

Energy X Company Profile & Project Reference

Saving Earth by Saving Energy

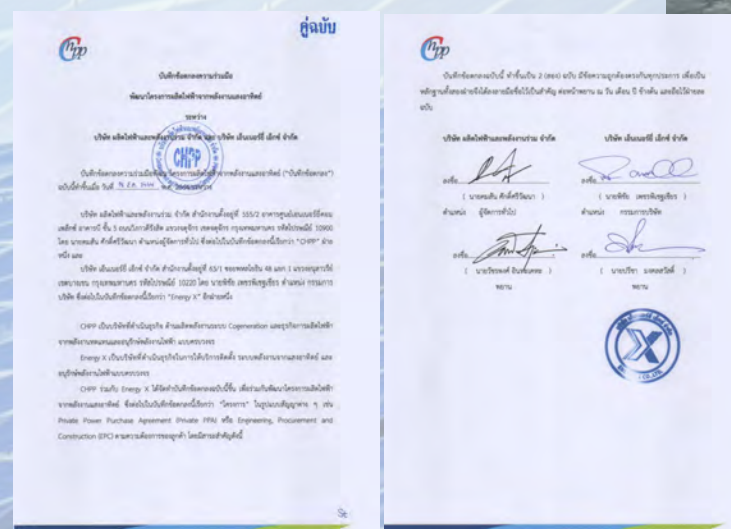


About Us

Energy X has been established since 2021 company is a providing energy company that operate as a manufacturer and distributor of solar system and other energy system.

Energy X provide system of solar roof ,solar farm ,solar float , electrical system design, control system design, provide low volt and Medium volt products with installation expertise team.

 Energy X has cooperation agreement with **CHPP** that's the  **PTT group of Public company** to design & cooperate Solar project.



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,Praves Bangkok 10250 Tel: +66 2-077-7355

OUR GROUP OF COMPANY



CORPORATED COMPANY

BC POLYMER MARKETING CO., LTD.



- ALES REVANUE APPROX. 3,500 MB PER YEAR
- TOP 3rd OF PTT AURTHORIZED DEALER TO SELL POLYMERS



KB SHIPPING SERVICE CO., LTD.



- MORE THAN 1,200 SHIPMENTS WITH OVER 70 CUSTOMERS PER MONTH



KB TRANSPORT SERVICE CO., LTD.



- MORE THAN 75 TRAILERS TO SERVICE CUSTOMER



SB POLYMERS CO., LTD.



- EXPORTING OIL & CHEMICAL



CORPORATED COMPANY

STARK INNOTECH CO., LTD.



- AUTHORIZED DEALER OF CST IN THAILAND
- THE GLOBAL LEADER IN STORAGE AND COVERS SOLUTIONS



BLISS CONSTRUCTION CO., LTD.



- SALES REVENUE MORE THAN 300 MB. PER YEAR
- Design , Building , M&E



PROSTEEL (THAILAND) CO., LTD.



- DESIGN
- CONSULTATIVE
- MANUFACTURING
- TRANSPORTATION
- INSTALLATION
- PROJECT MANAGEMENT
- WARRANTY



ENERGY X CO., LTD.



- DESIGN
- CONSULTATIVE
- TRANSPORTATION
- INSTALLATION
- PROJECT MANAGEMENT
- WARRANTY
- O&M SERVICE



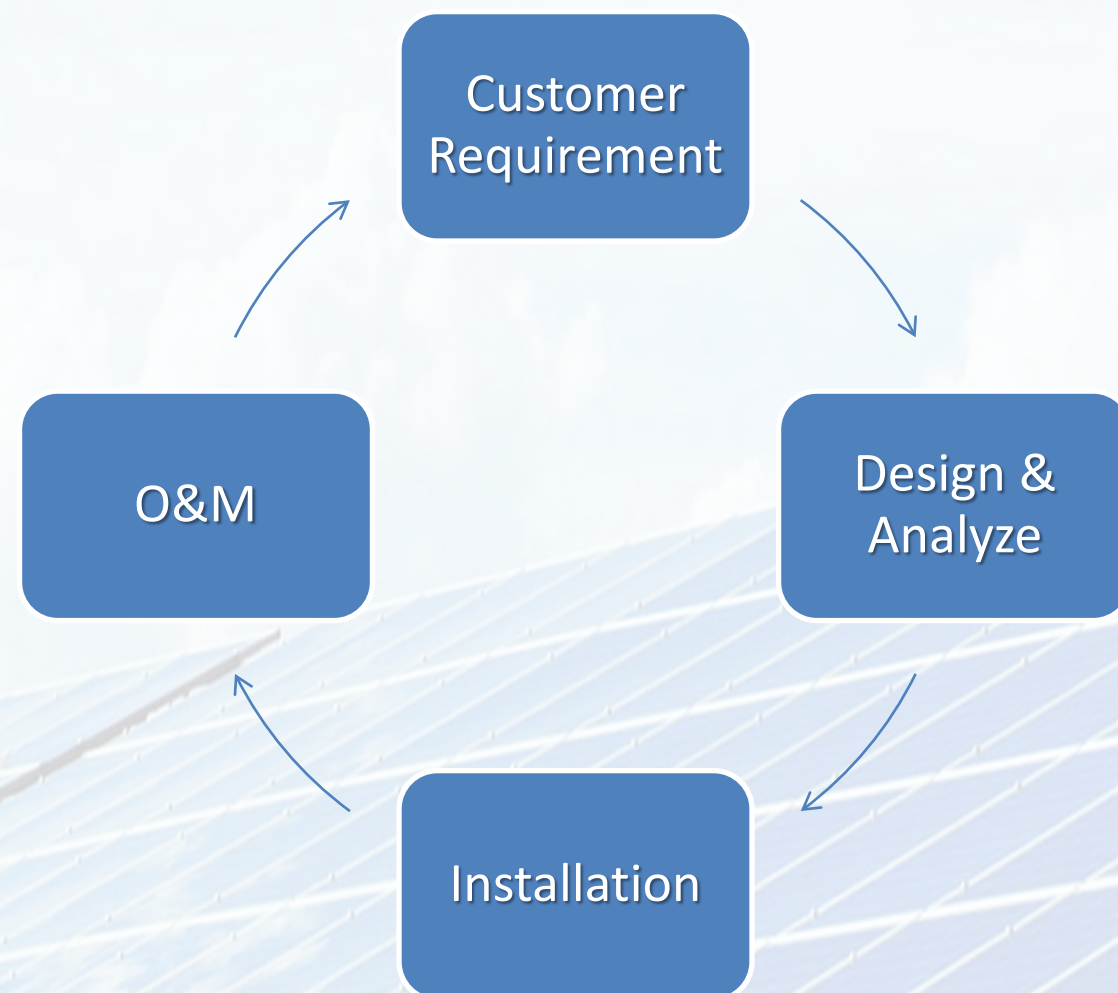
OUR VISION

We are committed to maximizing the most return which competitive investment to our customer. And the reliable process solution by managed under standard & safety.



OUR MISSION

Our main mission is to deliver quality solar systems to our customers on time and with a stable performance & Safety.



OUR SERVICE

Solar Rooftop



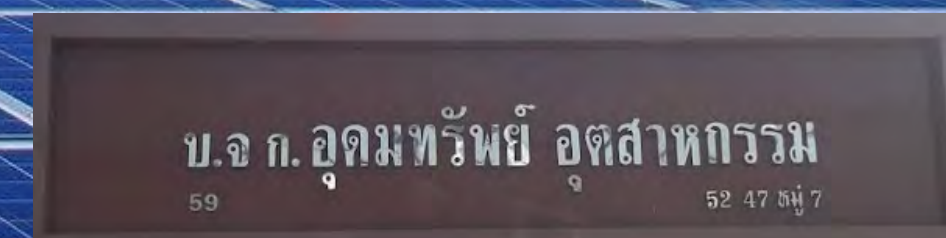
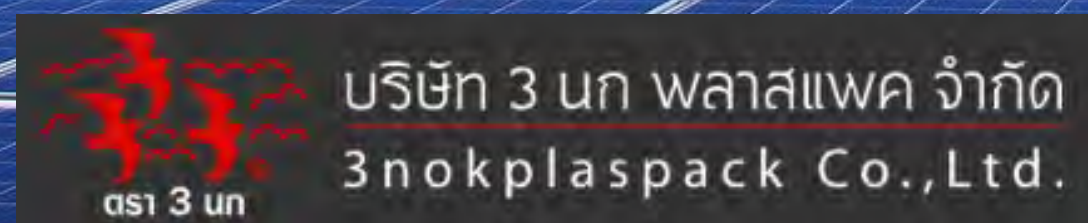
Solar Farm



