



SHARP

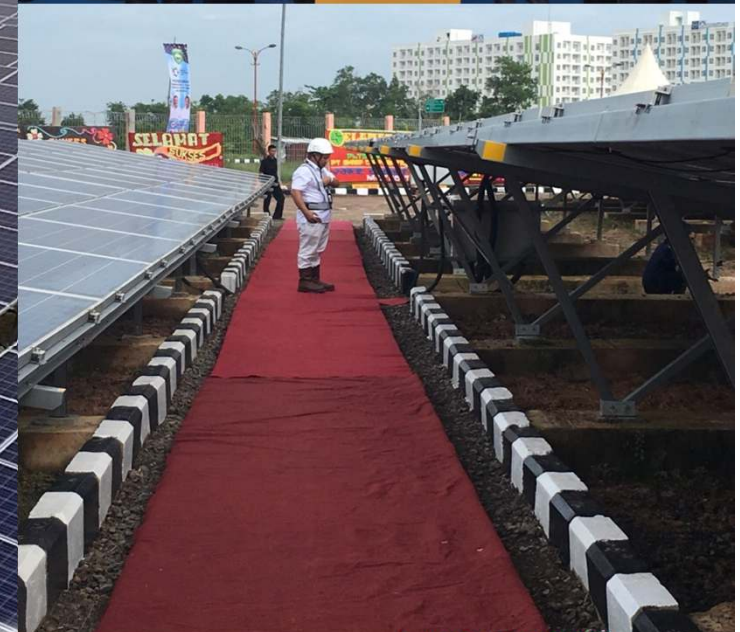


18th ASIAN GAMES
Jakarta
Palembang | 2018

CBD - Portofolio

Experiences from the JCM

1,6 MW JAKABARING SOLAR PV POWER



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Project Background

Background of the Project

**South Sumatra Government will host a part of ASIAN GAMES
in 2018 at Jakabaring Sports City, Palembang**

**“During Asian Games, we generated over 100MWh to Jakabaring Sport City
and Reduced over 420Ton CO2 Emission”**

Green Sports City - Initiated by South Sumatra Government

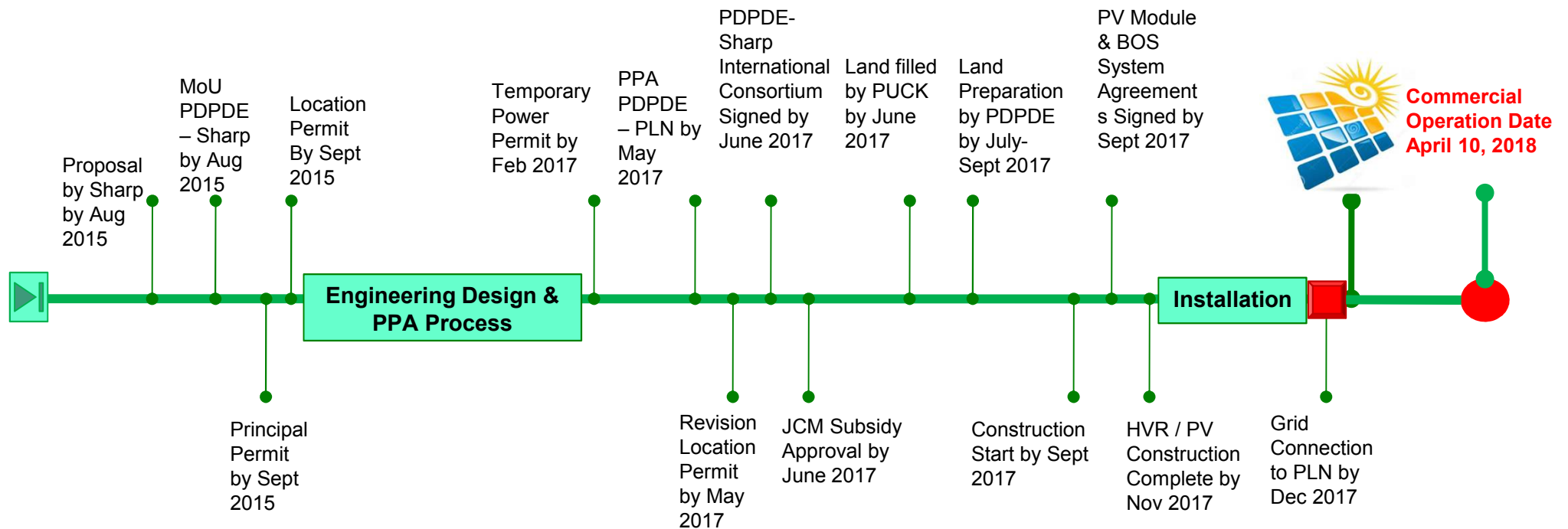
- PDPDE, selected by South Sumatra Government
- Sharp, Technology Provider
- Joint Development by PDPDE and Sharp
- JCM Carbon Credit for the Project
- PPA with PLN



