TEKNIKO
CONSTRUCTION & STEEL FABRICATION

Presentation

Major Project

• February 2025 •

[Cikarang Listrindo]	FHS & LHS, CFPP 3x140 MW
[Cirebon Electric Power]	Cirebon 1, CFPP 1x660 MW
[Cirebon Energi Prasarana]	Cirebon 2, CFPP 1x1000 MW
[Rajamandala Electric Power]	Rajamandala HEPP 47 MW
[Tanggamus Electric Power]	Semangka HEPP 2x28 MW
[Jawa Satu Power]	Jawa 1 CCPP 2x800 MW
[Pertamina]	RDMP RUVBalikpapan
[PLN]	Kalselteng CFSPP 2 x 100 MW
[Lotte Chemical Indonesia]	(LINE) Lotte Indonesia New Ethylene Complex

Content

1 **Project Location**

The area or areas where the project materials and equipment and any other energy related equipment, as described in the scope of work, are installed, and the general area where the work is performed

2 **Project Overview**

An outline of a project that describes important details about it, includes basic information, such as the project name, project manager, and sponsors. It also includes detailed information that summarizes the project's value

3 **Scope of Work**

The required work to complete a project. It also includes project milestones, deliverables, reports, etc. A well-defined scope of work helps achieve project objectives with the least hassle

4 **Photograph**

Any documentation in the form of pictures of the work that is being done and has been done in the project concerned

