

Monitoring-Led Energy Savings

CUSTOMER PROFILE

Sofitel Brisbane Central

- 416 luxury accommodations
- 11 conference rooms
- 95m tall building
- 17% potential increase in electricity costs

CHALLENGE

Sofitel Brisbane faced a looming cost increase and poor power quality.

- **Suboptimal power factor** of 0.89, was leading to energy inefficiencies
- **New tariff structure** proposed by the network, threatened a 17% hike in electricity costs
- **High energy usage** from unoptimized 2–3-day maintenance cycles on systems, including HVAC, lighting and elevators
- **Limited real-time visibility** into power quality data

SOLUTION & RESULTS

Edge Zero's Monitoring Platform provided actionable insights that drove immediate impact:

- **Power factor and load optimization** made possible by Edge Zero monitoring delivered \$21,336 of savings during year 1 and more than \$100,000 to date
- **Enabled increased electrical capacity** without new infrastructure and reduced maintenance frequency, saving an additional \$7,000 in the first year
- **Supported carbon tracking** for sustainability reporting

AT A GLANCE

Challenges

- Low Power Factor
- Increasing Energy Costs
- Limited Real-Time Visibility
- High Energy Usage

Benefits

- Savings > \$100,000 AUD
- Payback Period of 1.8 Years
- Power Factor Increase from 0.89 to 0.98

The multi-faceted benefits of Edge Zero monitors for hotels are undeniable.

In addition to cost savings from reduced energy usage and optimized maintenance schedules, hotels can establish a baseline for measuring sustainability metrics and track the success of environmental initiatives, ultimately aligning with corporate and brand goals related to managing carbon emissions.