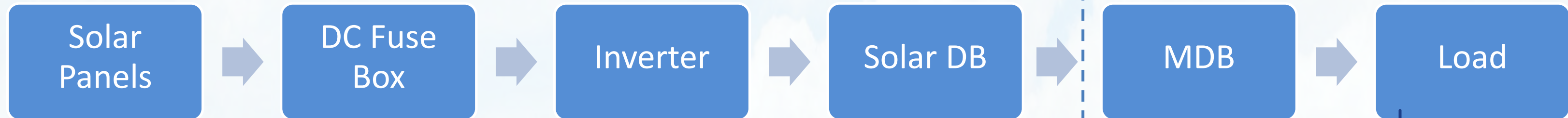
Solar Floating



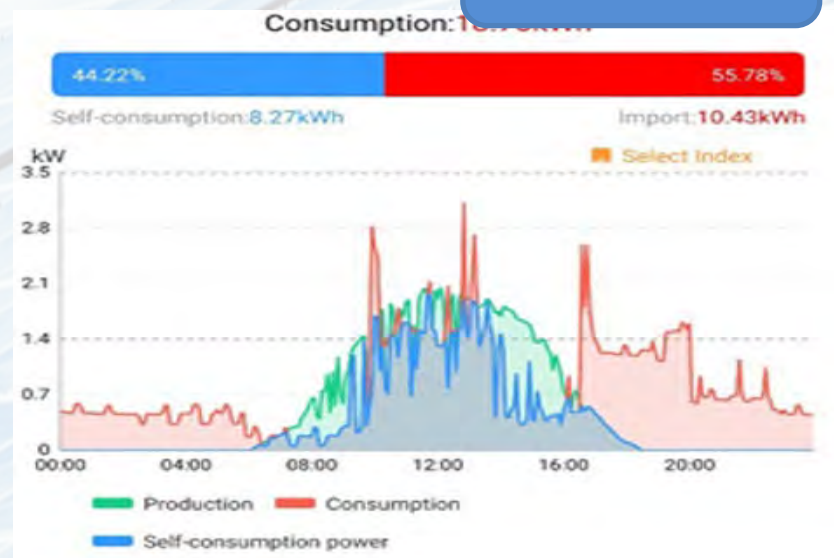
OUR CUSTOMER



SOLAR SYSTEM



Monitoring



Feedback control & Protection



Grid



THE MAIN EQUIPMENT



PV Panel

Silicon wafers, cells and modules to complete photovoltaic power systems



Solar Inverter

Inverters and innovative technology for intelligent energy



Optimizer/Rapid Shutdown

Power Optimizer and Rapid shutdown With new Regulation

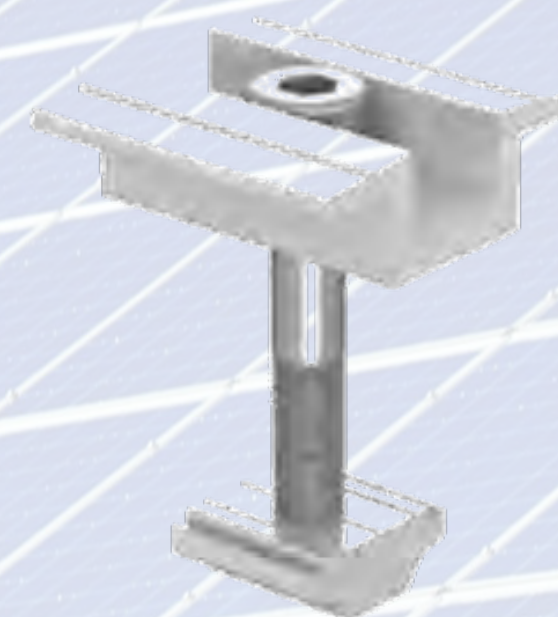
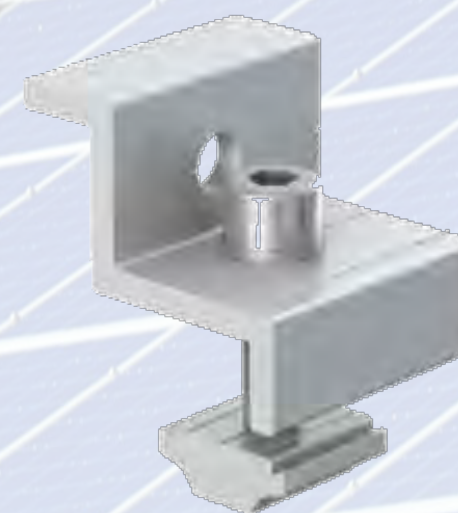
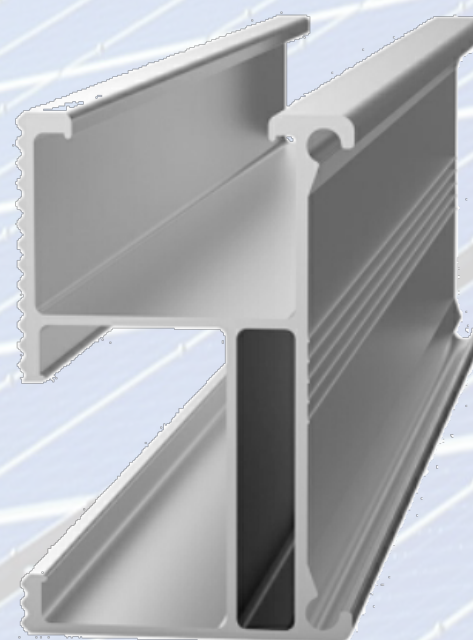


THE MAIN EQUIPMENT



Mounting structure

Roof mounting system is a complete



THE CONTROLLER & PROTECTION

Refer MEA,PEA term of use.



SUNGROW



solar**edge**

Data Logger

Feedback control
from the actual
consumption use,
Smart communication



Janitza®

Weidmüller

Protection (Zero Export)

Energy meter to
communicate with
data logger

Zero Export : **UMG511** : **UMG 96 RM**



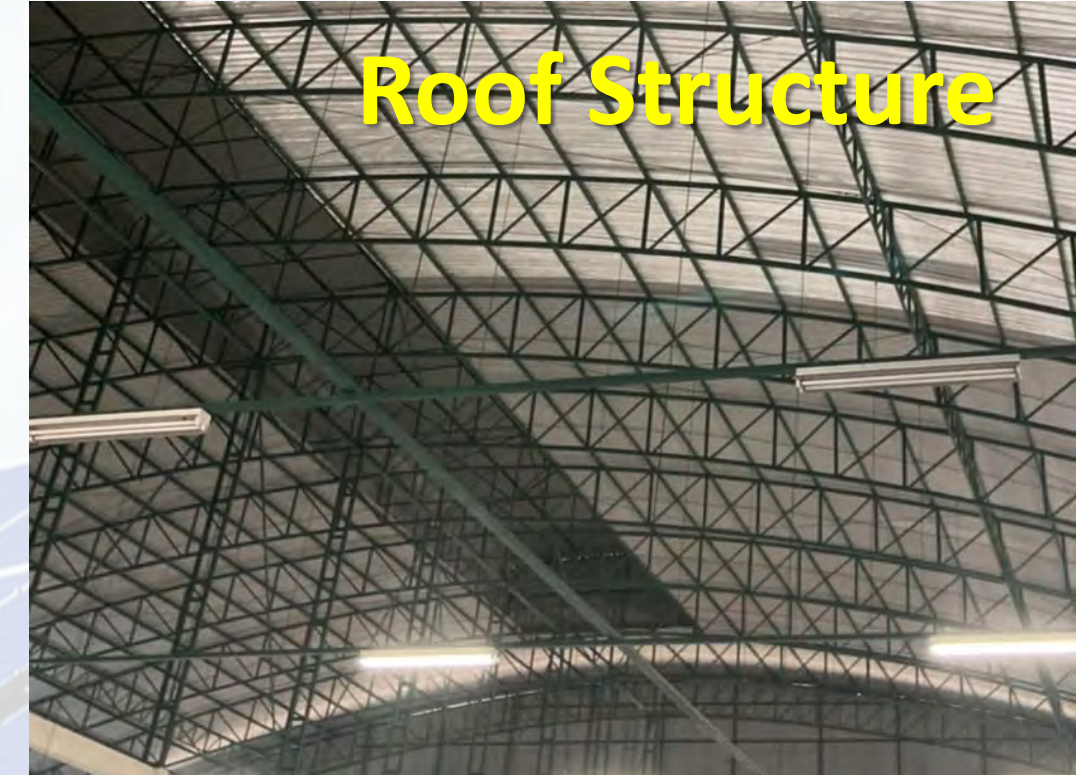
SCOPE OF WORK



- 1. Site Survey
- 2. Present Proposal
- 3. Design Process
- 4. Procurement and Installation
- 5. Monitoring & Maintenance

