


		PT ENERGIA PRIMA NUSANTARA Jl. Rawagelam I No. 9, Kawasan Industri Pulogadung, Jakarta Timur 13930 - Indonesia Telp.: (021) 4602015, Fax : (021) 4601916					 PT. CENTURY BATTERIES INDONESIA							
DAILY PROGRESS REPORT														
NAMA PROYEK		Solar PV Rooftop - CBI Project				KLIEN		PT Century Batteries Indonesia						
ALAMAT PROYEK		Jl. Mitra Raya Selatan I Blok E No.17-18 Karawang				SOLAR DEVELOPER		PT Energia Prima Nusantara						
TANGGAL		21 Agustus 2024				CONTRACTOR		PT Energia Prima Nusantara						
						LAMPIRAN		S-Curve		Daftar Hadir TBM dan Checkup				
								Laporan Pekerjaan & Cuaca Harian		Dokumentasi Pekerjaan				
NO	EPN - Solar PV Rooftop Project - PT CBI 1022,42 kWp						PROGRES PEKERJAAN							
Scope of Work		BOBOT	QTY	SATUAN	KETERANGAN	PROGRES	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug	Note / Kendala
Detailed Engineering Design (DED)		2,00%												
1	Detail Engineering Design & Approval - Solar PV Rooftop	1,00%	100	%	Plan	0,00%								
					Aktual	0,00%								
2	Final Survey	1,00%	100	%	Plan	0,00%								
					Aktual	0,00%								
Procurement		39,40%												
3	PV Module	5,00%	100	%	Plan	20,00%	0,14%	0,14%	0,14%	0,14%	0,14%	0,14%	0,14%	
					Aktual	25,40%					25			
4	Inverter	2,82%	100	%	Plan	25,00%	0,10%	0,10%	0,10%	0,10%	0,10%	0,10%	0,10%	
					Aktual	0,00%								
5	Kabel Power	2,70%	100	%	Plan	20,00%	0,08%	0,08%	0,08%	0,08%	0,08%	0,08%	0,08%	
					Aktual	0,00%								
6	Mounting System	3,00%	100	%	Plan	20,00%	0,09%	0,09%	0,09%	0,09%	0,09%	0,09%	0,09%	
					Aktual	0,00%								
7	Curent Trasnformer	2,00%	100	%	Plan	0,00%								
					Aktual	0,00%								
8	Water cleaning System	3,00%	100	%	Plan	20,00%	0,09%	0,09%	0,09%	0,09%	0,09%	0,09%	0,09%	
					Aktual	0,00%								
9	Panel AC Protection Box	2,54%	100	%	Plan	0,00%								
					Aktual	0,00%								
10	Monitoring System	3,00%	100	%	Plan	20,00%	0,09%	0,09%	0,09%	0,09%	0,09%	0,09%	0,09%	
					Aktual	0,00%								
11	Panel DC Combiner Box	2,00%	100	%	Plan	25,00%	0,07%	0,07%	0,07%	0,07%	0,07%	0,07%	0,07%	
					Aktual	0,00%								
12	Cable Management & Aceccories	6,81%	100	%	Plan	17,86%	0,24%	0,24%	0,24%	0,24%	0,24%			
					Aktual	0,00%								
13	Shelter Inverter	6,52%	100	%	Plan	0,00%								
					Aktual	0,00%								
Construction		58,60%												
14	Site Preparation	2,60%			Plan	0,00%								
					Aktual	9,09%				0,08%	0,08%	0,08%		
14.a	Induction	0,87%	21	Orang	Plan	0,00%								
					Aktual	0,00%								
14.b	Scaffolding Preparation	0,87%	11	Titik	Plan	0,00%								
					Aktual	27,27%				1,00	1,00	1,00		
14.c	Tools	0,87%	100	%	Plan	0,00%								
					Aktual	0,00%								
15	PV Mounting Installation	8,46%			Plan	23,81%	0,40%	0,40%	0,40%	0,40%	0,40%			
					Aktual	1,70%				0,07%	0,07%			
15.a	Cliplock / L Feet Installation	2,54%	4777	Pcs	Plan	23,81%	227,48	227,48	227,48	227,48	227,48			
					Aktual	5,65%				135,00	135,00			