Cikarang Listrindo

Fuel Handling System & Limestone Handling System

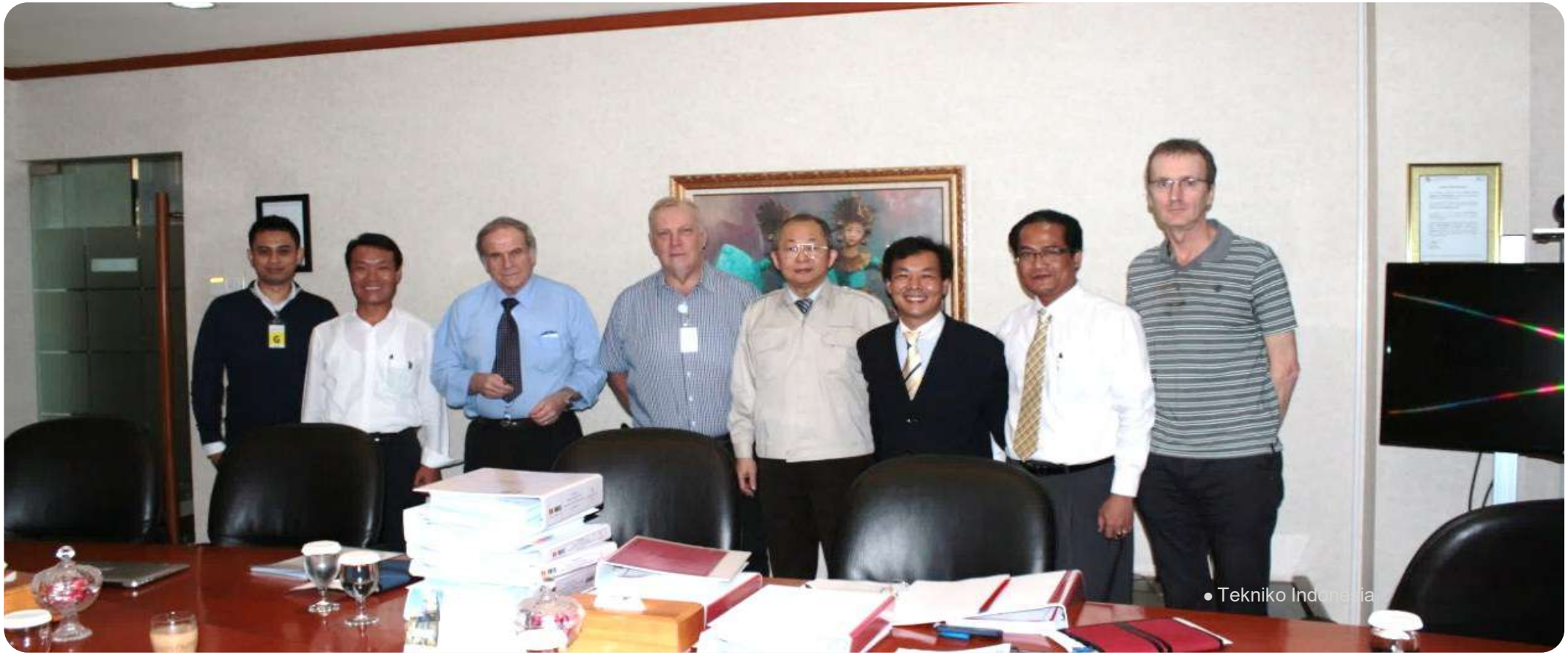
Babelan Coal Fired Power Plant 3x140 MW

Client

PT CIKARANG LISTRINDO
POWER COMPANY

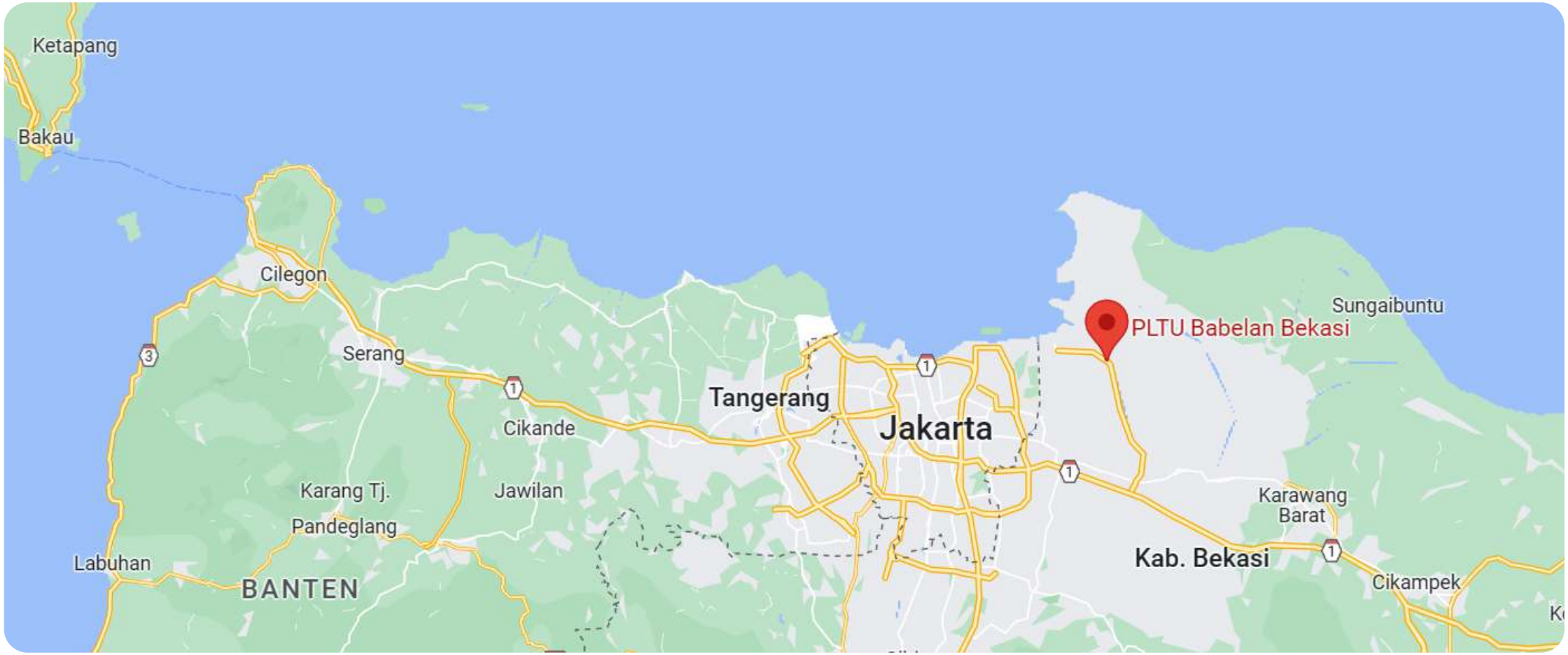
Cikarang Listrindo

Fuel Handling System & Limestone Handling System
Babelan Coal Fired Power Plant 3x140 MW