SCOPE OF WORK

1. Site Survey



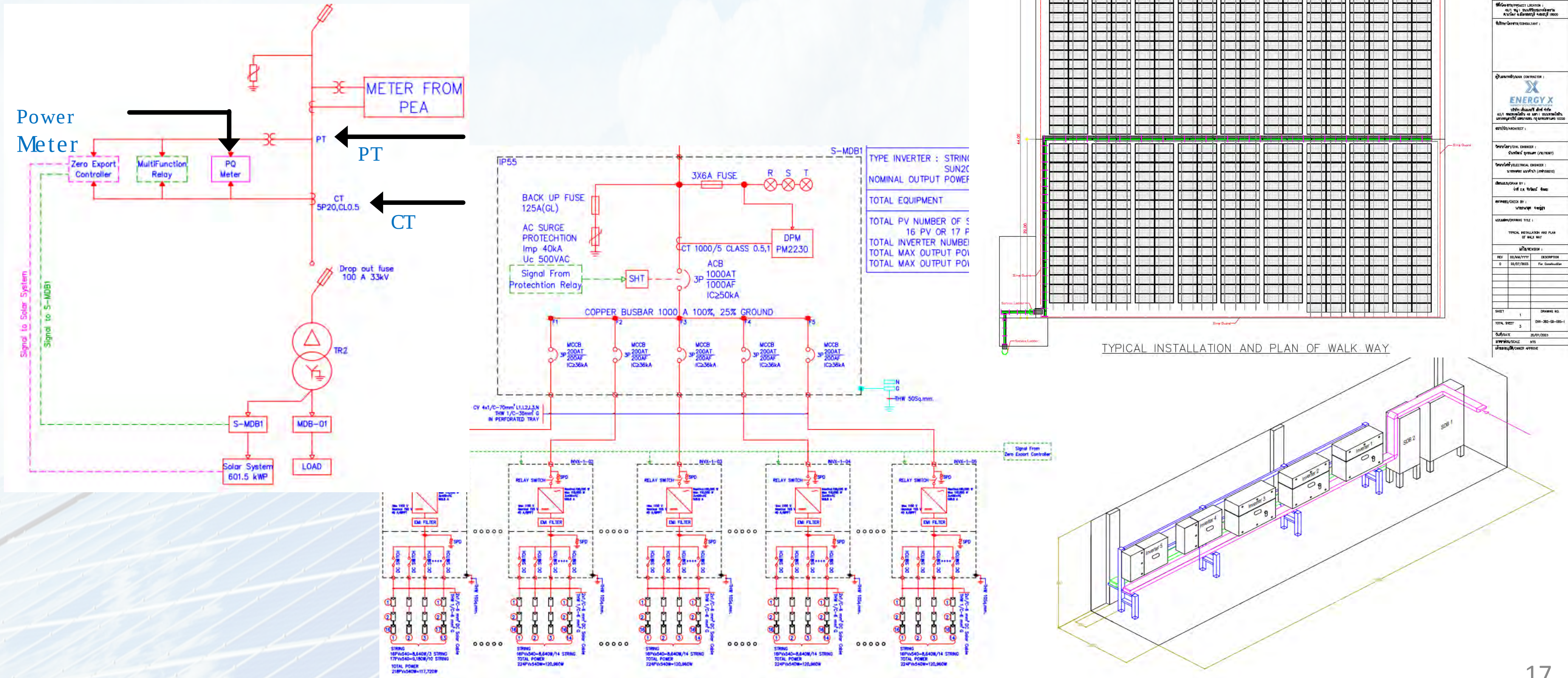
SCOPE OF WORK

2. Present Project Proposal



SCOPE OF WORK

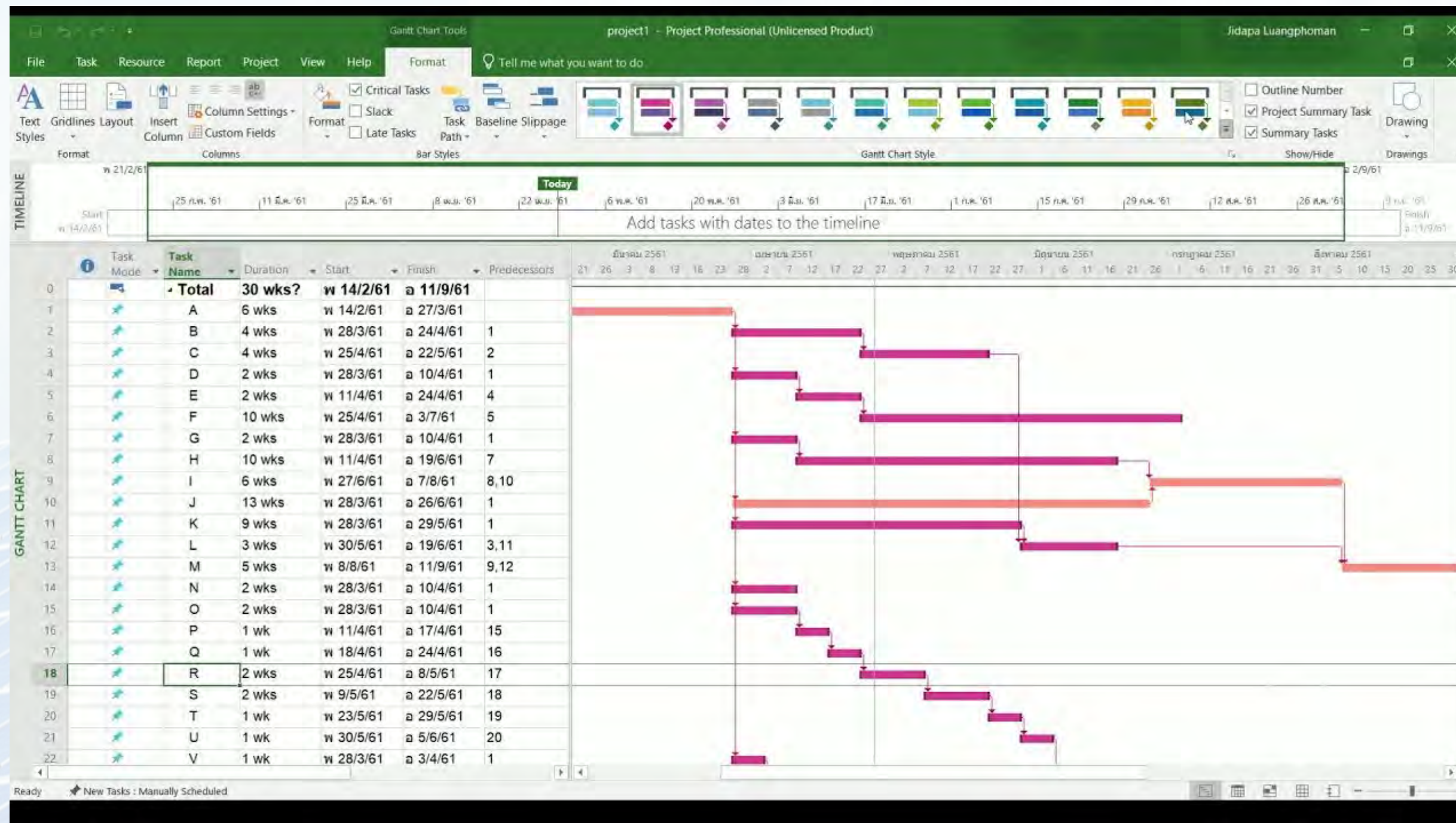
3. Design Process



SCOPE OF WORK

4. Procurement and Installation

Project Management



SCOPE OF WORK

4. Procurement and Installation

Safety First



SCOPE OF WORK

4. Procurement and Installation

Mounting Structure



Service Walkway



SCOPE OF WORK

4. Procurement and Installation

Service Ladder



Safety Sling Guard



SCOPE OF WORK

4. Procurement and Installation

PV Module



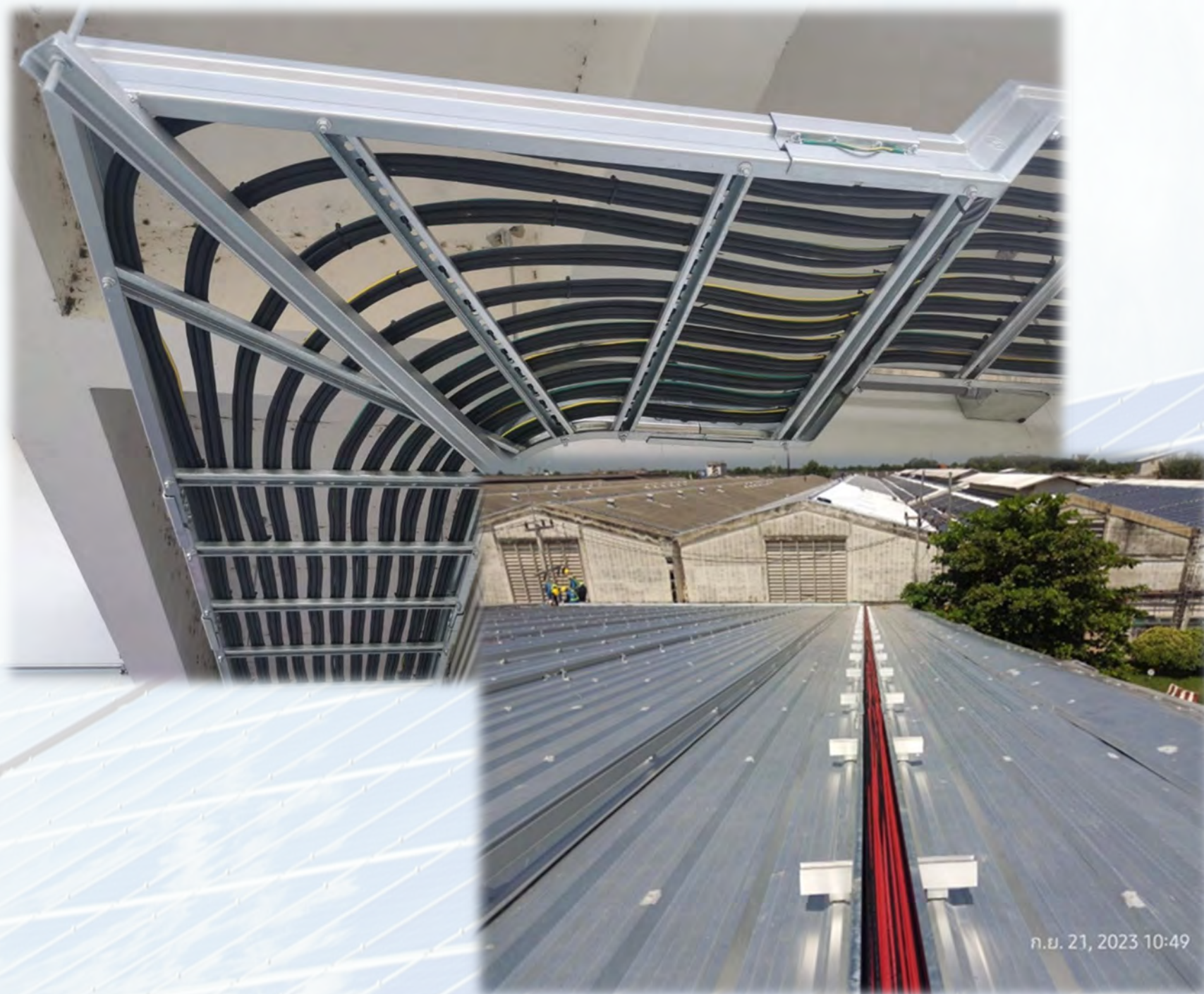
Inverter Housing



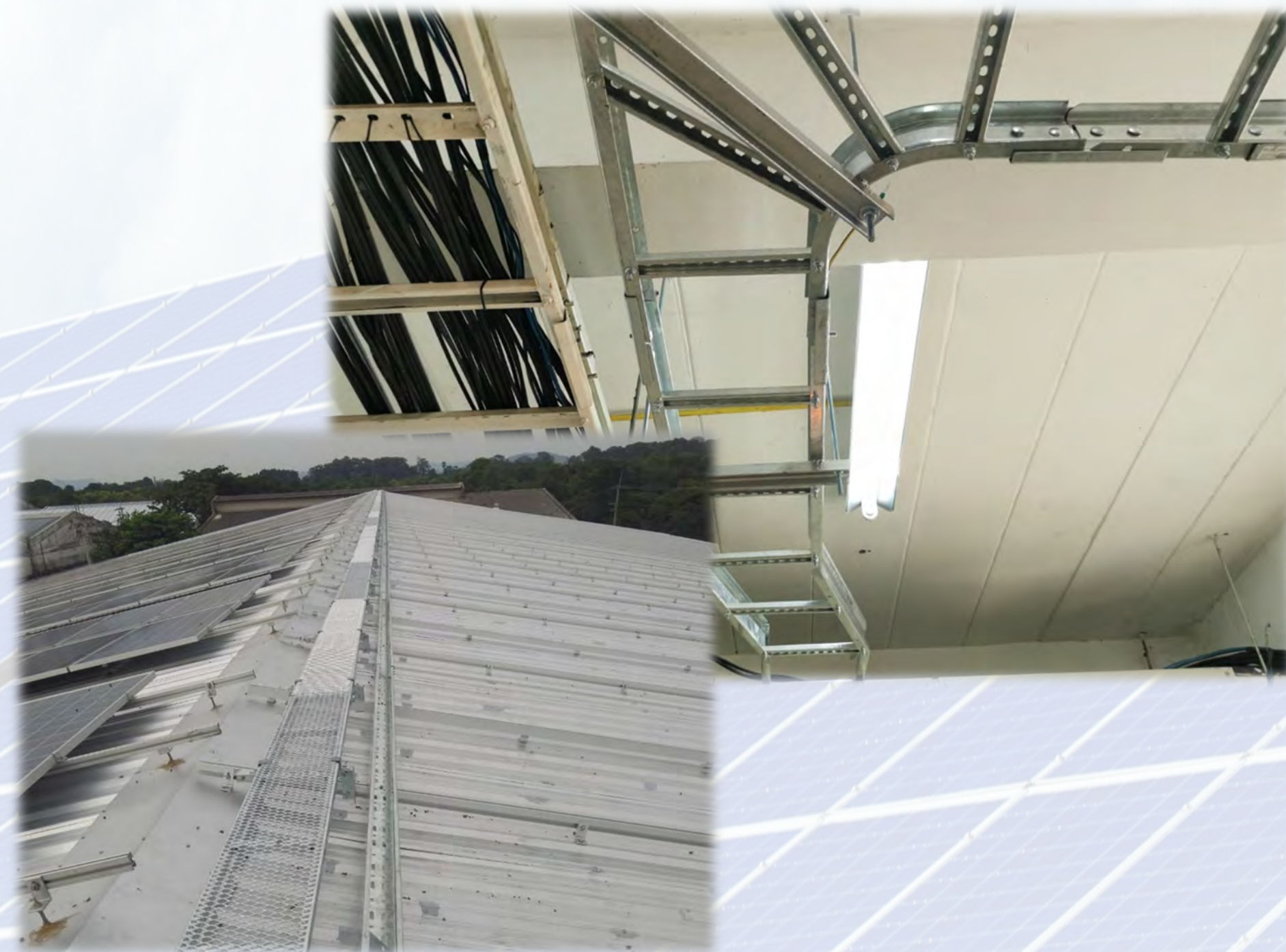
SCOPE OF WORK

4. Procurement and Installation

Cable Wiring



Race way



SCOPE OF WORK

4. Procurement and Installation

Inverter Installation



Solar DB Installation



SCOPE OF WORK

4. Procurement and Installation

Medium Voltage : Protection Zero Export



SCOPE OF WORK

4. Procurement and Installation

Test & Commissioning



Pipe & Pump cleaning system



SCOPE OF WORK

4. Procurement and Installation

Prepare progress report include as;

- Number of labour.
- Import and used material
- Device, equipment and machine on site
- Progress of construction
- Obstacle of work
- Uncommon matter example accident, construction site visitor etc.