15.b	Alumunium Rail Installation	5,93%	1887	Pcs	Plan	23,81%	89,86	89,86	89,86	89,86	89,86			
					Aktual	0,00%								
16	PV Module Installation	14,86%			Plan	25,00%	0,53%	0,53%	0,53%	0,53%	0,53%	0,53%	0,53%	
					Aktual	19,22%	0,39%		0,73%	0,82%	0,34%	0,58%		
16.a	Mobilisasi PV Module	1,49%	1876	Pcs	Plan	25,00%	67,00	67,00	67,00	67,00	67,00	67,00	67,00	
					Aktual	16,58%	83,00		107,00			121,00		
16.b	Lifting PV Module	5,94%	1876	Pcs	Plan	25,00%	67,00	67,00	67,00	67,00	67,00	67,00	67,00	
					Aktual	16,58%	83,00		107,00			121,00		
16.c	Moving PV Module	1,49%	1876	Pcs	Plan	25,00%	67,00	67,00	67,00	67,00	67,00	67,00	67,00	
					Aktual	16,58%	83,00		107,00			121,00		
16.d	Installation PV Module	5,94%	1876	Pcs	Plan	25,00%	67,00	67,00	67,00	67,00	67,00	67,00	67,00	
					Aktual	23,19%			70,00	258,00	107,00			
17	Shelter Inverter Installation	2,12%			Plan	25,00%	0,08%	0,08%	0,08%	0,08%	0,08%	0,08%	0,08%	
					Aktual	0,00%								
17.a	Mobilisasi Material	0,42%	4	Shelter	Plan	25,00%	0,14	0,14	0,14	0,14	0,14	0,14	0,14	
					Aktual	0,00%								
17.b	Lifting Material	0,42%	4	Shelter	Plan	25,00%	0,14	0,14	0,14	0,14	0,14	0,14	0,14	
					Aktual	0,00%								
17.c	Process Welding	0,85%	4	Shelter	Plan	25,00%	0,14	0,14	0,14	0,14	0,14	0,14	0,14	
					Aktual	0,00%								
17.d	Roofing Installation	0,32%	4	Shelter	Plan	25,00%	0,14	0,14	0,14	0,14	0,14	0,14	0,14	
					Aktual	0,00%								
17.e	Finishing	0,11%	4	Shelter	Plan	25,00%	0,14	0,14	0,14	0,14	0,14	0,14	0,14	
					Aktual	0,00%								
18	Inverter Installation	3,74%			Plan	14,29%						0,27%	0,27%	
					Aktual	0,00%								
18.a	Lifting Material	1,87%	18	Unit	Plan	14,29%						1,29	1,29	
					Aktual	0,00%								
18.b	Installation Inverter	1,87%	18	Unit	Plan	14,29%						1,29	1,29	
					Aktual	0,00%								
19	DC Tray Installation	3,07%			Plan	0,00%								
					Aktual	0,00%								
19.a	Fabrication	0,92%	100	%	Plan	0,00%								
					Aktual	0,00%								
19.b	Lifting Material	0,92%	2129	Meter	Plan	0,00%								
					Aktual	0,00%								
19.c	DC Tray Installation	1,23%	2129	Meter	Plan	0,00%								
					Aktual	0,00%								
20	AC Tray Installation	3,07%			Plan	0,00%								
					Aktual	0,00%								
20.a	Fabrication	0,92%	100	%	Plan	0,00%								
					Aktual	0,00%								
20.b	Lifting Material	0,92%	376	Meter	Plan	0,00%								
					Aktual	0,00%								
20.c	AC Tray Installation	1,23%	376	Meter	Plan	0,00%								
					Aktual	0,00%								
21	DC Cable Pulling	5,70%			Plan	0,00%								
					Aktual	0,00%								
21.a	Lifting Material	1,14%	208	Tarikan	Plan	0,00%								
					Aktual	0,00%								
21.b	Pulling Cable	4,56%	208	Tarikan	Plan	0,00%								
					Aktual	0,00%								
22	AC Cable Pulling	4,48%			Plan	0,00%								
					Aktual	0,00%								
22.a	Inverter to Panel AC	3,13%	18	Inverter	Plan	0,00%								
					Aktual	0,00%								
22.b	Panel AC to Existing	1,34%	5	Panel AC	Plan	0,00%								
					Aktual	0,00%								