Contract Signing – 3rd February 2014

A1. Project Location



Location	:	Muara Bakti, Babeban
Nearest City	:	20 km East direction from Jakarta
Capacity	:	3 x 140 MW

A2. Project Overview

- **Owner**
  PT. Cikarang Listrindo

- **Main Contractor**
  PT. Tekniko Indonesia

- **Subcontractor**
  Doosan (Korea), Bogoplant (Korea), OM (Italy)

- **Project Name**
  EPC Babelan Coal Fired Power Plant – 3 x 140MW
  MM2100 – Combined Cycle – 1 x 110 MW

- **Project Duration**
  32 months

- **Project Amount**

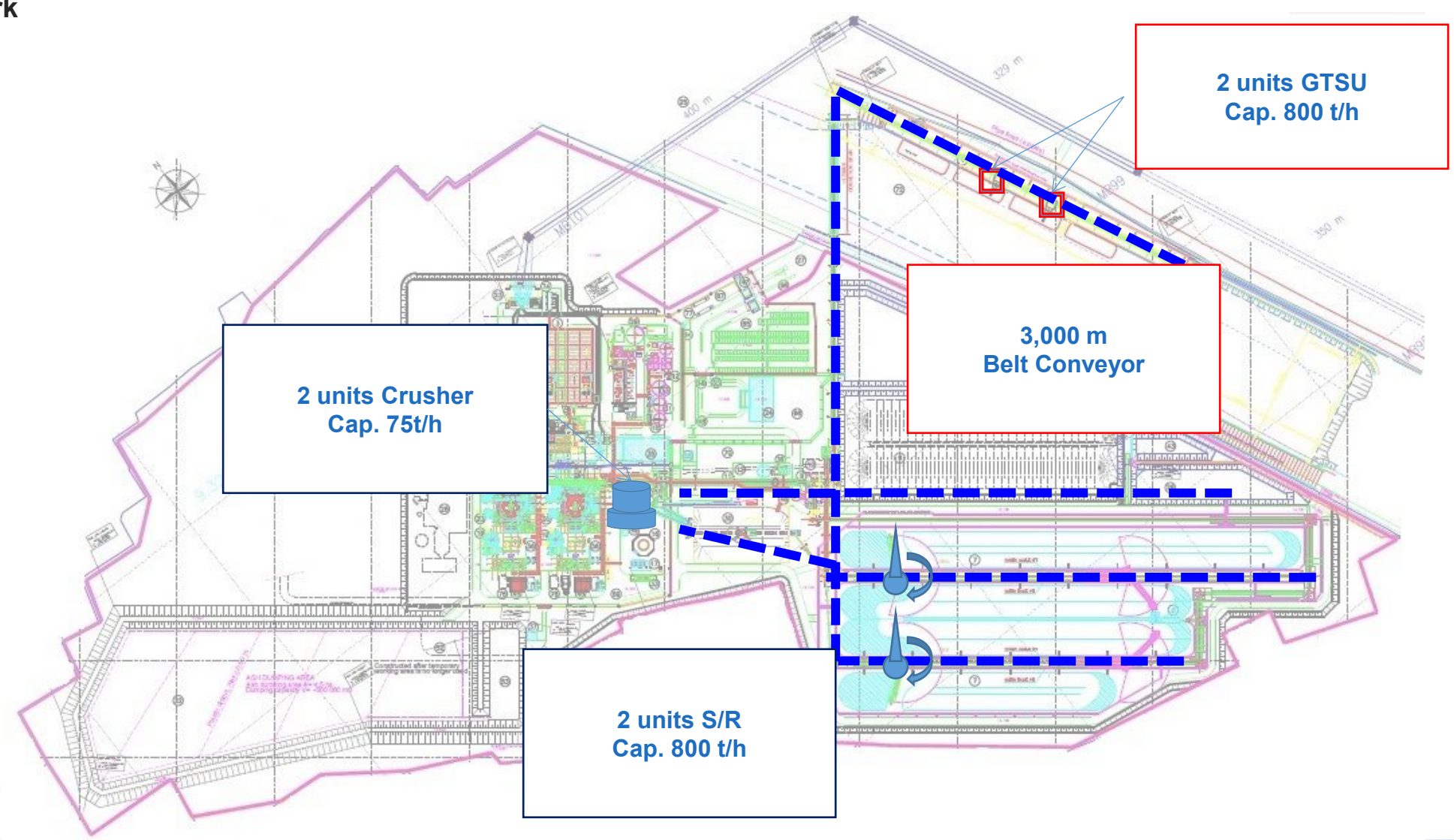
Fuel Handling System	:	USD 78,700,000
Limestone Handling System	:	USD 20,000,000 +
TOTAL	**:**	**USD 98,700,000**

