Indonesian RE Projects Showcase

PT PLN Nusantara Power – Subholding of PT PLN (Persero)

Tokyo, 27 November 2024

GO BEYOND POWER,
ENERGIZING THE FUTURE

www.plnnusantarapower.co.id

Company Profile

GO BEYOND POWER,
ENERGIZING THE FUTURE

Organizational Structure of PT PLN Nusantara Power

Subsidiaries and Associated Entities

Government of Republic Indonesia — 100%

PT PLN (Persero) — 99.99%

YPK PLN (Yayasan Pendidikan & Kesejahteraan (YPK) PLN) — 0.01%

→ PLN Nusantara Power

PT PLN Nusantara Power

- Established in 1995, sub-holding generation company of PT PLN (Persero)
- Operating more than 23,712 MW power plants: Hydro PP, Coal PP, Combined Cycle Gas PP, Diesel PP, Solar PV
- Offering End-to-End Power Generation Solutions for various types of Power Plants

5,000+ PLN NP's Employees

3,000+ Certified Service Engineers

1,200+ Unit Power Plants

23,712 MW Installed Capacity (18,573 MW Full Ownership & 5,139 MW Shared Ownership)

2,349 MW Green Energy Installed Capacity (2,164 Hidro Power & 185* Solar PV Installed)

100+ Project Complete Annually (MRO, RLA, EAM, etc)
500+ Partnerships Manufacture
46+ Sparepart costomer
250 EPC Work Complete

5 Subsidiaries

PLN Nusantara Power Services
PT Nusantara Power Services
Operation & Maintenance Services
99.00%

PLN Nusantara Power Construction
PT PLN Nusantara Power Construction
Engineering, Procurement & Construction (EPC)
98.91%

PLN Nusantara Renewables
PT PLN Nusantara Renewables
Investment
99.99%

PLN Suku Cadang
PT PLN Suku Cadang
Spareparts Provider
51.00%

PT Navigat Innovative Indonesia
72.98%

10 Associations Companies

PT PJB Masdar Solar Energi	PT Rekind Daya Mamuju	PT Shen Hua Guo Hua PJB	PT PJB Guo Hua Taidian PJB	PT Nort Sumatera Hydro Energy	PT Sumbagselenergi Sakti Perwali	PT Sumber Segara Primadaya	PT Bajradaya Sentosa	PT Komipo Pembangkitan Jawa-Bali	PT Bukit Pembangkit Innovative
51.00%	10.00%	30.00%	30.00%	25.00%	30.00%	49.00%	36.61%	49.00%	29.15% + 10.10%

Power Generation Portfolio

Shared Ownership in IPP

PLN Nusantara Power

Operating (4.885 MW)

A. ASAHAN
HPP 2x90 MW
(Share PLN Nusantara Power 36,61%) I ncluding O&M Services

B. BANJARSARI
CFPP 2x110 MW
(Share PLN Nusantara Power 29,15%)

C. JAWA 7 (UNIT 1&2), SERANG
CFPP 2x1.000 MW
(Share PLN Nusantara Power 30%)

D. CILACAP
CFPP 2x300 MW
Ekspansi 1, 1x660 MW
Ekspansi 2, 1x1.000 MW
(Share PLN Nusantara Power 49%)

E. MAMUJU
CFPP 2x25 MW
(Share PLN Nusantara Power 10%)

F. CIRATA FLOATING PV
FPV 145 MW
(Consortium PLN Nusantara Renewables – Masdar, Share PLN Nusantara Power 51%)

Construction & Development (1.125 MW)

G. BATANG TORU
HPP 4x127,5 MW
(Share PLN Nusantara Power 25%)
**Underconstruction*
a.Unit #1: COD 2021
b.Unit #2: COD 2022
c.Unit #3: COD 2022
d.Unit #4: COD 2022

