

Building Name: HP Sales Building, 450 Alexandra Road

Address: 450 Alexandra Road

HP Singapore has been able to save more than 16 GWh of electric energy for our operations here (12 sites altogether) thanks to a comprehensive energy conservation programme by HP's Real Estate and Workplace Services (REWS) Function that is strongly supported by management. The energy savings translates to an equivalent of 11,000 metric tonnes of CO₂ and enough energy generated for the consumption of 6,000 households living in five-room flats for five years.

The HP Sales Building has a number of energy-conservation features which have helped contribute to HP being awarded the NEA Energy Smart Office Label. These features are:

- 100% high efficiency electronic ballast – which is about 30% more efficient than conventional magnetic ballast.
- 100% windows with sun shade
- BAS control lighting (car park, compound and lamp posts)
- Office lighting switch-off – by operation technician and security officer.
- Chiller optimization – demand based morning start up by temperature control instead of timer control.
- BAS control air conditioning equipment start up and shut down.
- BAS energy trending – ensuring energy consumption is within the control and identifies any saving opportunities.
- Air con operation hour standardization – to minimize unnecessary wastage.
- VSD for AHU/exhaust – demand base part load operation



Besides prudence in energy usage, HP's energy conservation programme also ensures that the air quality in office spaces falls within the stipulated requirements.

The Energy Smart Office label is an even greater achievement for HP, considering that the HP Sales Building is a relatively old commercial building which went through its last major revamp for critical equipment back in 1995. But with the efforts of the HP REWS team to implement and sustain good energy conservation practices, the HP Sales Building has been able to achieve what many commercial buildings are still aiming for in terms of energy consumption efficiency.