



High Comfort + Low Energy

- 01 External shading screens and overhangs to limit sun into the spaces in summer
- 02 Performance glass to mitigate solar heat gain in summer to lower energy consumption of the air-conditioning system
- 03 Blinds provided to building users to manage any potential glare
- 04 Openable windows and doors to occupants for comfort and ventilation
- 05 Energy and water efficient air-conditioning plant
- 06 Naturally ventilated basement to eliminate the use of energy-intensive fans
- 07 Chilled water piping embedded into the concrete slabs to provide a stable comfortable environment throughout the year inside the building
- 08 Energy efficient and digitally-controlled lighting to ensure that lighting energy consumption is minimised while maintaining adequate levels of light quality
- 09 Temperature sensors to monitor the thermal comfort in the spaces
- 10 Rooftop solar PV array generates electricity to reduce reliance on mains electricity

Wellness + Green

- 01 Site and building designed to not have any light that is directed into the night sky to avoid negative impact on nocturnal animals and improve visibility of the stars
- 02 Efficient structural support system designed and implemented for the atrium roof when compared to a conventional steel atrium roof to reduce the overall embodied carbon of the atrium roof
- 03 External views for building occupants to have a visual connection to the external environment
- 04 Acoustic baffles installed to ensure that people hear and understand each other
- 05 Parking spaces for motorcycles and scooters to promote the uptake of more fuel-efficient transportation
- 06 Electric vehicles parking spaces and charging points
- 07 Interior finishes selected to avoid indoor pollutants from materials that are often present in paints, adhesives and sealants
- 08 Water efficient taps, showers and toilets installed that use less water
- 09 Rainwater capture and storage for re-use for toilet flushing and irrigation
- 10 Cyclist facilities provided with bicycle parking stations for staff, students and visitors to reduce carbon emissions by motor vehicles
- 11 Reinforcing steel with recycled content used in the construction of the building to reduce its carbon footprint
- 12 Reduced cement content in the concrete used during construction without reducing the strength of the concrete to reduce the carbon footprint of the building
- 13 Waste management during construction to divert construction waste from landfills
- 14 Designed to minimise greenhouse gas emissions from operational energy consumption by being more than 75% more efficient than the government national standard for energy efficiency
- 15 Built-in wooden furniture made with composite wood products with low formaldehyde emissions levels for a better indoor environmental quality