H. SUMBAGSEL 1
CFPP 2x150 MW
(Share PLN Nusantara Power 10%)

I. IKN
Solar PV 50 MW
(Consortium PLN NR – Sembcorp Share PLN Nusantara Power 51%)

J. KARANGKATES
FPV 100 MW
(Share PLN Nusantara Power 51%)

K. TANAH LAUT
Wind Power 70 MW
(Share PLN Nusantara Power 30%)

L. TEMBESI
Solar Power 35 MW
(Share PLN Nusantara Power 51%)

M. DE-DIESELISATION PROGRAM
Scattered Solar PV ± 60 MW
(Share PLN Nusantara Power 15%)

Total capacity PT PLN Nusantara Power

DIESEL: 1.120 MW GAS: 10.520 MW WASTE: 40 MW
COAL: 9.870 MW HYDRO: 2.160 MW

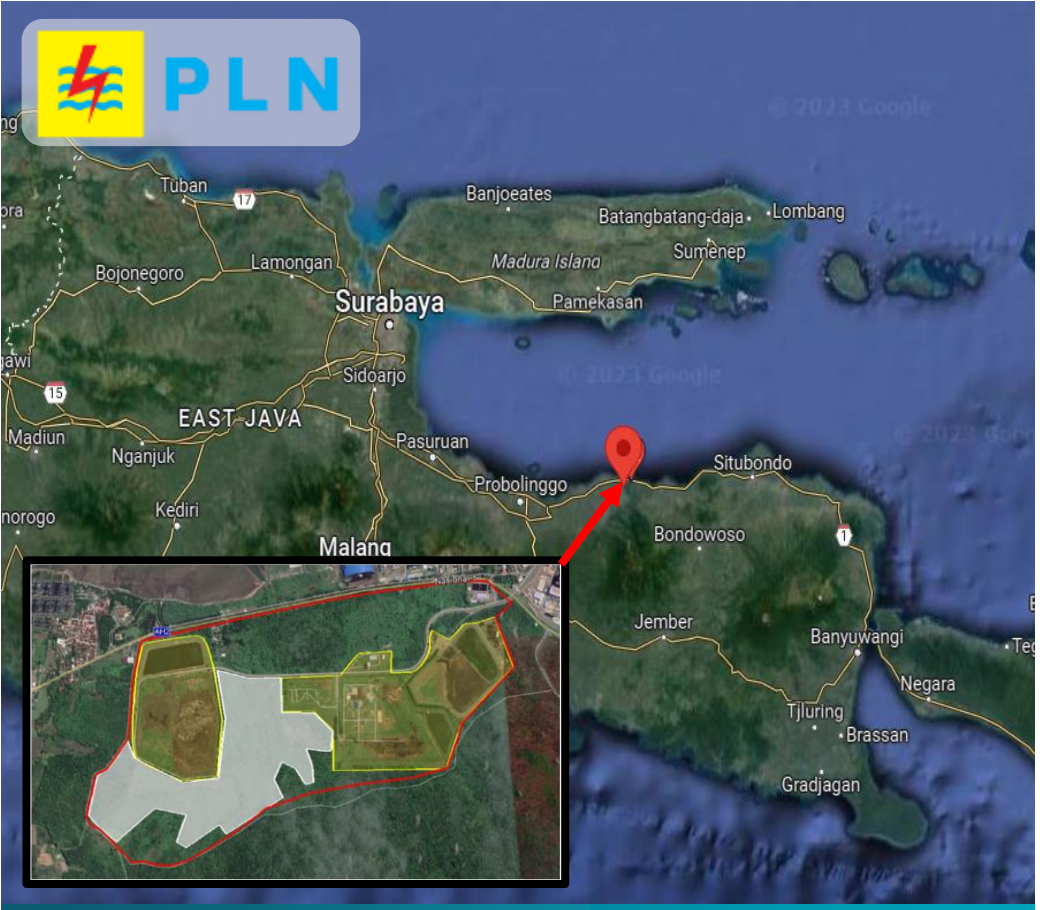
TOTAL: 23.700+ MW

Shared Ownership in O&M Company

1. **TANJUNG JATI B#3 AND #4**
CFPP 2x660 MW
(O&M Services operated by KPJB – KPJB is Joint Venture Company of PLN Nusantara Power-Komipo)

2. **JAWA 7 #1 AND #2**
CFPP 2x1000 MW
(O&M Services operated by GHPJB – SGPJB is Joint Venture Company of PLN Nusantara Power-Shenhua Guohuataidian)

Upcoming Projects



PAITON Solar PV PP

This project is ground mounted photovoltaic power plant located in Probolinggo, East Java, Indonesia with capacity of 50 MWac. The expected date of Commercial Operational Date (COD) of the project is in 2027 and will be connected to the 150 kV grid system. The feasibility study of the project was completed by PLN Nusantara Power in 2022.