23	DCDB Installation	1,63%			Plan	0,00%									
					Aktual	0,00%									
23.a	Lifting Material	0,49%	12	Unit	Plan	0,00%									
					Aktual	0,00%									
23.b	Panel Installation	0,49%	12	Unit	Plan	0,00%									
					Aktual	0,00%									
23.c	Wiring Cable	0,65%	12	Unit	Plan	0,00%									
					Aktual	0,00%									
24	ACDB Installation	1,63%			Plan	0,00%									
					Aktual	0,00%									
24.a	Lifting Material	0,49%	5	Unit	Plan	0,00%									
					Aktual	0,00%									
24.b	Panel Installation	0,49%	5	Unit	Plan	0,00%									
					Aktual	0,00%									
24.c	Wiring Cable	0,65%	5	Unit	Plan	0,00%									
					Aktual	0,00%									
25	Grounding Installation	1,63%			Plan	0,00%									
					Aktual	0,00%									
25.a	Lifting Material	0,49%	4115	Meter	Plan	0,00%									
					Aktual	0,00%									
25.b	Pulling Cable	0,49%	4115	Meter	Plan	0,00%									
					Aktual	0,00%									
25.c	Wiring Cable	0,65%	4115	Meter	Plan	0,00%									
					Aktual	0,00%									
26	Monitoring System Installation	0,53%			Plan	0,00%									
					Aktual	0,00%									
26.a	Moving Material	0,13%	4	Assy	Plan	0,00%									
					Aktual	0,00%									
26.b	Panel Installation	0,13%	4	Assy	Plan	0,00%									
					Aktual	0,00%									
26.c	Setting System Monitoring	0,26%	4	Assy	Plan	0,00%									
					Aktual	0,00%									
27	Waterpipe System Installation	0,98%			Plan	0,00%									
					Aktual	0,00%									
27.a	Lifting Material	0,10%	100	%	Plan	0,00%									
					Aktual	0,00%									
27.b	Piping	0,39%	1600	Meter	Plan	0,00%									
					Aktual	0,00%									
27.c	Water Tap Installation	0,24%	11	Titik	Plan	0,00%									
					Aktual	0,00%									
27.d	Water Pump Installation	0,24%	2	Unit	Plan	0,00%									
					Aktual	0,00%									
28	Interconnection to Existing	1,95%			Plan	0,00%									
					Aktual	0,00%									
28.a	Preparation	0,39%	4	Panel	Plan	0,00%									
					Aktual	0,00%									
28.b	Tapping Cable to Existing	1,56%	4	Panel	Plan	0,00%									
					Aktual	0,00%									
29	Pre Commissioning	0,98%			Plan	0,00%									
					Aktual	0,00%									
29.a	Cable Measurement	0,33%	5	Station	Plan	0,00%									
					Aktual	0,00%									
29.b	Checkin of Installed Materials & systems PLTS	0,33%	5	Station	Plan	0,00%									
					Aktual	0,00%									
29.c	Testing & Pre Commissioning	0,33%	5	Station	Plan	0,00%									
					Aktual	0,00%									
30	Testing & Commisioning	1,18%			Plan	0,00%									
					Aktual	0,00%									
30.a	Cable Measurement	0,39%	5	Station	Plan	0,00%									
					Aktual	0,00%									
30.b	Checkin of installed materials & systems PLTS	0,39%	5	Station	Plan	0,00%									
					Aktual	0,00%									
30.c	Testing & Commisioning User	0,39%	5	Station	Plan	0,00%									
					Aktual	0,00%									
TOTAL		100,00%				Tanggal	16-Aug	17-Aug	18-Aug	19-Aug	20-Aug	21-Aug	22-Aug		
						Plan	1,90%	1,90%	1,90%	1,90%	1,90%	1,52%			
						Aktual	0,39%	0,00%	0,73%	0,97%	1,76%	0,65%			