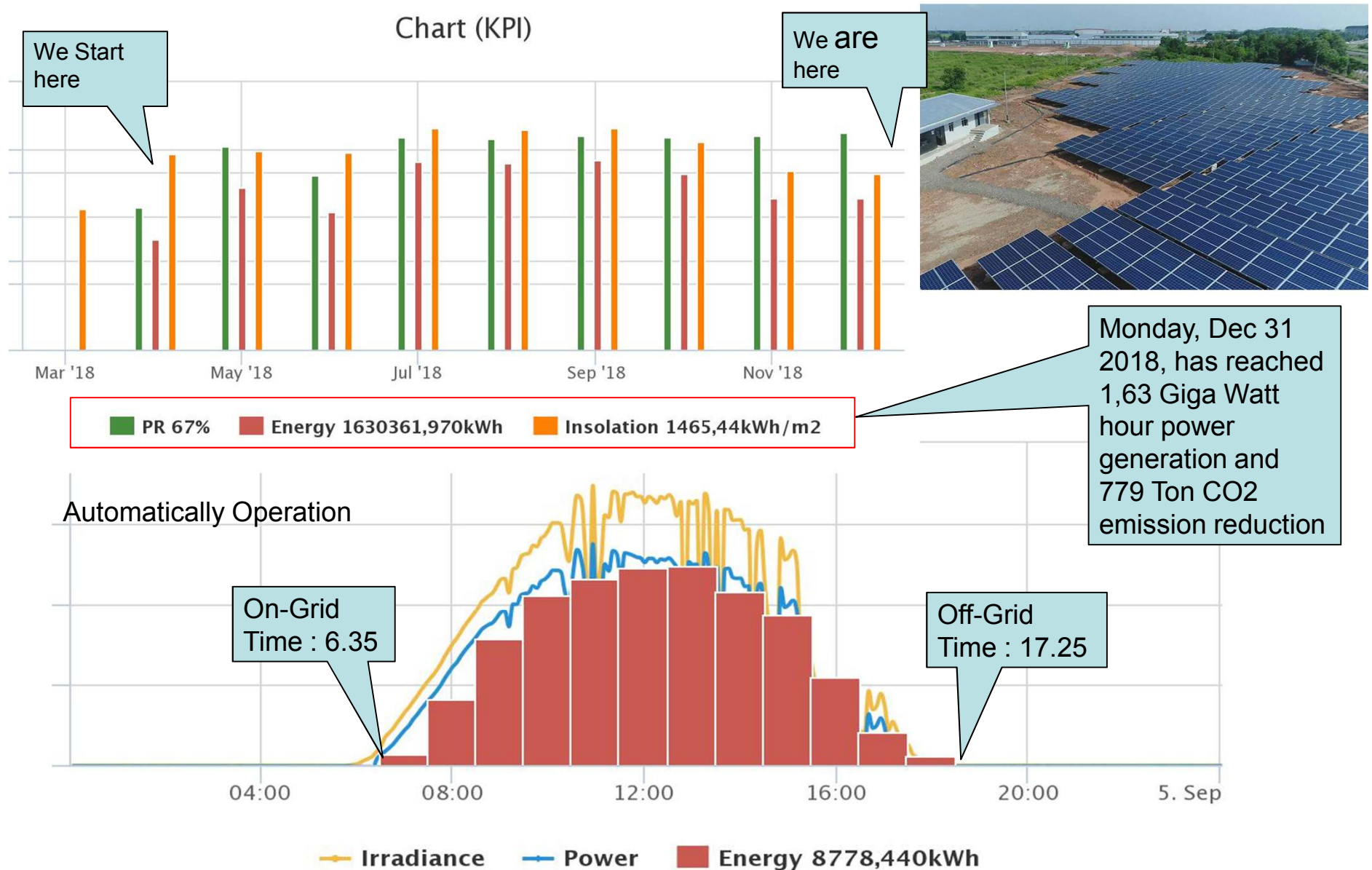
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Project's Development Process