CAPACITY :
Max 50 MWac

LOCATION:
Probolinggo, East Java

TYPE OF PROJECT :
Grid Connected

PROJECT SPONSOR:
XXX

GRANT ASSISTANCE:
XXX

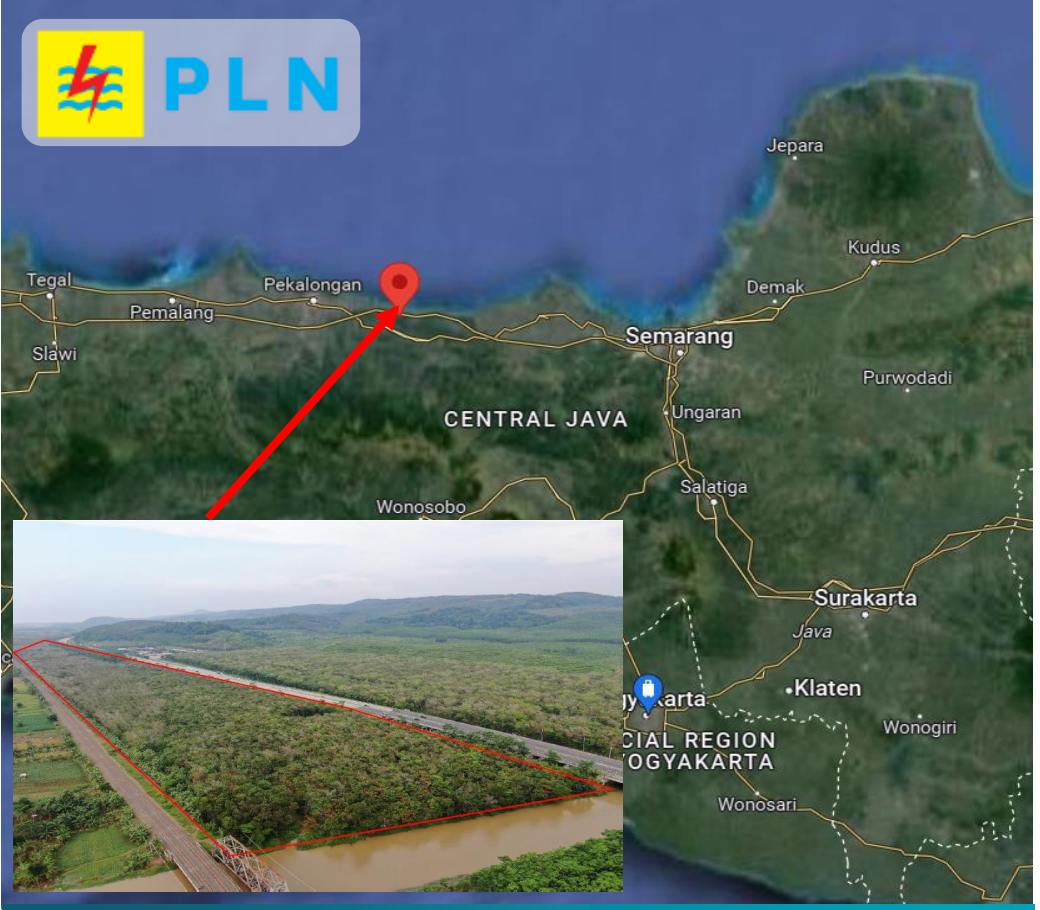
PROJECT STAGING:
Partner Selection

- *PERMITTING:*
  - KKPR (not yet)
  - IMB (not yet)
  - AMDAL/UKL UPL (not yet)
  - IPPKH (not yet)
  - RAP (not yet)
  - Other Permits