Tanggal	21 Agustus 2024
Plan	1,52%
Akumulasi	54,89%
Actual	0,65%
Akumulasi	53,18%
Deviasi	-1,72%

General Comments :
- Pemasangan Scaffolding di Gedung Office
- Pemasangan Scaffolding di Gedung Loker
- Lifting PV Module di Gedung G

SUBMITTED BY		APPROVED BY
		
Fhadli Zhilal	M Badrudin	Nicko Oktavianda
Project Control & QC	Operational Coord	Site Manager / Project Coord
Project Management	Project Management	Project Management
EPN	EPN	EPN



S - CURVE PROJECT PLTS 1,02 MWP
PT Century Batteries Indonesia - Karawang, Jawa Barat
Tanggal Update : 21 Agustus 2024



PT. CENTURY BATTERIES INDONESIA




NO	EPN - Solar PV Rooftop Project - PT CBI 1022,42 kWp						PROGRES PEKERJAAN												
							W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12	W13
	Scope of Work						03-Jul	05-Jul	12-Jul	19-Jul	26-Jul	02-Aug	09-Aug	16-Aug	23-Aug	30-Aug	06-Sep	13-Sep	20-Sep
Detailed Engineering Design (DED)		2,00%																	
1	Detail Engineering Design & Approval - Solar PV Rooftop	1,00%	100	%	Plan	100,00%	0,20%	0,20%	0,20%	0,20%	0,20%								
					Aktual	100,00%	0,087%	0,304%	0,304%										
2	Final Survey	1,00%	100	%	Plan	100,00%			0,29%	0,71%									
					Aktual	100,00%				1,000%									
Procurement		39,40%																	
3	PV Module	5,00%	100	%	Plan	100,00%					1,00%	1,00%	1,00%	1,00%	1,00%				
					Aktual	65,00%					1,250%		0,730%	1,270%					
4	Inverter	2,82%	100	%	Plan	100,00%					0,71%	0,71%	0,71%	0,71%					
					Aktual	100,00%					0,783%	2,037%							
5	Kabel Power	2,70%	100	%	Plan	100,00%				0,54%	0,54%	0,54%	0,54%	0,54%					
					Aktual	83,33%					1,350%	0,900%							
6	Mounting System	3,00%	100	%	Plan	100,00%				0,60%	0,60%	0,60%	0,60%	0,60%					
					Aktual	75,00%				0,750%	0,750%	0,750%							
7	Curent Trasformer	2,00%	100	%	Plan	100,00%					1,00%	1,00%							
					Aktual	100,00%					2,000%								
8	Water cleaning System	3,00%	100	%	Plan	100,00%					0,60%	0,60%	0,60%	0,60%	0,60%				
					Aktual	27,78%					0,500%	0,333%							
9	Panel AC Protection Box	2,54%	100	%	Plan	100,00%				0,64%	0,64%	0,64%	0,64%						
					Aktual	45,83%				0,423%	0,423%	0,318%							
10	Monitoring System	3,00%	100	%	Plan	100,00%				0,60%	0,60%	0,60%	0,60%	0,60%					
					Aktual	89,00%				1,000%	0,750%	0,750%	0,170%						
11	Panel DC Combiner Box	2,00%	100	%	Plan	100,00%								0,50%	0,50%	0,50%	0,50%		
					Aktual	83,00%					0,500%	0,500%	0,660%						
12	Cable Management & Aceccories	6,81%	100	%	Plan	100,00%				0,49%	1,70%	1,70%	1,70%	1,22%					
					Aktual	90,00%				1,362%	1,362%		3,406%						
13	Shelter Inverter	6,52%	100	%	Plan	100,00%			0,62%	2,17%	2,17%	1,55%							
					Aktual	100,00%					6,525%								
Construction		58,60%																	
14	Site Preparation	2,60%			Plan	100,00%			0,37%	1,30%	0,93%								
					Aktual	90,62%				1,16%	0,32%	0,57%	0,08%	0,1%	0,18%				
15	PV Mounting Installation	8,46%			Plan	100,00%					0,81%	2,82%	2,82%	2,02%					
					Aktual	89,84%					0,31%	3,54%	3,61%	0,14%					
16	PV Module Installation	14,86%			Plan	100,00%						0,59%	1,74%	0,4%					
					Aktual	43,48%						0,59%	1,74%	0,4%					
17	Shelter Inverter Installation	2,12%			Plan	100,00%					0,15%	0,53%	0,53%	0,38%					
					Aktual	92,10%					1,19%	0,76%	0,4%						
18	Inverter Installation	3,74%			Plan	100,00%								0,53%	1,87%	1,34%			
					Aktual	33,33%								0,62%	0,62%				
19	DC Tray Installation	3,07%			Plan	100,00%										0,29%	1,02%	1,02%	0,73%
					Aktual	0,00%													
20	AC Tray Installation	3,07%			Plan	100,00%										0,44%	1,53%	1,10%	
					Aktual	0,00%													
21	DC Cable Pulling	5,70%			Plan	100,00%											0,81%	2,85%	2,03%
					Aktual	0,00%													
22	AC Cable Pulling	4,48%			Plan	100,00%											0,64%	2,24%	1,60%
					Aktual	0,00%													
23	DCDB Installation	1,63%			Plan	100,00%												0,47%	1,16%
					Aktual	0,00%													
24	ACDB Installation	1,63%			Plan	100,00%												0,47%	1,16%
					Aktual	0,00%													
25	Grounding Installation	1,63%			Plan	100,00%											0,23%	0,81%	0,58%
					Aktual	0,00%													
26	Monitoring System Installation	0,53%			Plan	100,00%												0,15%	0,38%
					Aktual	0,00%													
27	Waterpipe System Installation	0,98%			Plan	100,00%										0,09%	0,33%	0,33%	0,23%
					Aktual	0,00%													
28	Interconnection to Existing	1,95%			Plan	100,00%												0,39%	1,56%
					Aktual	0,00%													
29	Pre Commissioning	0,98%			Plan	100,00%												0,20%	0,78%
					Aktual	0,00%													
30	Testing & Commissioning	1,18%			Plan	100,00%												0,24%	0,94%
					Aktual	0,00%													
TOTAL		100,00%																	
Progres Rencana							0,20%	0,20%	1,48%	7,25%	11,65%	12,29%	10,79%	12,56%	8,06%	6,38%	7,72%	10,25%	11,17%
Akumulasi Rencana							0,20%	0,40%	1,88%	9,13%	20,78%	33,06%	43,86%	56,42%	64,48%	70,86%	78,58%	88,83%	100,00%
Progres Aktual							0,09%	0,30%	0,30%	6,00%	18,01%	11,67%	12,30%	4,51%					
Akumulasi							0,09%	0,39%	0,70%	6,69%	24,70%	36,37%	48,67%	53,18%					
Deviasi							-0,11%	-0,01%	-1,18%	-2,44%	3,92%	3,31%	4,81%	-3,24%					