**AP 10%, Progress Payment 85%, Retention 5%*

A3. Scope of Work

Main Item	Quantity	Unit	Capacity
Fuel Handling System			
Belt Conveyor	3,000	m	600 ton/hour
Stacker Reclaimer	2	ea	800 ton/hour
GTSU	2	ea	800 ton/hour
Limestone Handling System			
Belt Conveyor	170	m	100 – 600 ton/hour
Crusher, Dryer, Classifier	2	ea	75 ton/hour
Crusher	1	ea	50 ton/hour
Accessories			
Steel Supporting Structures	1,500	ton	
Sparepart for 2 years	2	lots	

A3. Scope of Work



A4. Photographs (Previous Experience)

Ship Unloader Erection – Year 2010

Ship Unloader Erection – Year 1998

A4. Photographs (Previous Experience)

Belt Conveyor Erection – Year 2010

Belt Conveyor Erection – Year 2010

A4. Photographs (Progress in October 2015)

All Area 1 – October 2015

All Area 2 – October 2015

A4. Photographs (Progress in October 2015)

Transfer Tower 1 – October 2015

Transfer Tower 2 – October 2015

A4. Photographs (Progress in 2016)

Stacker Reclaimer – October 2016

A4. Photographs (Progress in 2016)

Stacker Reclaimer – July 2016

Stacker Reclaimer – July 2016

A4. Photographs (Progress in 2016)

Transfer Tower 1 - February 2016

Belt Conveyor 2 – February 2016

A4. Photographs (Progress in 2018)

Transfer Tower – July 2018

Transfer Tower – July 2018

A4. Photographs (Progress in 2018)

GTSU – March 2018

GTSU – March 2018

A4. Photographs (Progress in 2018)