- ***TOTAL PROJECT COST (in Million USD):*** **XXX**

- *GRID CONNECTION IN PLACE:*
  XXX
- *CURRENCY OF FINANCING:*
  XXX
- *Does it allow Financiers to bring their own developer?* XXX
- *Has the project gone through ESIA/AMDAL/LARAP:*
  XXX
- *Has the project gone through technical feasibility studies?:*
  XXX
- *Has the land been fully or partially acquired?*
  XXX

XXX	XXX	XXX	2027
RFP Process for Partner Selection	RFP Process for Financing	Expected Financing Close	Expected Date of COD



BATANG Solar PV PP

This project is ground mounted photovoltaic power plant located in Batang, Central Java, Indonesia with capacity of 50 MWac. The expected date of Commercial Operational Date (COD) of the project is in 2027 and will be connected to the 150 kV grid system. The feasibility study of the project was completed by PLN Nusantara Power in 2022.

CAPACITY :
Max 50 MWac

LOCATION:
Batang, Central Java

TYPE OF PROJECT :
Grid Connected

PROJECT SPONSOR:
XXX

GRANT ASSISTANCE:
XXX

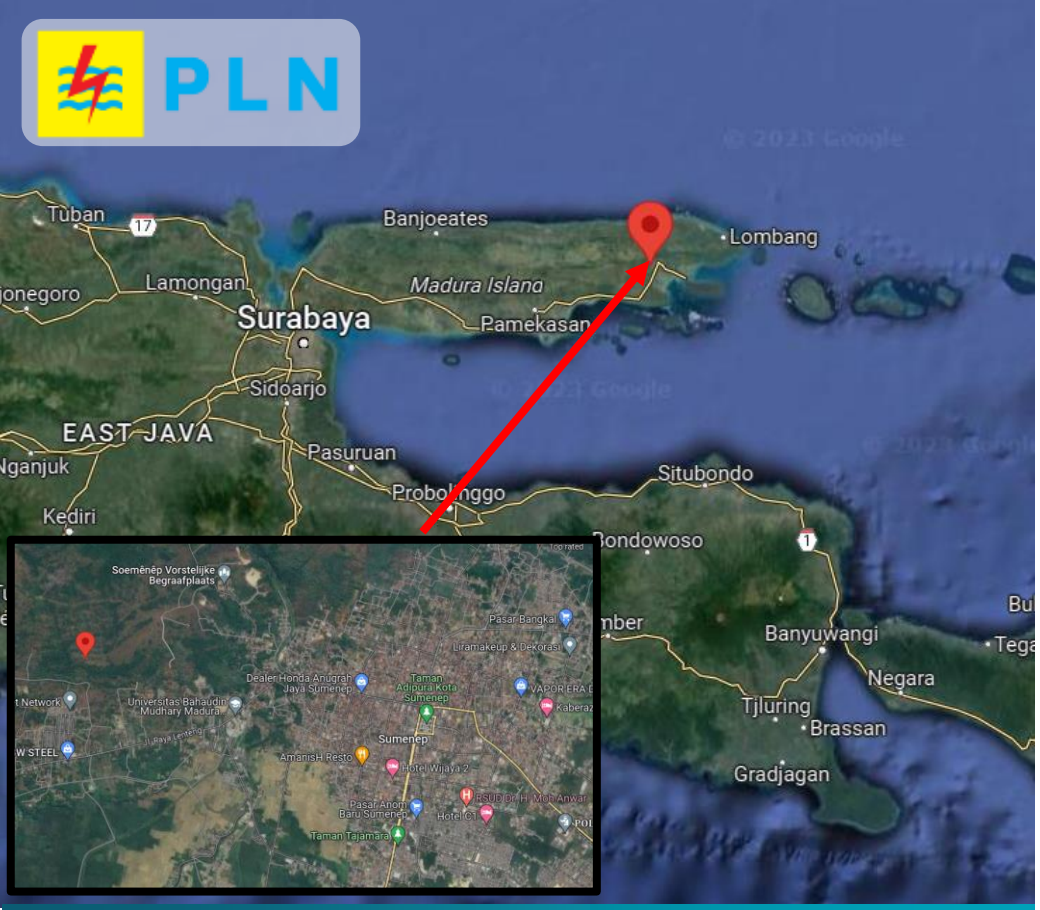
PROJECT STAGING:
Partner Selection

- *PERMITTING:*
  KKPR (not yet)
  IMB (not yet)
  AMDAL/UKL UPL (not yet)
  IPPKH (not yet)
  RAP (not yet)
  Other Permits