ENERGY X		DAILY REPORT		Report No. (21-494-200.00)			
Project Name: [REDACTED]		Date of Report: Jan-6, 2022					
Type of Project: Solar Rooftop		Contractor: Energy X Co., Ltd.					
Installed Capacity: 475.20 kWp		Attention to: [REDACTED]					
WEATHER REPORT 			ATTACHMENTS ☐ Photo ☐ Specimen ☐ Drawing ☐ Other (Please specify)				
CONSTRUCTION							
Item	Location	Description	Total Qty.	Unit	Planning Qty. %	Today Actual Progress Qty. %	Accumulative Progress Qty. %
UNIT 1							
1	Roof Top (1st floor)	Steel Structure Mounting	1	Lot	0.2	20.00%	0.2
		Installation	1	Lot	0.2	20.00%	0.4
		Roof Top (1st floor) Complete	1	Lot	1.0	100.00%	0.8
2	Roof Top (1st floor)	Roof Top (1st floor)	1	Lot	1.0	100.00%	0.5
UNIT 2							
1	Roof Top (1st floor)	Installation	1	Lot	1.0	100.00%	1.0
		Roof Top (1st floor)	1	Lot	1.0	100.00%	1.0
PROBLEMS & SAFETY ISSUE (IF ANY)							
Item	Description	Solution					
MANPOWER							
Item	Description	Qty.	Unit	Item	Description	Qty.	Unit
1	Engineer	2	Man	2	Technician	1	Man
2	Safety Officer	1	Man	3	Labour	1	Man
3	Labour	10	Man				
MACHINES, TOOLS & INSTRUMENTS							
Item	Description	Qty.	Unit	Item	Description	Qty.	Unit
EPC CONTRACTOR							
Report By: Project Engineer		Review By: [REDACTED]		Report By: [REDACTED]		Review By: [REDACTED]	
Signature: [REDACTED]		Signature: [REDACTED]		Signature: [REDACTED]		Signature: [REDACTED]	
Name: Phongsakha Karamon		Name: [REDACTED]		Name: [REDACTED]		Name: [REDACTED]	
ID NUMBER: 6-Jun-2022		ID NUMBER: [REDACTED]		ID NUMBER: [REDACTED]		ID NUMBER: [REDACTED]	

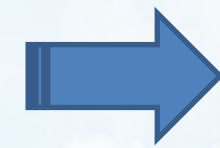
SCOPE OF WORK

4. Procurement and Installation Training

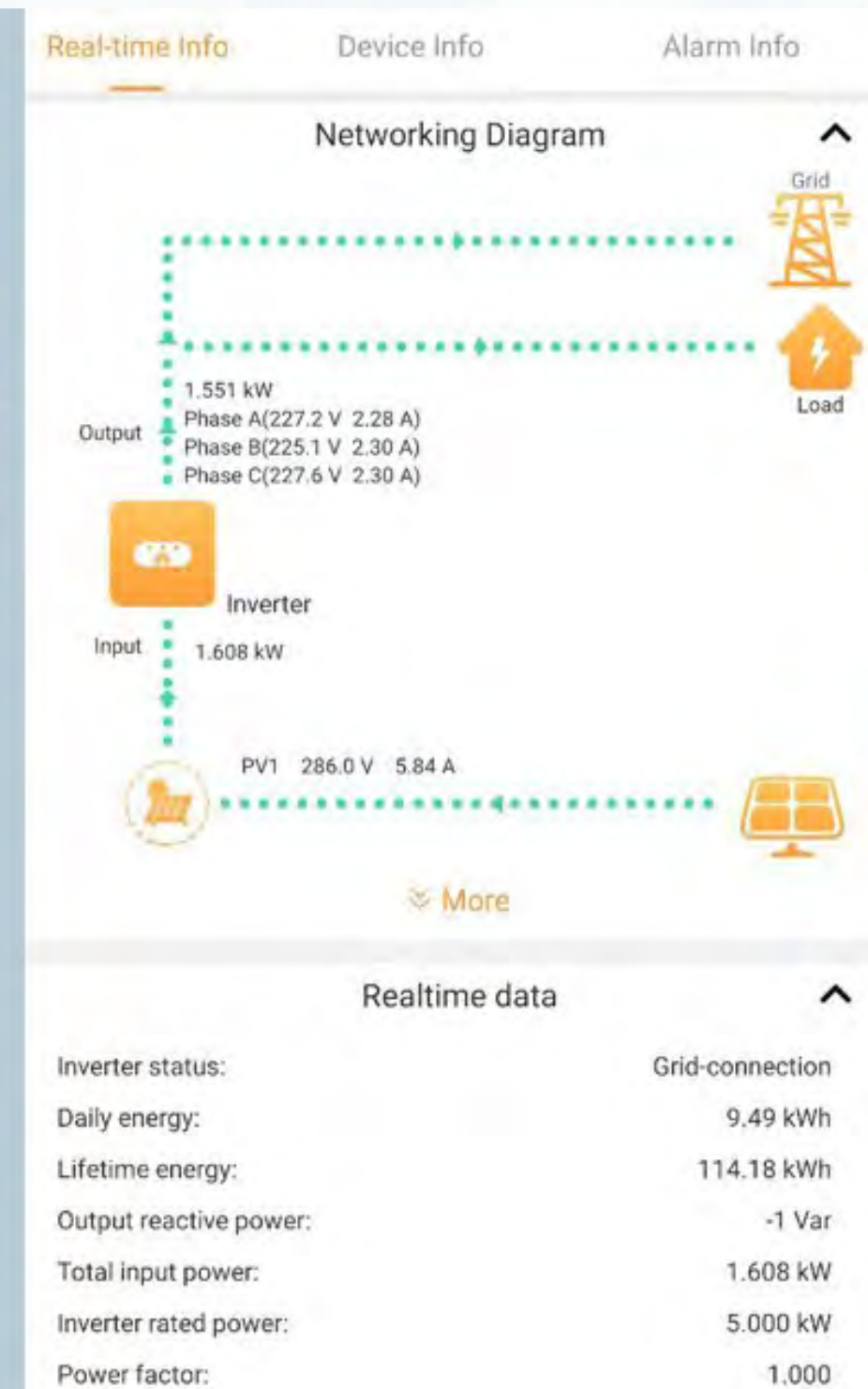
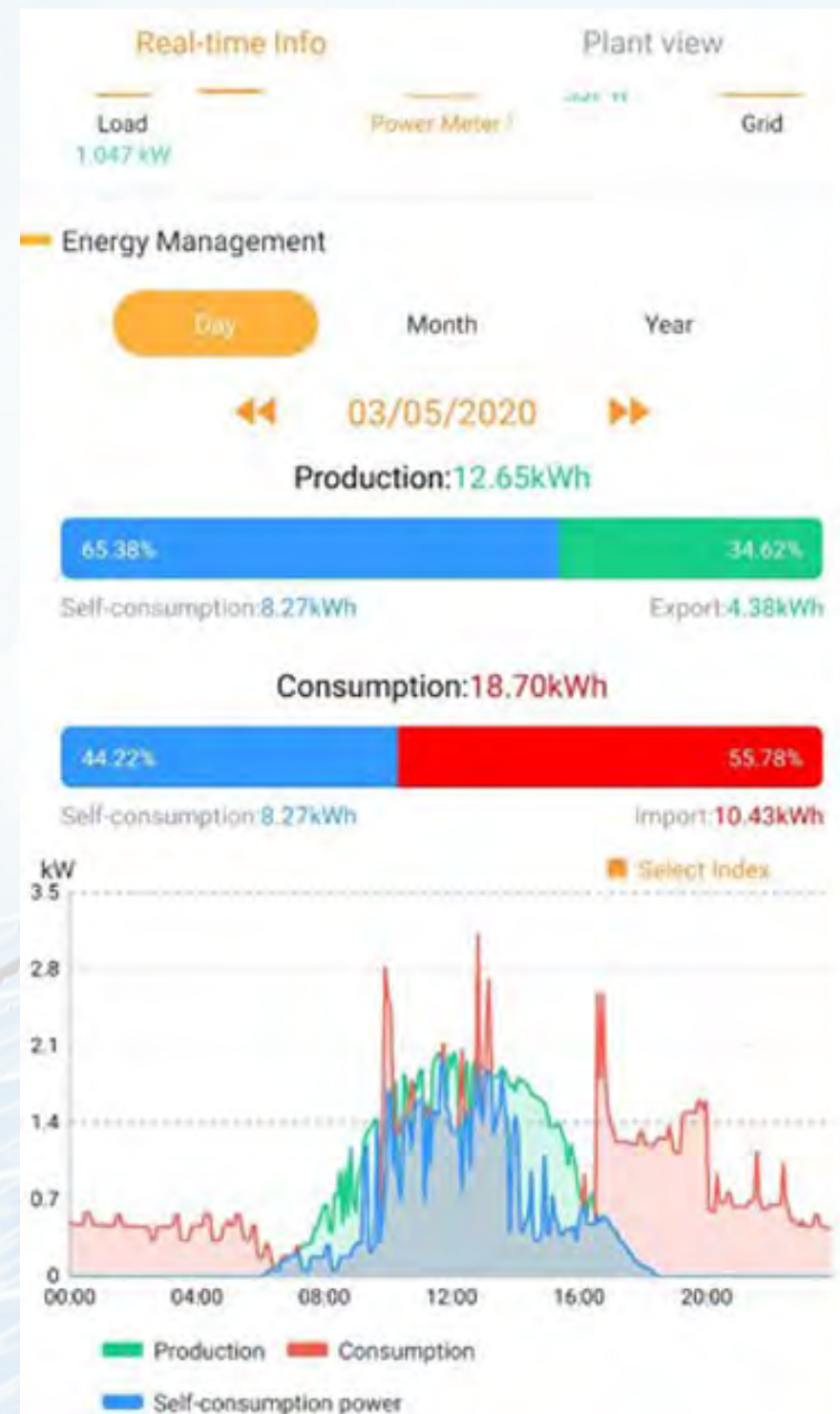


SCOPE OF WORK

5. Monitoring & Maintenance



Real time on Mobile App or Computer



SCOPE OF WORK

5. Monitoring & Maintenance

Cleaning & Inspection



PROJECT REFERENCE

Complete & COD



Project Reference : Finished (COD)



Client : Udomsup Co.,Ltd . (Phase 1)
Location : Bangkok
Installation Capacity : 402.3 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : Jinko Solar 540Wp
Inverter : ABB
Status : COD 5/2021



Client : Inter Plas Match Co.,Ltd .
Location : Samut Sakhon
Installation Capacity : 349.8 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : Seraphim Solar 540Wp
Inverter : ABB
Status : COD 7/2021

Project Reference : Finished (COD)



Client : J.S. Industry Plastic Co.,Ltd .
Location : Bangkok
Installation Capacity : 462.24 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : Seraphim Solar 540Wp
Inverter : ABB
Status : COD 7/2021



Client : Thai P.E. Film Co.,Ltd .
Location :Samut Prakan
Installation Capacity : 244.1 kWp
Roles & Responsibility : EPC Turn -Key
PV Module :JA Solar 540Wp
Inverter : Huawei
Status : COD 3/2022

Project Reference : Finished (COD)



Client : MongKol Paisal Polyplas Co.,Ltd .
Location :Bangkok –Bangkhuntien
Installation Capacity : 476 kWp
Roles & Responsibility : EPC Turn -Key
PV Module :JA Solar 540Wp
Inverter : Huawei
Status : COD 7/2022



Client : Baramee Pack Co.,Ltd .
Location : Chonburi – Koh poe
Installation Capacity : 240 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : Risen Solar 540Wp
Inverter : Sungrow
Status : COD 12/2022

Project Reference : Finished (COD)



Client : Thai Plastic Industrial (Public) Co.,Ltd .

Location : Nonthaburi

Installation Capacity : 563 kWp

Roles & Responsibility : EPC Turn -Key

PV Module : Risen Solar 540Wp

Inverter : Huawei

Status : COD 2/2023



Client : Jananan Co.,Ltd .

Location : Bangkok – Bang Khen

Installation Capacity : 35 kWp

Roles & Responsibility : EPC Turn -Key

PV Module : JA Solar 540Wp

Inverter : Huawei

Status : COD 1/2023

Project Reference : Finished (COD)



Client : J metal Solution Co.,Ltd .
Location : Samutsakorn
Installation Capacity : 131 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : Risen Solar 540Wp
Inverter : Sungrow
Status : COD 3/2023



Client : Dolvanich Co.,Ltd .
Location : Samutsakorn
Installation Capacity : 200 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : Risen Solar 540Wp
Inverter : Sungrow
Status : COD 5/2023

Project Reference : Finished (COD)



Client : Saica Corporation Co.,Ltd . (Phase 1)

Location : Samutsakorn

Installation Capacity : 22 kWp

Roles & Responsibility : EPC

PV Module : JA Solar 540Wp

Inverter : Huawei

Status : COD 3/2023



Client : Saica Corporation Co.,Ltd . (Phase 2)

Location : Samutsakorn

Installation Capacity : 270 kWp

Roles & Responsibility : EPC

PV Module : JA Solar 540Wp

Inverter : Huawei

Status : COD 4/2023

Project Reference : Finished (COD)



Client : Udomsup Co.,Ltd . (Phase 2)

Location : Bangkok

Installation Capacity : 300 kWp

Roles & Responsibility : EPC Turn -Key

PV Module : Risen Solar 540Wp

Inverter : Huawei

Status : COD 6/2023



Client : 3NOK Plas Pack Co.,Ltd . (Phase 1)

Location : Samut Prakarn

Installation Capacity : 450 kWp

Roles & Responsibility : EPC

PV Module : Risen Solar 540Wp

Inverter : Huawei

Status : COD 7/2023

TPI ALL SEASON Solar Rooftop Project



Client : TPI All season Co.Ltd .

