

RAISING THE BAR ON SUSTAINABILITY



Alexandra Point, a 24-storey office building located along Alexandra Road, has come a long way in its sustainability journey since it was completed in 1992.

In recent years, the building had undertaken a series of green retrofits to upgrade its chilled water system, air handling units (AHU) and lifts algorithm, and the whole lifecycle of the equipment in optimising the resource efficiency of the building. This resulted in higher energy and water savings of more than 1,162,000kWh/year and 30,000m³/year respectively.

Besides receiving the BCA Green Mark Platinum certification, Alexandra Point was also listed as one of the top 10 best performing private office buildings in BCA's Building Energy Benchmarking Report in 2015 and 2016.

SUSTAINABLE FEATURES

Various initiatives have been introduced and monitoring systems have also been put in place to

reduce and track energy consumption at Alexandra Point. To conserve energy, the building uses LED lights in common areas, motion sensors at the carpark, toilets and stairways, and adopts a lighting schedule.

Smart meters provide real-time continuous remote monitoring of the chiller plant's performance. This facilitates maintenance and ensures optimum efficiency of the chiller plant system. Smart monitoring of the water quality in the cooling tower also improves water efficiency, reduces maintenance cost and extends the lifespan of the cooling tower.

Alexandra Point uses NEWater for its cooling tower and irrigation to reduce the usage of potable water. Water-efficient fittings that are rated "Excellent" under PUB's Water Efficient Labelling Scheme (WELs) and waterless urinals are also installed in all toilets.

To enhance the health and well-being of building occupants, carbon dioxide (CO₂) sensors are installed and integrated with the building management system to maintain the level of fresh air. Singapore Green Label certified (SGLS) product Gelair is also used in all AHUs to improve indoor air quality and energy efficiency.

To walk the green talk, Frasers Centrepoint Limited's offices at Level 15, 16 and 21 of Alexandra Point



have been certified with the BCA Green Mark Office Interior GoldPLUS from 2017 to 2021. The office uses energy-efficient lighting and air-conditioning systems, water-efficient fittings, recycling facilities and 'Energy Star'-labelled office equipment.

ENGAGING TENANTS

In addition to its sustainable features, the building management team collaborates with Alexandra Point's office tenants to adopt environmentally-friendly practices where possible.

Educational green talks, guides and posters promote resource conservation and recycling among staff and tenants. Recycling and e-waste bins are also conveniently placed at the lift lobbies to encourage recycling.

Lastly, customer satisfaction surveys are conducted yearly as part of ongoing efforts to foster partnership with stakeholders to drive greater environmental sustainability for the building. 🟢

Architect: RSP Architects Planners & Engineers

M&E Engineer: Squire Mech Pte Ltd

Structural Engineer: RSP Architects Planners & Engineers

Quantity Surveyor: Davis Langdon and Seah

Main Contractor: Reliance Contractors Pte Ltd

Landscape Consultant: Garden & Landscape Centre Pte Ltd

ESD Consultant: Kaer Pte Ltd