- ***TOTAL PROJECT COST (in Million USD):*** **XXX**

- *GRID CONNECTION IN PLACE:*
  XXX
- *CURRENCY OF FINANCING:*
  XXX
- *Does it allow Financiers to bring their own developer?* XXX
- *Has the project gone through ESIA/AMDAL/LARAP:*
  XXX
- *Has the project gone through technical feasibility studies?:*
  XXX
- *Has the land been fully or partially acquired?*
  XXX

XXX	XXX	XXX	2027
RFP Process for Partner Selection	RFP Process for Financing	Expected Financing Close	Expected Date of COD



SUMENEP 1 Solar PV PP

This project is ground mounted photovoltaic power plant located in Sumenep, East Java, Indonesia with capacity of 50 MWac. The expected date of Commercial Operational Date (COD) of the project is in 2027 and will be connected to the 150 kV grid system. The feasibility study of the project was completed by PLN Nusantara Power in 2023.

CAPACITY :
Max 50 MWac

LOCATION:
Sumenep, East Java

TYPE OF PROJECT :
Grid Connected

PROJECT SPONSOR:
XXX

GRANT ASSISTANCE:
XXX

PROJECT STAGING:
Partner Selection

- *PERMITTING:*
  KKPR (not yet)
  IMB (not yet)
  AMDAL/UKL UPL (not yet)
  IPPKH (not yet)
  RAP (not yet)
  Other Permits

- ***TOTAL PROJECT COST (in Million USD):*** **XXX**

- *GRID CONNECTION IN PLACE:*
  XXX
- *CURRENCY OF FINANCING:*
  XXX
- *Does it allow Financiers to bring their own developer?* XXX
- *Has the project gone through ESIA/AMDAL/LARAP:*
  XXX
- *Has the project gone through technical feasibility studies?:*
  XXX
- *Has the land been fully or partially acquired?*
  XXX

XXX	XXX	XXX	2027
RFP Process for Partner Selection	RFP Process for Financing	Expected Financing Close	Expected Date of COD

PEMALANG Solar PV PP

This project is ground mounted photovoltaic power plant located in Pemalang, Central Java, Indonesia with capacity of 50 MWac. The expected date of Commercial Operational Date (COD) of the project is in 2027 and will be connected to the 150 kV grid system. The feasibility study of the project was completed by PLN Nusantara Power in 2022.