Location : Saraburi

Installation Capacity : 718 kWp

Roles & Responsibility : EPC Turn -Key

PV Module : Risen Solar 585Wp N -Type

Inverter : Huawei

Status : COD 11/2023



Thai Nam Co.,Ltd. Solar Rooftop Project



Client : Thai Nam Co.,Ltd (Phase 2)

Location : Samutsakorn

Installation Capacity : 999 kWp

Roles & Responsibility : EPC Turn -Key

PV Module : Risen Solar 585Wp (N-Type)

Inverter : Huawei

Status :COD 12/2023



Project Reference : Finished (COD)



Client : KOEI Industrial Décor Co.,Ltd .
Location : Pathumthani
Installation Capacity : 345 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : JA Solar 620Wp (N -Type)
Inverter : Huawei
Status : COD 1/2024

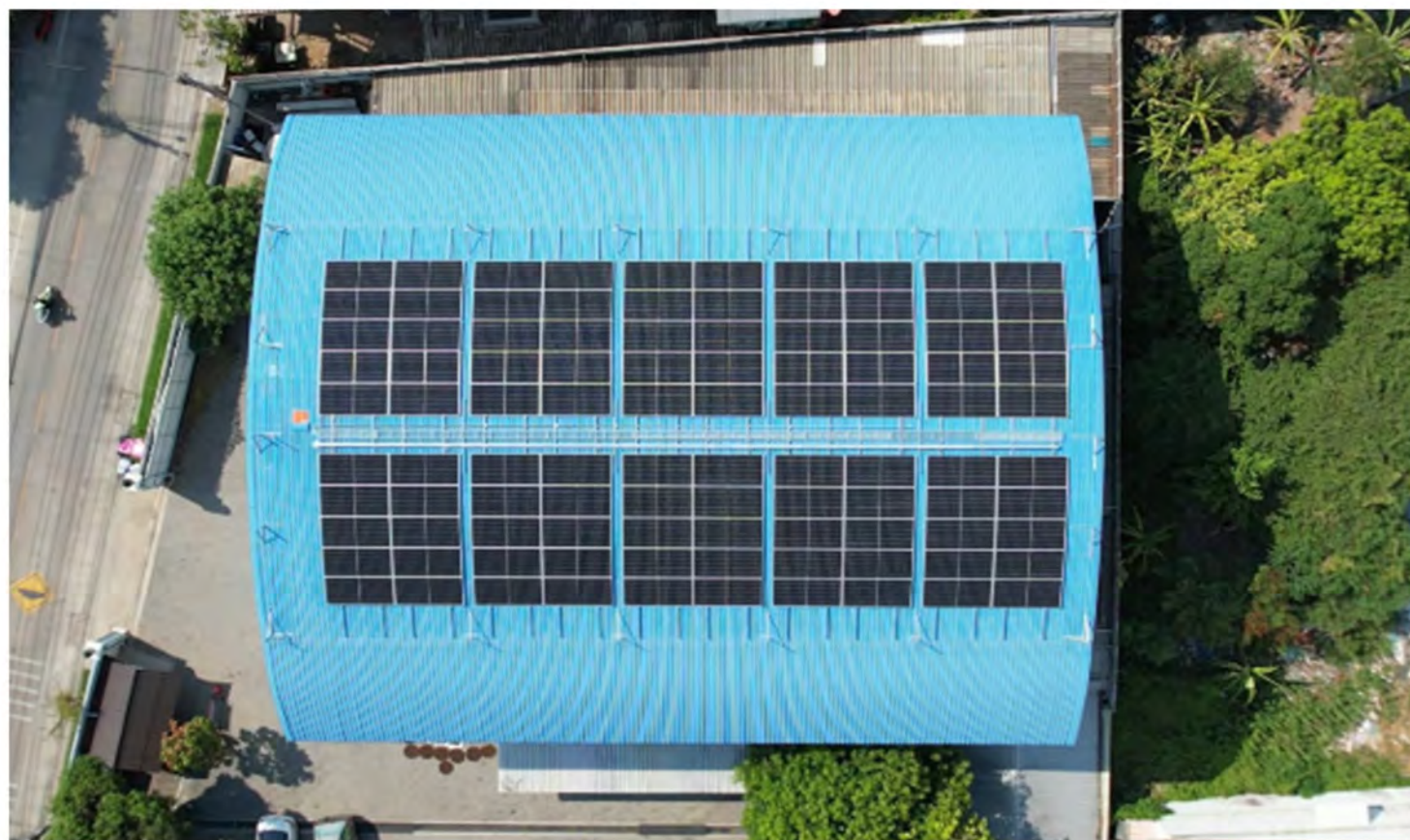


Client : Thonburi Plas Pack Co.,Ltd .
Location : Samutsakorn
Installation Capacity : 350 kWp
Roles & Responsibility : EPC
PV Module : JA Solar 620Wp (N-Type)
Inverter : Huawei
Status : COD 2/2024

Project Reference : Finished (COD)

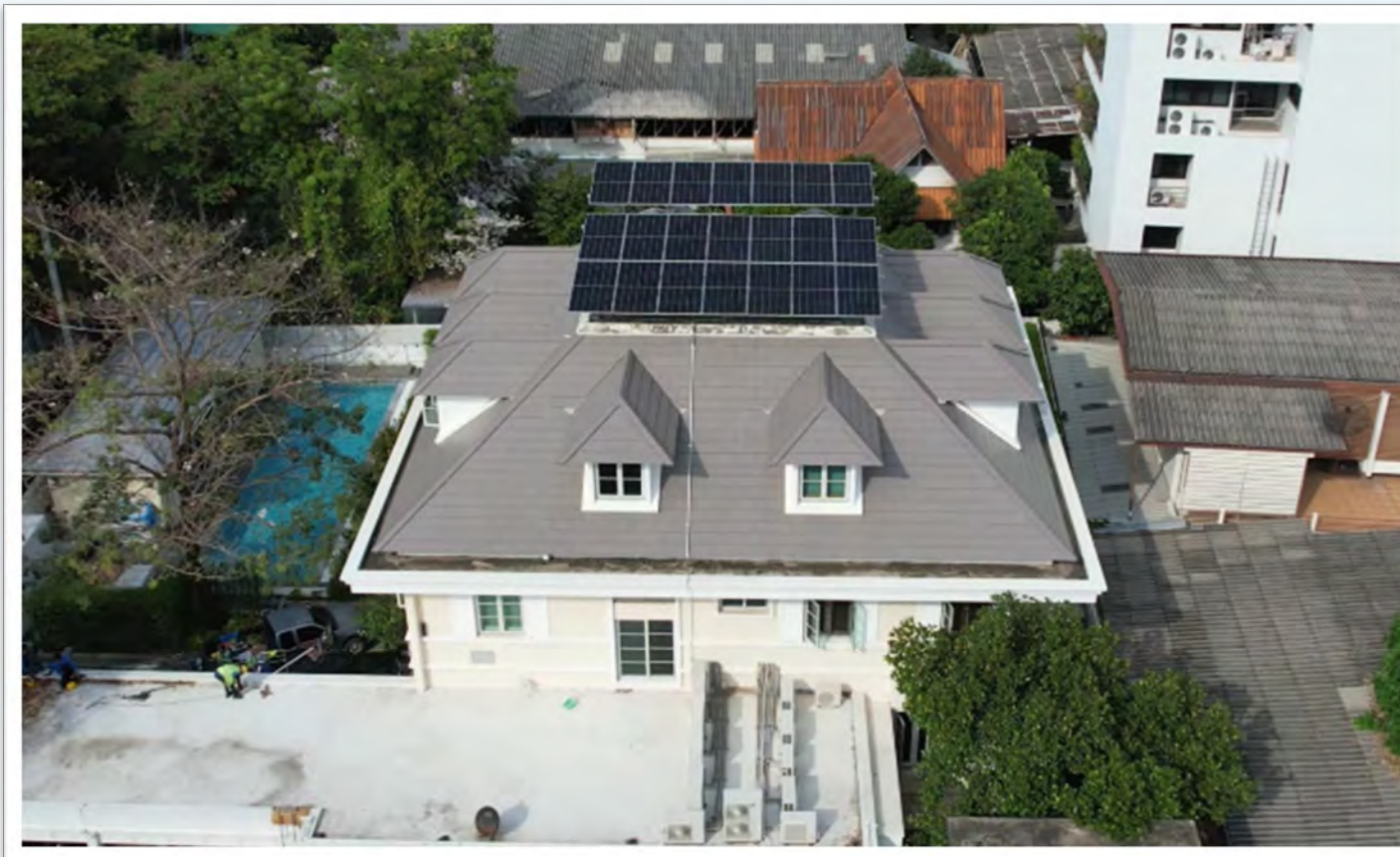


Client : HATAKABB (Simtianhor) Co.,Ltd . - HQ
Location : Bangkok
Installation Capacity : 57 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : JA Solar 620Wp (N -Type)
Inverter : Huawei
Status : COD 3/2024



Client : HATAKABB (Simtianhor) Co.,Ltd . – BR2
Location : Bangkok
Installation Capacity : 62 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : JA Solar 620Wp (N -Type)
Inverter : Huawei
Status : COD 3/2024

Project Reference : Finished (COD)



Client : Khun Chak Home
Location : Bangkok
Installation Capacity : 12 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : JA Solar 620Wp (N-Type)
Inverter : Huawei
Status : COD 2/2024



Client : RUM Body Co.,Ltd .
Location : Samutsakorn
Installation Capacity : 110 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : JA Solar 620Wp (N -Type)
Inverter : Sungrow
Status : COD 5/2024

Project Reference : Finished (COD)



Client : Interpro Plas Pack Co.,Ltd .
Location : Samutsakorn
Installation Capacity : 320 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : Risen Solar 585Wp (N -Type)
Inverter : Sungrow
Status : COD 2/2024



Project Reference : Finished (COD)



Client : Energy X Co.,Ltd .
Location : Bangkok - Praves
Installation Capacity : 52 kWp
Roles & Responsibility : EPC
PV Module : JA Solar 540Wp
Inverter : Huawei
Status : COD 12/2022



PROJECT

Electrical Contractor and EPC PPA

With PTT , PTT OR , GPSC , CHPP



PPA Hospital Group



- Capacity Hospital of EPC PPA ~ 30 MWp
- Design and Experience of more than 100+ projects



Nan Hospital Solar Rooftop Project



Client : Nan Hospital
Location : Nan
Installation Capacity : 513 kWp
Roles & Responsibility : EPC
PV Module : Risen 540Wp
Inverter : Huawei
Status : Under Design TOR

Main Contractor :



