

PRE-FEASIBILITY STUDY SUMMARY

OVERVIEW

**Client:** Administration  
**Location:** Dakao ward, HCMC  
**Type of building:** Office building  
**Construction year:** > 100 years  
**Operation pattern:** Office use (from Monday to Friday evening, 8:00AM to 6:00PM), with archives rooms



ENERGY CONSUMPTION

**Annual Consumption:** 490 MWh (2015)

**Main Usages:**

- Chillers and associated technical systems (AHU, pumps, cooling towers) for the air conditioning;
- Lighting system for offices;
- Others

**Tariff Structure<sup>1</sup>:**

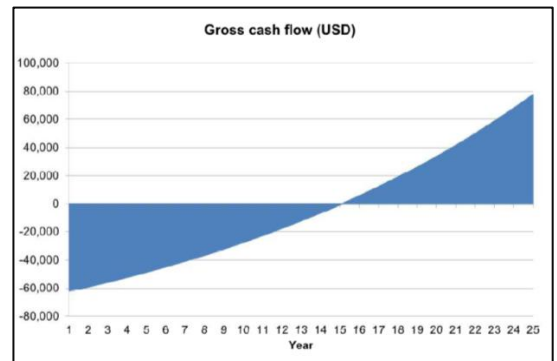
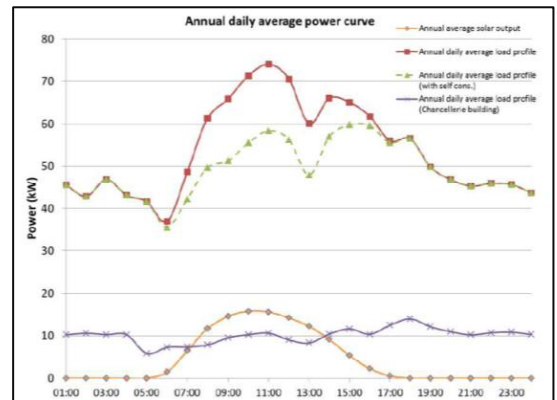
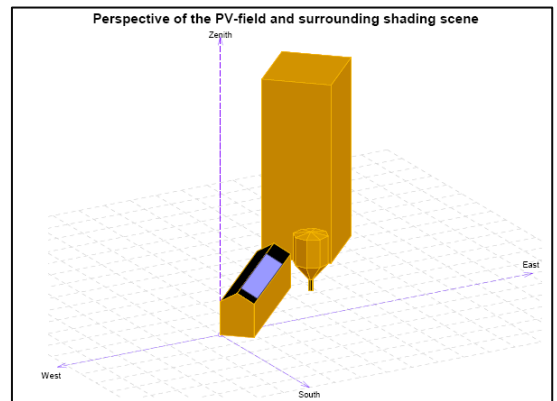
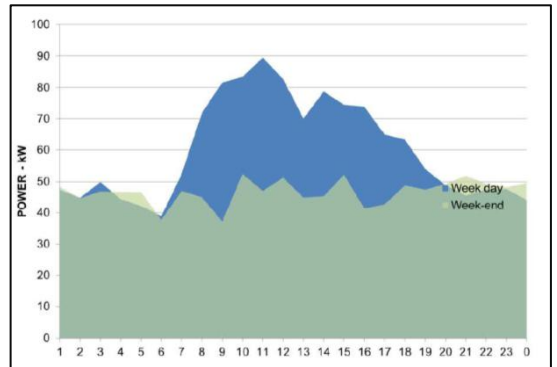
- Peak hours: 1,571 VND/kWh (7.0 US c/kWh)
- Normal hours: 1,571 VND/kWh (7.0 US c/kWh)
- Off-peak hours: 1,571 VND/kWh (7.0 US c/kWh)

SOLAR PV SYSTEM

**Size:** 32.5 kW peak  
**Energy yield:** 1,225 kWh/kWp/year  
**Annual production:** 40 MWh  
**Annual degradation:** 0.8%  
**Grid displacement:** 7.8%  
**Investment cost:** US\$ 65,000  
**Payback:** 15.0 years

**Description:**

- The PV system proposed is a building-tied with no battery storage
- Full self-consumption on site
- The PV panels are mounted on the tilted roof (tiles)



For more information, please contact [solarhub@dragoncapital.com](mailto:solarhub@dragoncapital.com)

<sup>1</sup> Normal hours: Mon-Sat 04h00 - 09h30; 11h30 - 17h00; 20h00 - 22h00. Sun 04h00 - 22h00  
 Off-peak hours: Mon-Sun 22h00 - 04h00  
 Peak hours: Mon-Sat 09h30 - 11h30; 17h00 - 20h00