MONITORING PERFORMANCE



Monthly Performance

2018	Energy (MWh)	CO2 Emission (Ton CO2)
April – start	124.8	59.5
May	182.1	86.8
June	154.7	73.7
July	210.5	100.4
August	209.3	99.8
September	212.7	101.5
October	197.9	94.3
November	171.1	81,6
Desember	170.3	81,3
TOTAL	1,630.2	779,0

Since COD, Plant performance from April 10 – 31 December 2018 ; source – Green Power Monitor SCADA



Lessons Learned From JCM Project

During 3 year working with Japan team under JCM, It has changed us to make better business atmosphere :

COMPANY VISION

- Change our Business Culture toward environmental sustainability
- Change our chauvinism to be thinking globally
- A trigger to more advanced step
- Technology Transfer from Experienced Japanese Company

COMPANY ENVIRONMENT

- Educate our personnel's Mindset
- Success based on workforce quality
- Skill full experienced Staff in Planning, Design & Implementation

Community Development Effect

PLTS 2MW Jakabaring or “Jakabaring Solar Farm” has turned to be a “**Public Education Center**” for Developing Renewable Energy from Solar Irradiation. Many stakeholders visited us to learn the PLTS as the most proven project such as :



SEKOLAH TINGGI TEKNIK - PLN
JAKARTA



polsri
Politeknik Negeri Sriwijaya



KODIKLATAU
TNI AU



PLN

**Many
MORE**

Our Developing Project

“From **TWO** to **MUCH BIGGER**”



IPP PLTS 2MW Jakabaring
Location Palembang
Offtaker : PT. PLN (Persero)
CO2 Emission Reduction :
1.303TonCO2/year
COD Year : April 2018



Solar Street Light “PDELIGHT”
Location Palembang
Project Plan : 45.000units
CO2 Emission Reduction :
21.160TonCO2/year
Implementation Year : 2019-2020



10MW Bangka Island Solar Project
Location : Air Anyir, Bangka
Offtaker : PT. PLN (Persero)
CO2 Emission Reduction :
8.046TonCO2/year
Construction Year : 2020
Status : Detail Engineering Design



100MW Pertamina’s Refinery Solar Project
Offtaker : Own Use
CO2 Emission Reduction :
80.460TonCO2/year
Status : Proposal

ABOUT PDPDE

We are Local Government Owned Company with main business field in Mine and Energy

PI Ownership

Oil Block : Rimau
Location : Kab. Musi Banyuasin
Share : 5%
Area : 1103 km²
Contract Completion : 2023
Operator : PT Medco E & P Indonesia



Gas & CNG Trader

Contract Total 13,5 Mmbtud distributed to offtakers below :

- CNG-Gas Engine Power Jakabaring (Daruma)
- Gas Station for vehicle (CHR)
- Industry Pulp & Paper (PDPDE GAS)



Bottling LPG & Transport

- Bottling LPG PSO 3 kg
- Bottling Non-PSO 5kg, 12 kg 50kg
- Three LPG Trucking
- Partner: Radekatama Pirantinusa



Renewable Energy

1,6 MW Jakabaring Solar Plant located at Jakabaring Sport City and distributed to PLN WS2JB



EPC & Consultancy

Expertise services :

- Construction Service
- Mechanical & Electrical Service
- Design & Planning
- Feasibility Study & Environment

Retail Business

Services : SPBU, SPBG, KFC, Workshop, Alfamart & Product Agency Rest Area *Demang Lebar Daun*



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Our Address :

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THANK YOU