

CASE STUDY HOSPITALITY HOTEL JEN



Catering to urban adventurers, the Hotel Jen brand delivers quality, comfort and value with a playful twist and friendly service.

A HIDDEN JEN

A hub of chic comfort in the heart of Brisbane's CBD, Hotel Jen Brisbane caters to discerning domestic and international travellers alike.

With over 77,000 guests during their 12-month assessment period Hotel Jen needed to be innovative in finding additional solutions especially with a building that has been part of the Brisbane sky line since 1986.

Under the leadership of their EcoBiz champion Chief Engineer Thomas Sheridan, the hotel achieved two-star ecoBiz certification by maintaining existing actions and implementing new sustainable practices.

SUSTAINABILITY IS HERE TO STAY

Hotel Jen have excelled in improving their sustainability efforts across their energy and water usage by implementing the following:

- Replaced old, 1,200kW Direct online start chiller with a high efficiency 900kW variable speed machine.
- Installed variable speed drives on the cooling tower fan and pumps to achieve better flow rates and save energy.
- Installed a building management system to monitor and record power /water consumption and view real time data.
- Developed a check list for the site-specific air conditioning units to identify areas where energy is being wasted.
- Installed timers on kitchen equipment and exhaust fans to operate during usage hours only
- Major lighting retrofit of all rooms from 50W Halogens to 7W LEDs.
- Identifying infrastructure common faults and leaks, monitoring and implementing changes in a cost-effective way with minimal disruption to guests and services.
- During times of comfortable outside ambient air temperature natural cooling methods are used.

HOTEL JEN

Brisbane City hotel providing quality, comfort and value now with a sustainable outlook.

ACTION PLAN HIGHLIGHTS

- Reviewing power factor correction to reduce maximum demand charges
- Installing efficient equipment, timers and lighting
- Reviewing facilities management practices
- Retrofitting to dual-flush toilets and bathrooms with water efficient shower heads and taps

SAVINGS





LOOKING AHEAD

Hotel Jen's efforts haven't stalled either with a number of plans still in place moving forward to further their savings:

- Installation of a second low load chiller with backup cooling towers and pumps.
- Installation of a chiller optimization control program
- Continued LED replacement.
- Installing and maintaining efficient Refrigeration equipment.
- Installing timers on hot water devices.
- Ongoing staff training on best practices for usage of water and building equipment.
- Installing a solar powered sauna and hot water system.

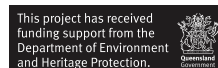
ECOBIZ PARTNERS

Hotel Jen are recognised through the CCIQ ecoBiz program as two star partners for their commitment and efforts to reducing their energy and water consumption!



THE ECOBIZ TEAM IS ALWAYS
AVAILABLE TO HELP YOU.

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