

**PRE-FEASIBILITY STUDY SUMMARY**

**OVERVIEW**

**Client:** Garment factory  
**Location:** Industrial park, Dong Nai province  
**Type of building:** industry warehouse  
**Construction year:** 10 years  
**Operation pattern:** 6 days per week

**ENERGY CONSUMPTION**

**Annual Consumption:** 87,200 MWh (2015)

**Main Usages:**

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

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

- Peak hours: 2,556 VND/kWh (11.5 US c/kWh)
- Normal hours: 1,405 VND/kWh (6.3 US c/kWh)
- Off-peak hours: 902 VND/kWh (4.0 US c/kWh)

**SOLAR PV SYSTEM**

**Size:** 1.42 MWp  
**Energy yield:** 1,402 kWh/kWp/year  
**Annual production:** 1,989 MWh  
**Annual degradation:** 0.8%  
**Grid displacement:** 2.3%  
**Investment cost:** US\$ 1,704,000  
**Payback:** 8.9 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 (metal sheets)

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

