

Building Name: Intercontinental, Singapore
Address: 80 Middle Road, Singapore 188966

The award winning InterContinental Singapore showcases an unrivalled celebration of Singapore's rich heritage with its distinctive Peranakan architecture, elegant interiors and a contemporary tower for those who prefer to stay in colonial style rooms. On the other hand, this elegant architecture also features good energy efficiency, a fruit borne to the hotel management's determination and continuous efforts to bring about energy efficiency improvement and environmental impact reduction.

The InterContinental Singapore has good daylighting design in the lobby lounge area at 1st storey. Natural daylight goes through the skylight glass to reach the lobby lounge. In addition to lighting energy saving, it creates a natural and more comfortable environment for the guests. Besides, both dry bulb temperature and mean radiant temperature in the lounge area are within the acceptable ranges, ensuring that utilization of daylight has not compromised thermal comfort.



Cooling Towers are placed on

the rooftop area which has quite a large space for heat rejection. Round ducts are installed above the cooling towers which are connected to fan motor and heat can be



rejected fully without occurrence of short air circle. Therefore, the cooling tower operates quite efficiently, which also contributes to the overall efficiency of the chiller plant.

As in other air-con buildings, make-up air is induced into the building to maintain good indoor air quality for hotel occupants. The outdoor air provided in guest rooms ranges from 17 to 27 litres per second per room, which is well above the acceptable level of 15 litres per second per room

in CP13. Besides, all thermal comfort parameters in the hotel satisfy the requirements as stipulated in the Energy Smart Hotel Technical Guide.