CAPACITY :
Max 50 MWac

LOCATION:
Pemalang, Central Java

TYPE OF PROJECT :
Grid Connected

PROJECT SPONSOR:
XXX

GRANT ASSISTANCE:
XXX

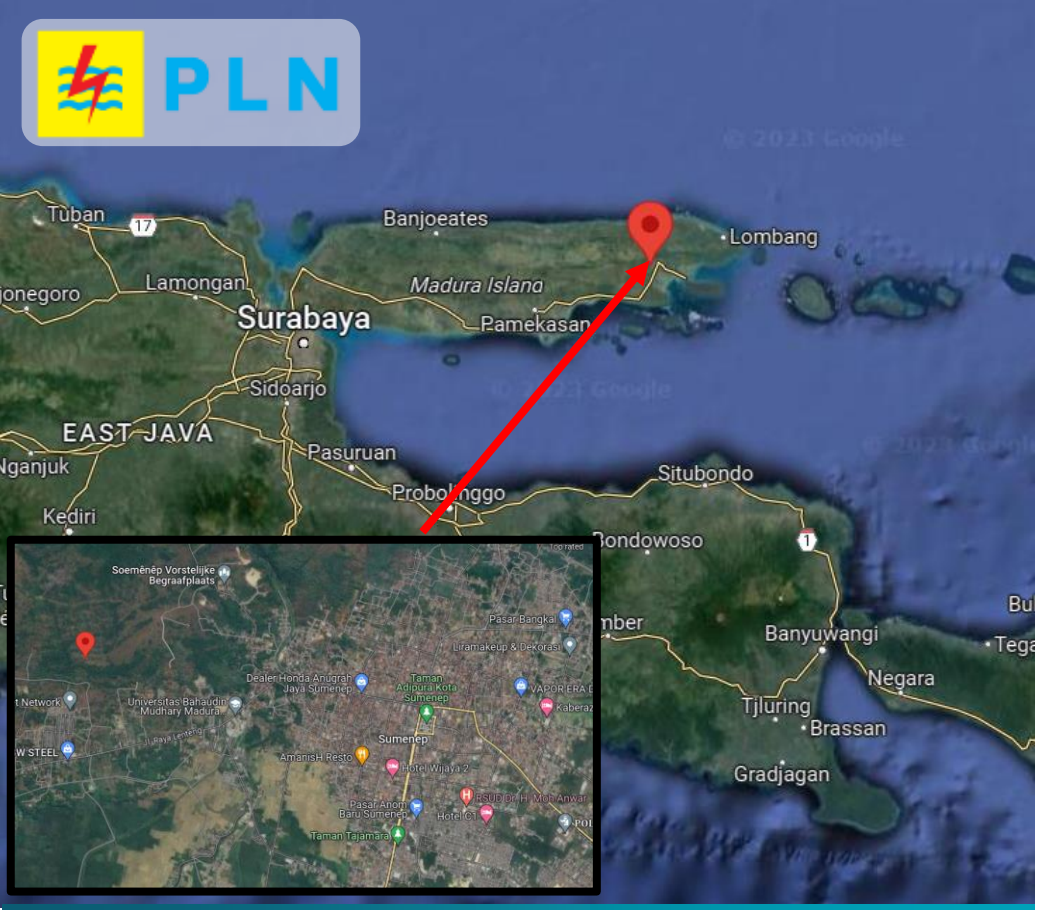
PROJECT STAGING:
Partner Selection

- *PERMITTING:*
  KKPR (not yet)
  IMB (not yet)
  AMDAL/UKL UPL (not yet)
  IPPKH (not yet)
  RAP (not yet)
  Other Permits

- ***TOTAL PROJECT COST (in Million USD):*** **XXX**

- *GRID CONNECTION IN PLACE:*
  XXX
- *CURRENCY OF FINANCING:*
  XXX
- *Does it allow Financiers to bring their own developer?* XXX
- *Has the project gone through ESIA/AMDAL/LARAP:*
  XXX
- *Has the project gone through technical feasibility studies?:*
  XXX
- *Has the land been fully or partially acquired?*
  XXX

XXX	XXX	XXX	2027
RFP Process for Partner Selection	RFP Process for Financing	Expected Financing Close	Expected Date of COD



SUMENEP 2 Solar PV PP

This project is ground mounted photovoltaic power plant located in Sumenep, East Java, Indonesia with capacity of 50 MWac. The expected date of Commercial Operational Date (COD) of the project is in 2027 and will be connected to the 150 kV grid system. The pre-feasibility study of the project was completed by PLN Nusantara Power in 2023.

CAPACITY :
Max 50 MWac

LOCATION:
Sumenep, East Java

TYPE OF PROJECT :
Grid Connected

PROJECT SPONSOR:
XXX

GRANT ASSISTANCE:
XXX

PROJECT STAGING:
Partner Selection

- *PERMITTING:*
  - KKPR (not yet)
  - IMB (not yet)
  - AMDAL/UKL UPL (not yet)
  - IPPKH (not yet)
  - RAP (not yet)
  - Other Permits

- ***TOTAL PROJECT COST (in Million USD):*** **XXX**

- *GRID CONNECTION IN PLACE:*
  XXX
- *CURRENCY OF FINANCING:*
  XXX
- *Does it allow Financiers to bring their own developer?* XXX
- *Has the project gone through ESIA/AMDAL/LARAP:*
  XXX
- *Has the project gone through technical feasibility studies?:*
  XXX
- *Has the land been fully or partially acquired?*
  XXX

XXX	XXX	XXX	2027
RFP Process for Partner Selection	RFP Process for Financing	Expected Financing Close	Expected Date of COD

PLN
Nusantara Power

Thank You