PPA Government ,University Group



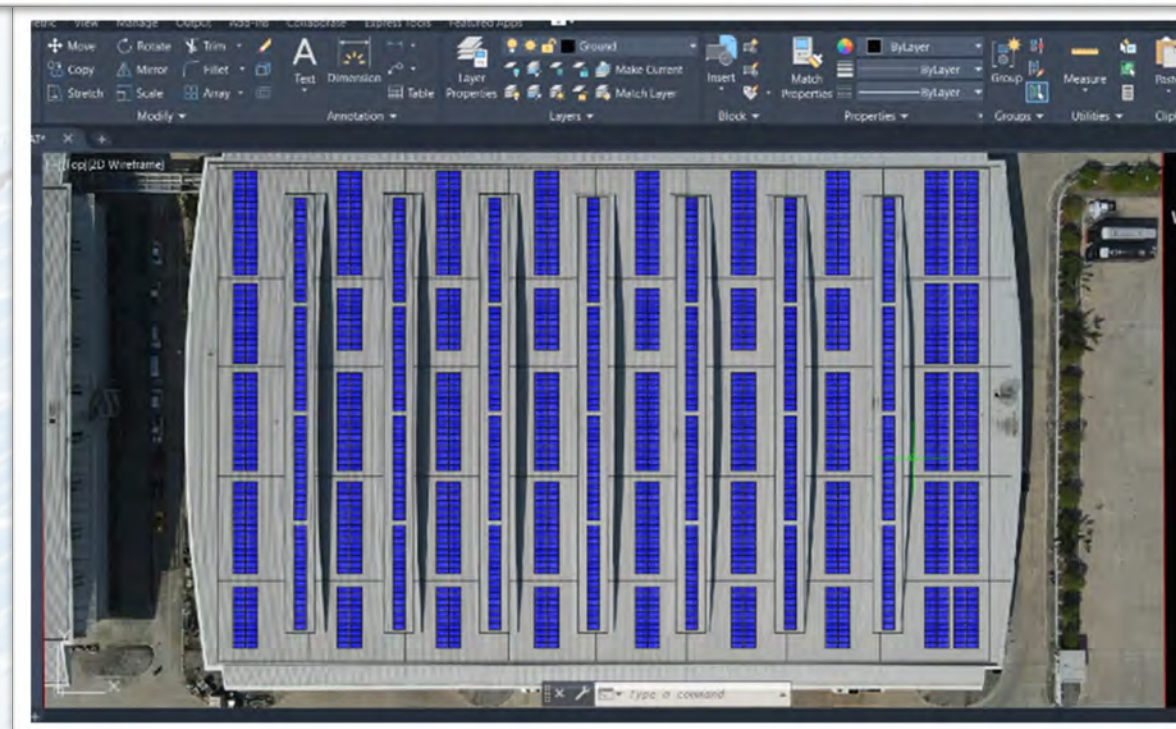
- Capacity GOV ,University of EPC PPA ~ 50 MWp
- Design and Experience of more than 100+ projects



Tobacco Authority of Thailand Solar Rooftop Project



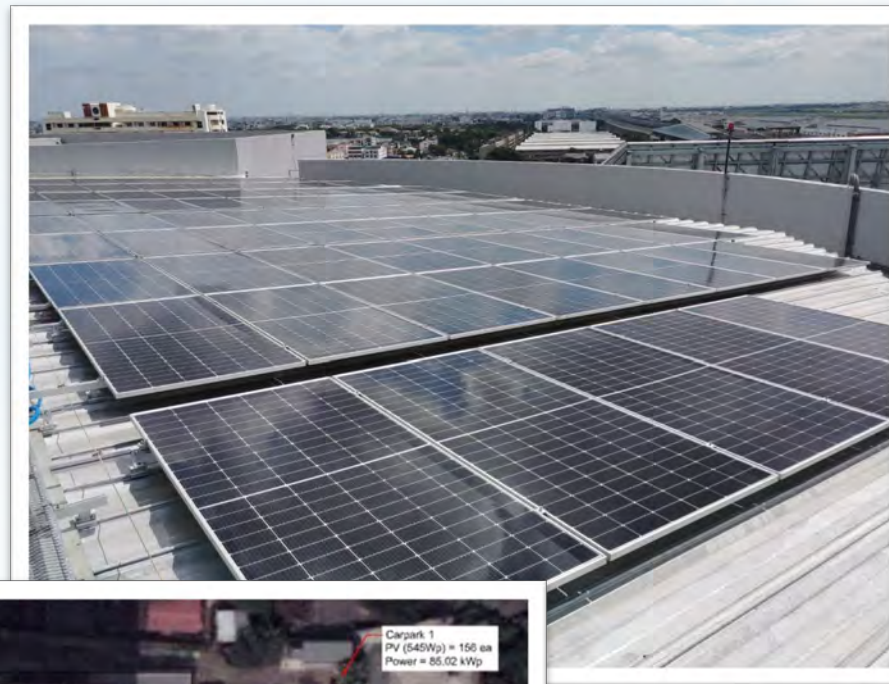
Client : Tobacco Authority of Thailand
Owner : PTT - CHPP
Location : Ayutthaya
Installation Capacity : 5,000 kWp
Roles & Responsibility : EPC
PV Module : JA Solar 540Wp
Inverter : Huawei
Status : Under Bidding



Main Contractor :



Enco(Enter) Solar Rooftop Project



Client : Enco Terminal

Owner : GPSC - CHPP

Location : Bangkok

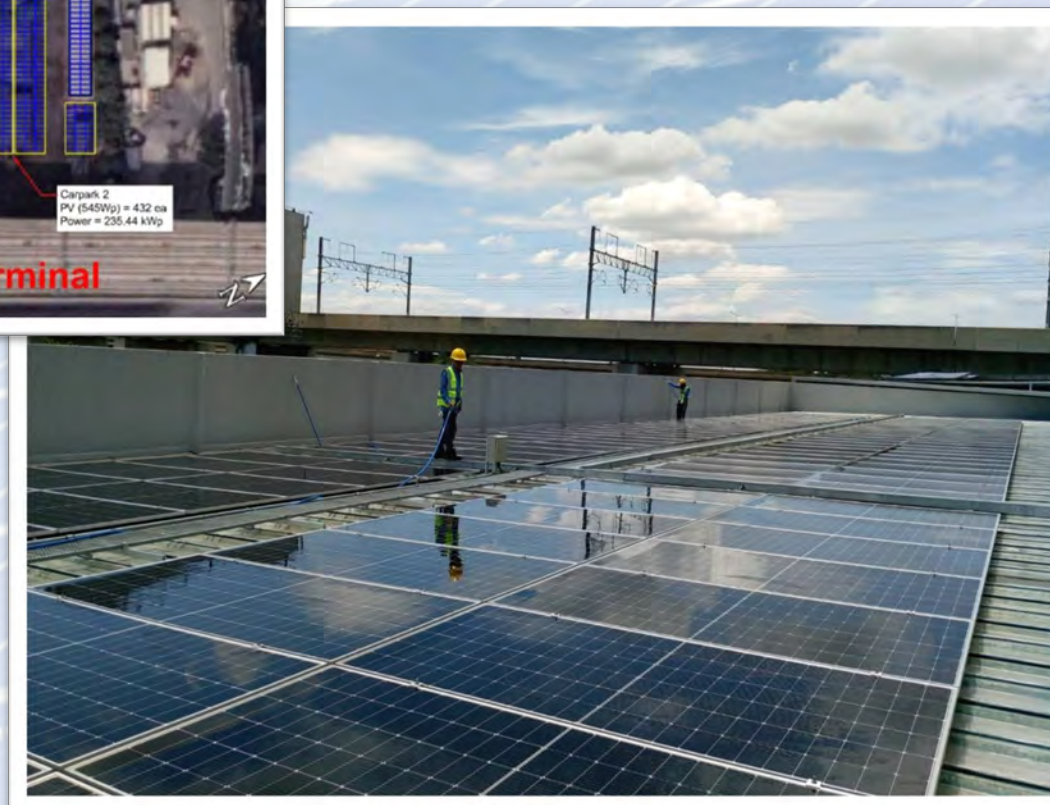
Installation Capacity : 548 kWp

Roles & Responsibility : BOS

PV Module : Jinko Solar 540Wp

Inverter : Huawei

Status : Trial Run System



PPA C&I Group



- Commercial & Industrial of EPC PPA
- Design and Experience of more than 100+ projects



BD Straws Co.,Ltd. Solar Rooftop Project



Client : BD Straws Co.,Ltd
Owner : PTT OR - CHPP
Location : Nakornnayok
Installation Capacity : 772 kWp
Roles & Responsibility : PPA
PV Module : Risen Solar 540Wp
Inverter : Huawei
Status : COD 2/2024



Thaipoly Plaspac Co.,Ltd. Solar Rooftop Project



Client : Thaipoly Plaspac Co.,Ltd
Location : Bangkok
Installation Capacity : 999.0 kWp
Roles & Responsibility : PPA
PV Module : Risen Solar 540Wp
Inverter : Huawei
Status : Under design



PROJECT

Under Construction



J-Mykies (Thai) Group Solar Rooftop Project



Client : J -Mykies (Thai) Group Co.,Ltd .
Location : Samut Prakarn
Installation Capacity : 410 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : JA Solar 620Wp N -Type
Inverter : Huawei
Status : Under Construction 70%



Mongkol Paisan Solar Rooftop Project



Client : Mongkol Paisan Poly Plas Co.,Ltd .
Location : Samutsakorn
Installation Capacity : 670 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : JA Solar 620Wp N -Type
Inverter : Huawei
Status : Under Construction 40%



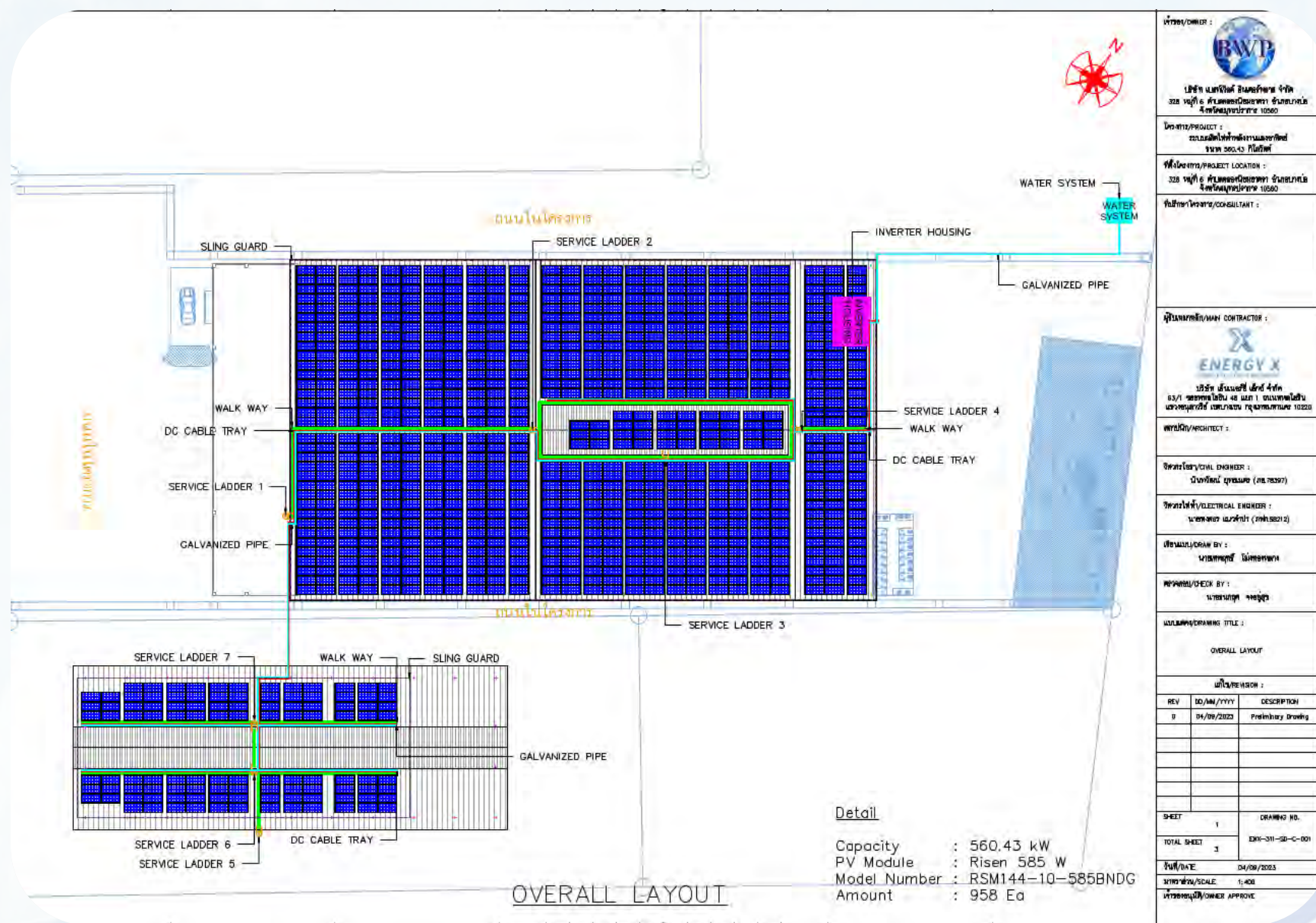
Chulaphat Plastic Solar Rooftop Project



Client : Chulaphat Plastic Co.,Ltd .
Location : Chachengsao
Installation Capacity : 160 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : JA Solar 620Wp N -Type
Inverter : Huawei
Status : Under Construction 30%



