

Jakarta Case Study (EECCHI)

Energy Efficient Office Retrofit

Energy Design by IEN Consultants



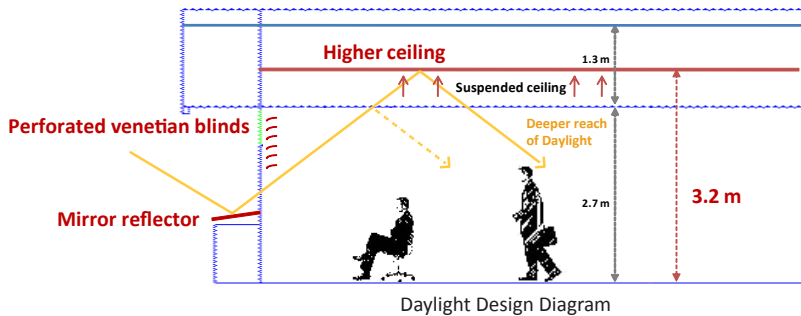
Before Retrofit

- Blinds down
- Lights on
- Central cooling system
- No fresh air control
- Facade not air tight
- Single glazing



After Retrofit

- Natural light enters
- Lights off
- Efficient VRF cooling system
- Demand ventilation (CO₂ sensor)
- Air tight facade - quiet inside
- Extra pane of clear glass added





ST Diamond Building, Putrajaya

1st Green Mark Platinum & GBI Platinum Certified Building

Photograph by ACICC Malaysia Sdn Bhd

IEN Consultants
#1 Green Building Consultants in Asia

Build Green



KLIA2 Airport, Kuala Lumpur
LEED Gold & GBI Gold Rated Building



Ministry of Works HQ, Kuala Lumpur
GBI Platinum Rated Building





Energy Simulations

Daylight Simulations

CFD (Computational Fluid Dynamics)
Simulations

Green Building Rating



-  Green Low Carbon Buildings is the answer to the environmental challenge for the building sector
-  Green buildings cost only 5 – 10% more in construction, they are more valuable when built and they are therefore also the sustainable choice from a business point of view.
-  IEN Consultants Sdn Bhd has a 10-year track record in Malaysia of providing comprehensive consultancy on low carbon green building design, and green building certification using GBI, Green Mark, LEED and BREEAM.
-  IEN Consultants Sdn Bhd assists you in developing a green building that meets the environmental targets at lower investments, and that reduces energy consumption by 50 – 100%.

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