SUBMITTED BY		APPROVED BY
Fhadli Zhilal	M Badrudin	Nicko Oktavianda
Project Control & QC	Operational Coord	Site Manager / Project Coord
Project Management	Project Management	Project Management
EPN	EPN	EPN

DAFTAR HADIR

Agenda		Daily Meeting / Coordination / SHE Talk Solar PV Rooftop Project - PT Century Batteries Indonesia		
HARI / TANGGAL	TEMPAT	PT Century Batteries Indonesia		
WAKTU	NOTULEN	Zahran Waldan s1		
NO	NAMA	JABATAN	RENCANA KERJA	TANDA TANGAN
1	Zaelani	SHE - CBI	1. Fitting PV module di Gd. G	1
2	Nicko Oktavianda	PJO	2. Melakukan pekerjaan di Gd. office	2
3	M. Badrudin	Site Manager	3. Pekerjaan mounting PV module di Gd. office	3
4	Surya Wirawan	HSE Officer	4. Pendirian scaffolding di area loker	4
5	Fhadil Zhilal	Project Control		5
6	Ade Rusmana	SPV		6
7	Asep Saepul	SPV		7
8	Zahran Waldan Maizulnizam	Supporting Project Control		8
9	Lumban Gaol. Yosep Geoffrey	Supporting Project Control		9
10	Apip Supardi	Technician		10
11	Ecep Ajat Darajat	Technician		11
12	Asep Edwin Nurdiansyah	Technician		12
13	Devi Suhaepi	Technician		13
14	Mulyadi	Technician		14
15	Karlinudin	Technician		15
16	Mardian	Technician		16
17	Supriatna	Technician		17
18	Wamin	Technician		18
19	Hendra	Technician		19
20	Asep Hoeru Rizal	Technician		20
21	Kuswendi	Technician		21
22	Riki Ardiansyah	Technician		22
23				23
24				24
25				25

ISSUE / CONCERN ITEMS	DUE DATE	PIC	STATUS
Material			
Manpower			
Machine			
Methode			
Environment			

Minutes by	Submitted by	Approved by
		
Project Control	Operation Coordination	Site Manager (PJO)

	FORM PEMERIKSAAN KESEHATAN		No. Dok	: GPP/HSE/Health Check
			Rev.	: 0
	PT ENERGIA PRIMA NUSANTARA		Tanggal	: 1 Januari 2024

Nama Proyek : PV Rooftop Project
 Lokasi : PT Century Batteries Indonesia
 Tanggal : 21/08/2024