Best World Inter plas Solar Rooftop Project



Client : Best World Inter Plas Co.,Ltd .
Location : Samut Prakan - Bangbor
Installation Capacity : 560 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : Risen Solar 585Wp N-Type
Inverter : Huawei
Status : Under Construction

PROJECT PIPE LINE

Under Design



TPI-PL Solar Rooftop Project



Client : TPI -PL (Public) Co.Ltd .
Location : Pathumthani - Chiangrak
Installation Capacity : 426 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : Risen Solar 585Wp N -Type
Inverter : Huawei
Status : Under Contractual

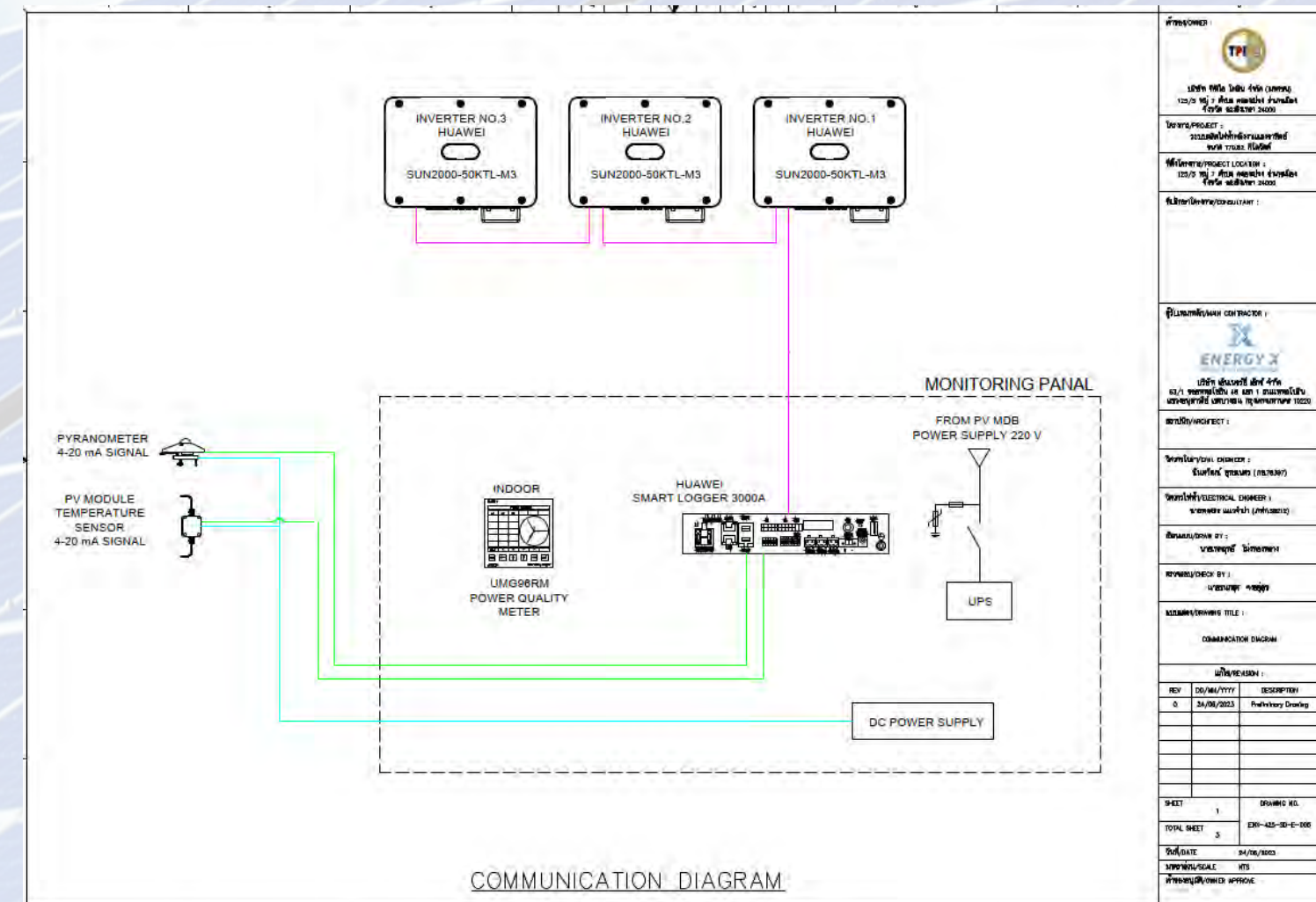
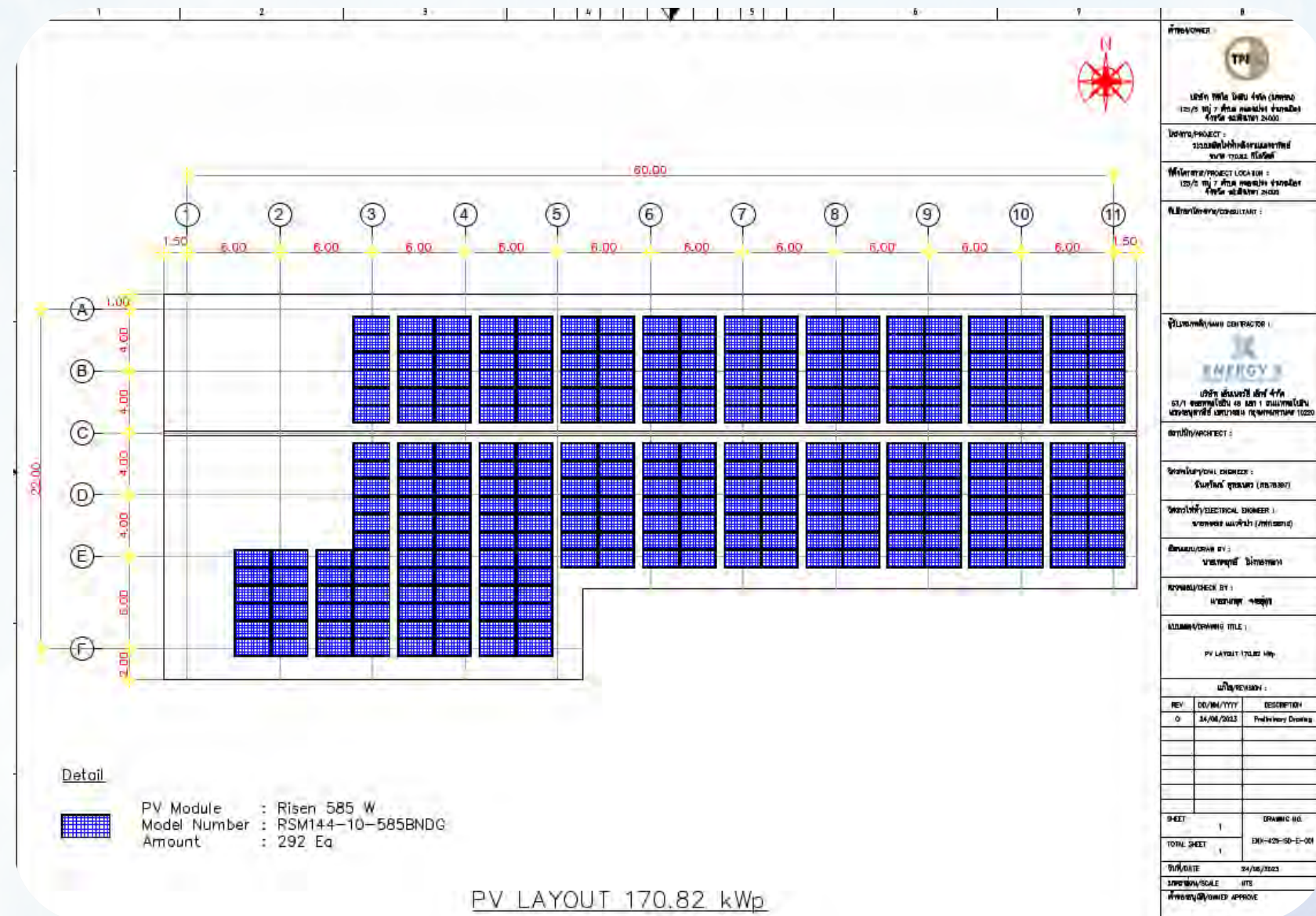


Client : TPI -PL (Public) Co.Ltd .
Location : Udonthani
Installation Capacity : 365 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : Risen Solar 585Wp N -Type
Inverter : Huawei
Status : Under Contractual

TPI-PL Solar Rooftop Project



Client : TPI -PL (Public) Co.Ltd .
Location : Chachengsao - Preng
Installation Capacity : 200 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : Risen Solar 585Wp N -Type
Inverter : Huawei
Status : Under Contractual



3 NOK Plas Pack Solar Rooftop Project



Client : 3 Nok Plaspak (Phase 2)

