adjustment of power consumption around the facility in real-time. The data centres will also feature metering techniques to aid clients in meeting reporting requirements under the National Greenhouse and Energy Reporting Act 2007.
- Power consumption, cooling, power usage effectiveness (PUE), data centre infrastructure efficiency (DCIE) and emissions are recorded and tracked in preparation for future carbon accounting and reporting requirements, as well as for effective power management.

DATA CENTRE INVESTMENTS

In line with our strategy for growth Fujitsu is executing a number of projects to provide Tier 3, ASIO T4 Realistically Green Data Centre services. Capital Investment including:

- Refurbishment and construction of a new data centre facility at Figtree Drive, Homebush in Sydney, 2008
- Commissioning of a purpose built Queensland Data Centre in Brisbane, 2006
- Expansion and power upgrades for our Victoria Data Centre, 2007 ongoing
- Expansion of our WA Data Centre capability in Perth , 2008 – 2009

FUJITSU GREEN INITIATIVES

Fujitsu's approach to Data Centre design gives consideration to our Green Policy and Kyoto Protocol - sustainability and reduction of greenhouse emissions. The following technology and techniques are applied in line with the theme - "Realistically Green":

- Hybrid Cooling Techniques
- Advanced Power Management
- Recycle and Reuse of Water & Paper
- Effective Space Management & Thermal Management
- Magnetic Driven Compressors with Variable Speed Motors
- ECO Friendly Materials

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ABOUTFUJITSU

Fujitsu Australia and New Zealand is a leading service provider of business, information technology and communications solutions. Throughout Australia and New Zealand we partner with our customers to consult, design, build, operate and support business solutions. From strategic consulting to application and infrastructure solutions and services, Fujitsu Australia and New Zealand have earned a reputation as the single supplier of choice for leading corporate and government organisations. Fujitsu Australia Limited and Fujitsu New Zealand Limited are wholly owned subsidiaries of Fujitsu Limited (TSE: 6702).

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