Petugas : Surya
 Alat Ukur : Tensi Meter & Saturasi Oxymeter

No	Nama	Posisi	Hasil Pengukuran			Keterangan
			Tensi Darah	SPO2	Denyut Nadi	
1	M. Badrudin	SM	120/71	95	81	Normal
2	Surya Wirawan	HSE	132/80	92	89	Normal
3	Fhadil Zhilal	PC	—			
4	Zahrar Waldan Maizulnizam	PC	105/62	90	82	Normal
5	Lumban Gaol. Yosep Geoffrey	PC	118/65	98	80	Normal
6	Asep Saepul	SPV	120/84	95	83	Normal
7	Ade Rusmana	SPV	105/70	99	81	Normal
8	Apip Supardi	Technician	106/62	90	92	Normal
9	Ecep Ajat Darajat	Technician	109/69	93	99	Normal
10	Devi Suhaepi	Technician	124/81	88	89	Normal
11	Mulyadi	Technician	138/82	90	91	Normal
12	Karlinudin	Technician	121/83	93	89	Normal
13	Mardian	Technician	133/73	97	90	Normal
14	Hendra	Technician	95/69	99	99	Normal
15	Supriatna	Helper	109/77	95	87	Normal
16	Wamin	Helper	107/72	98	86	Normal
17	Asep Hoeru Rizal	Helper	99/64	96	88	Normal
18	Kuswendi	Helper	113/85	99	93	Normal
19	Riki Ardiansyah	Helper	128/79	93	89	Normal
20	Asep Edwin Nurdiansyah	Helper	140/84	95	92	Normal
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

Pada 21 Agustus 2024
 Dilaporkan Oleh

 HSE Officer

Diketahui Oleh

 Site Manager

**PT ENERGiA PRIMA NUSANTARA**

Jl. Rawagelam 1 No. 9, Kawasan Industri Pulogadung, Jakarta Timur 13930 - Indonesia
Telp.: (021) 4602015, Fax : (021) 4601916

**LAPORAN PEKERJAAN & CUACA HARIAN**

TANGGAL: 21/08/24

Jam Kerja		Hujan (m)	Kerja (m)	Deskripsi Pekerjaan	Issue / Kendala
07:00	07:30		30	TBM dan Daily Meeting	
07:30	08:00		30		
08:00	08:30			Pemungutan listrik PU mobil di area Gd. 6	
08:30	09:00			Melakukan pekerjaan pendirian scaffolding	
09:00	09:30			di area OFFICE	
09:30	10:00				
10:00	10:30				
10:30	11:00				
11:00	11:30				
11:30	12:00				
12:00	12:30		30	Istirahat	
12:30	13:00		30	Istirahat	
13:00	13:30				
13:30	14:00			Pendirian scaffolding di area loker	
14:00	14:30				
14:30	15:00			Melakukan Pekerjaan	
15:00	15:30				
15:30	16:00				
16:00	16:30				
16:30	17:00				
17:00	17:30				
17:30	18:00				
TOTAL					

Jumlah Pekerja : 20 Orang
Inspection / Observation : 1 x/hari
HSE Meeting : 1 x/hari



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Lampiran 2

DOKUMENTASI HARIAN

Tanggal : 21 Agustus 2024



Foto 1. P5M & Toolbox Meeting



Foto 2. Cek Fit to Work



Foto 3. Pemasangan Scaffolding



Foto 4. Lifting PV Module di Gedung G



Foto 5. Lifting PV Module di Gedung G

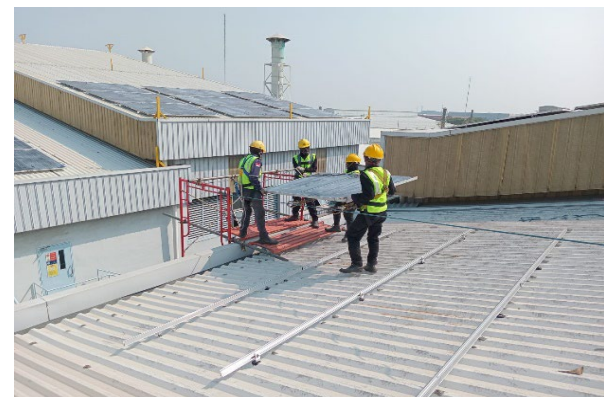


Foto 6. Lifting PV Module di Gedung G



Foto 7. Lifting PV Module di Gedung G



Foto 8. Lifting PV Module di Gedung G