Location : Samut Prakan

Installation Capacity : 458 kWp

Roles & Responsibility : EPC Turn -Key

PV Module : JA Solar 630Wp N -Type

Inverter : Huawei

Status : Under Design

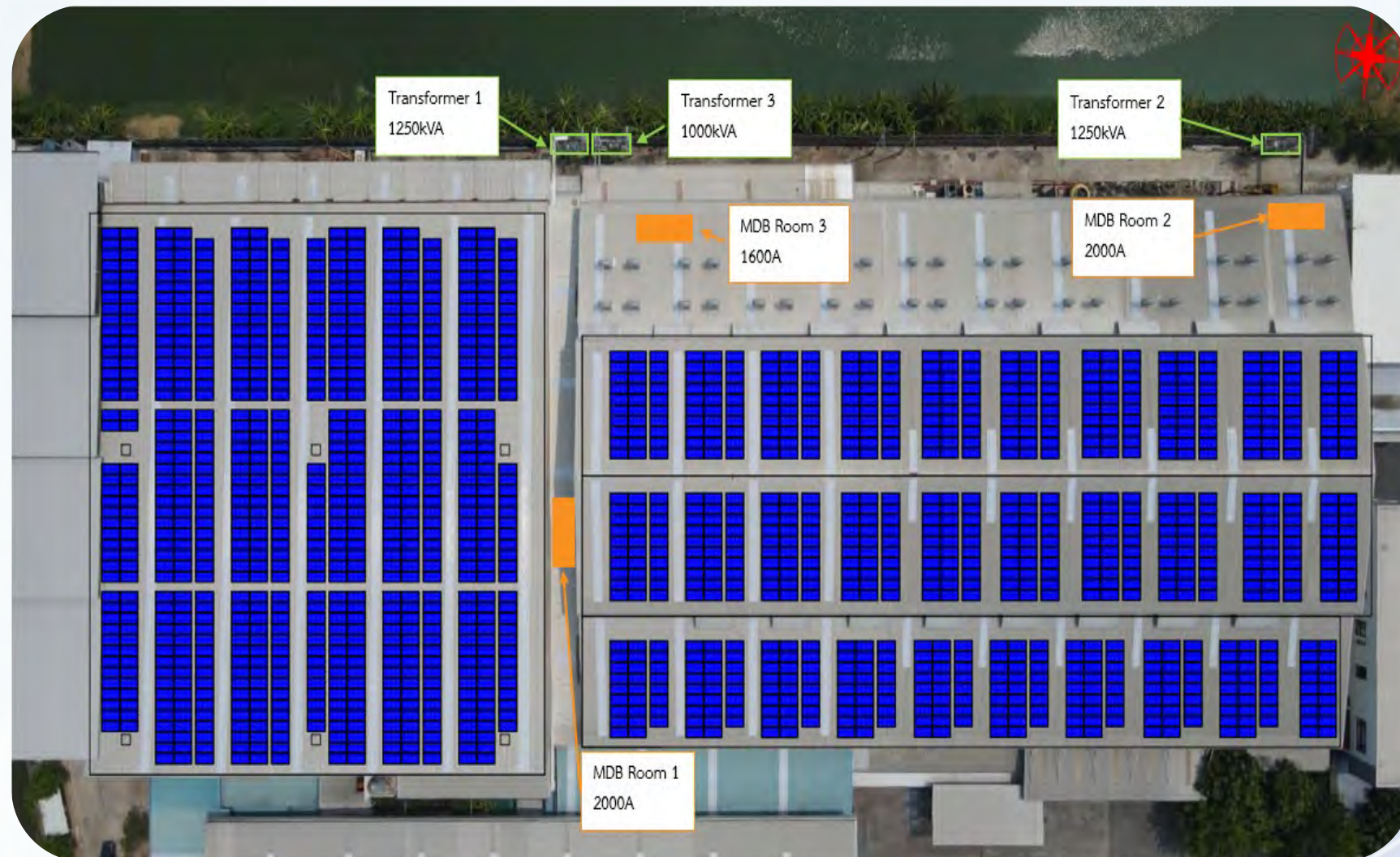
T PACK Packaging PLC Solar Rooftop Project



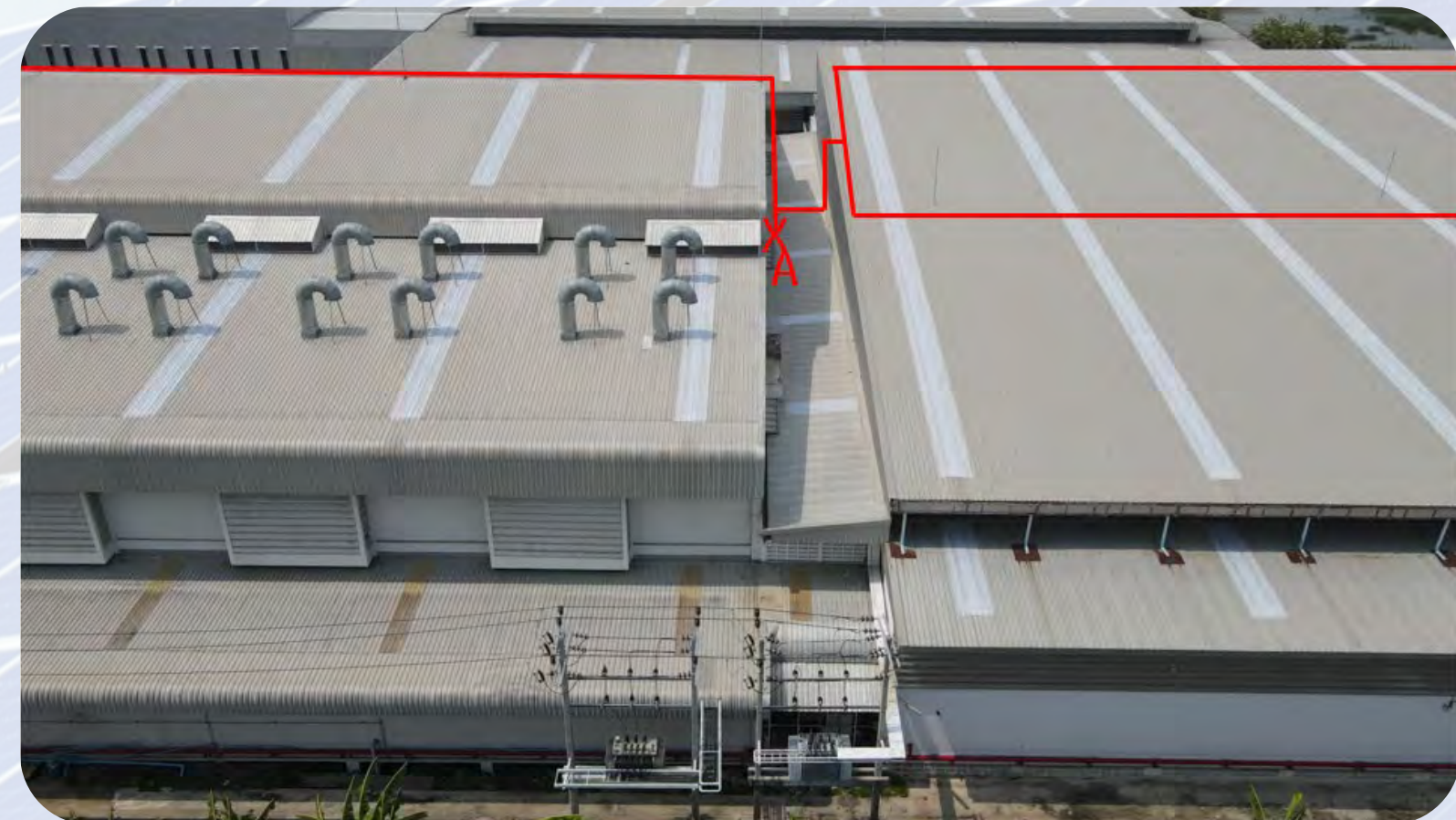
Client : TPAC Packaging PLC
Location : Samutprakarn
Installation Capacity : 999.4 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : Risen Solar 590Wp
Inverter : Huawei
Status : Under Design / Contractual



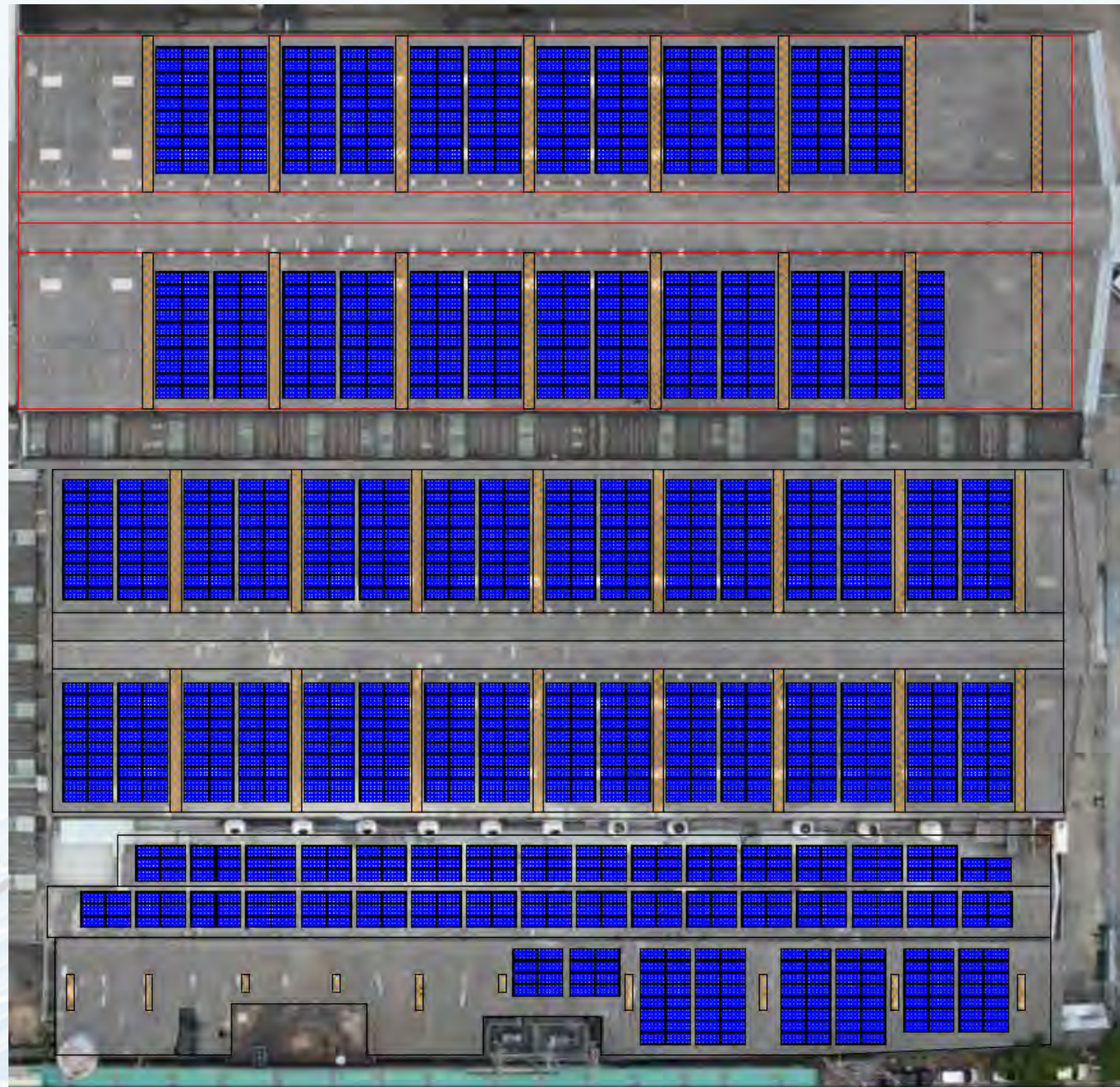
Sunee Industrial Plastic Solar Rooftop Project



Client : Sunee Industrial Plastic Co.Ltd .
Location : Samutprakarn (2 Plant)
Installation Capacity : 2,000 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : Risen Solar 590Wp (N-Type)
Inverter : Huawei
Status : Under Design / Contractual



Nanmee Solar Rooftop Project



Client : Nanmee Industrial Co.Ltd .

Location : Samutprakarn

Installation Capacity : 920 kWp

Roles & Responsibility : EPC Turn -Key

PV Module : Risen Solar 585Wp (N -Type)

Inverter : Huawei

Status : Under Design / Contractual

TPI-PP Solar Rooftop Project



Client : TPI -PP (Public) Co.Ltd .
Location : Saraburi
Installation Capacity : 999 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : JA Solar 630Wp N-Type
Inverter : Huawei
Status : Under Design

Client : TPI -PP (Public) Co.Ltd .
Location : Saraburi
Installation Capacity : 999 kWp
Roles & Responsibility : EPC Turn -Key
PV Module : JA Solar 630Wp N-Type
Inverter : Huawei
Status : Under Design

TPI-PP Solar Float Project 4 MW



Client : TPI -PP (Public) Co.Ltd .
Location : Saraburi
Installation Capacity : 4 MWp
Roles & Responsibility : EPC Turn -Key
PV Module : JA Solar 630Wp N -Type
Inverter : Huawei
Status : Under Design

THANK YOU