

PRE-FEASIBILITY STUDY SUMMARY

OVERVIEW

Client: Food processing
Location: Dong Nai province
Type of building: Industry warehouse
Construction year: 2014
Operation pattern: Mon-Friday: 06:00 – 21:00, 1hr lunch
 Sat: 06:00 – 14:00; Sun: off

ENERGY CONSUMPTION

Annual Consumption: 966,100 kWh (08M2016)

Main Usages:

- Processing lines
- Pumping and compressed air system
- Chillers and associated technical systems (AHU, pumps, cooling towers) for the air conditioning of the factory
- Lighting system for production and offices

Tariff Structure¹:

- Peak hours: 2,637 VND/kWh (11.8 US c/kWh)
- Normal hours: 1,453 VND/kWh (6.5 US c/kWh)
- Off-peak hours: 934 VND/kWh (4.2 US c/kWh)

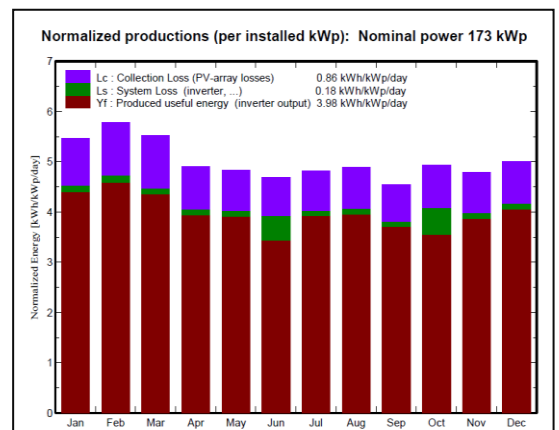
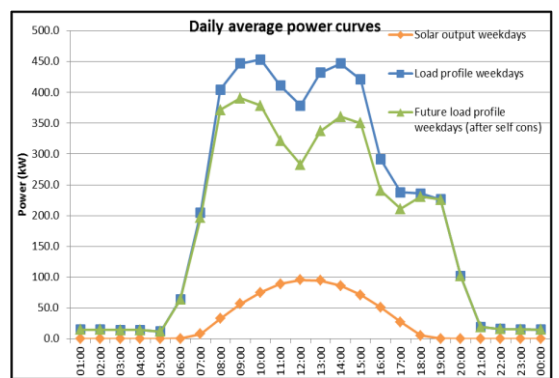
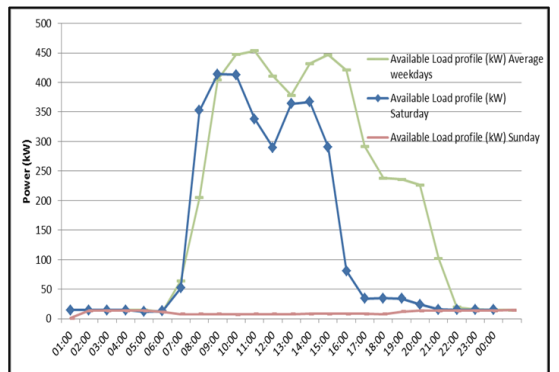
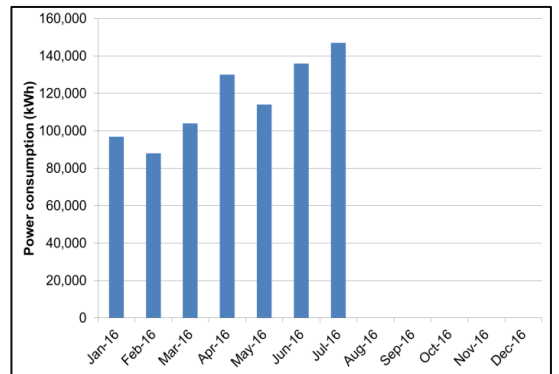
SOLAR PV SYSTEM

Size: 173 kW peak
Energy yield: 1,451 kWh/kWp/year
Annual production: 251,400 kWh
Annual degradation: 0.8%
Grid displacement: 17%
Investment cost: US\$ 295,000
Payback: 13.3 years

Description:

- The PV system proposed is designed as a stand-alone one with no battery storage.
- Full self-consumption on site.
- The PV panels are mounted on the flat concrete roof and on the ground.

For more information, please contact solarhub@dragoncapital.com



¹ 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