GTSU – July 2018

GTSU – July 2018

A4. Photograph

Fuel & Limestone Handling – July 2018

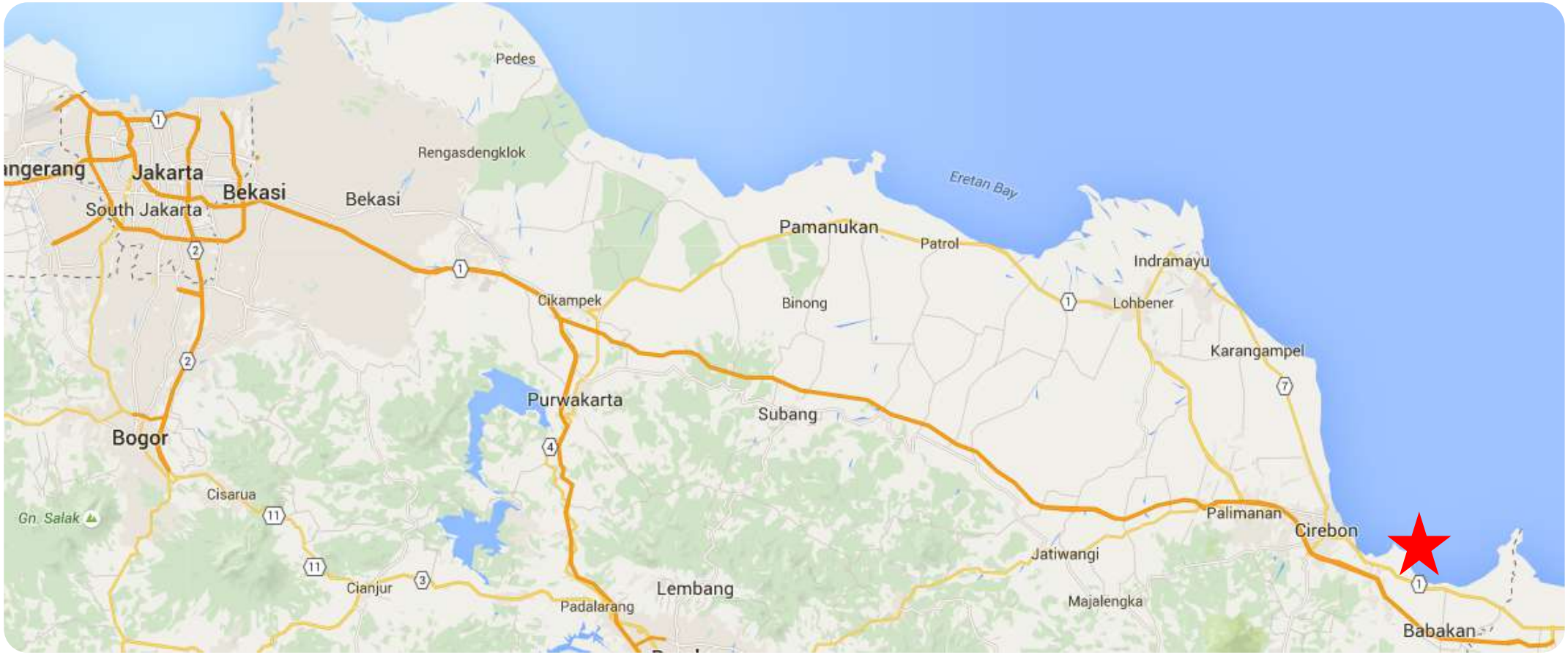
B

Cirebon Electric Power

Cirebon 1; 1x660 MW Coal Fired Power Plant

Client

B1. Project Location



Location	:	Kanci Kulon, Cirebon
Nearest City	:	240 km from Jakarta, 150 km from Bandung
Capacity	:	660 MW

B2. Project Overview

- **Owner**
  PT. Cirebon Electric Power

- **Main Contractor**
  Doosan Heavy Industry Co., Ltd

- **Subcontractor**
  PT Tekniko Indonesia

- **Project Name**
  Cirebon 1, CFPP 660 MW Power Plant

- **Project Duration**
  45 months

- **Work Items**
  Soil Improvement, Jetty 13,000 DWT + Trestle 2 km (EPC), SWI, Civil Work
  Building Work and Steel Structure, GTSU Erection, Ash Pond and Coal Yard
  Landscape and Wind Break Facility, Electrical Work

- **Project Amount**
  USD 75,000,000

B3. Photograph

Soil Improvement (PVD) – December 2007

Soil Improvement (PVD) – December 2007

B3. Photograph

Jetty + Trestle – March 2010

Marine Piling – November 2009

B3. Photograph

SWI Construction – November 2009

SWI Construction – November 2009

B3. Photograph

Jetty 13,000 DWT + Trestle 2KM – July 2010

Cirebon Energi Prasarana

Cirebon 2; 1x1000 MW Coal Fired Power Plant

Client

HYUNDAI ENGINEERING & CONSTRUCTION

PT. TEKNIKO INDONESIA

we construct your wealthy future

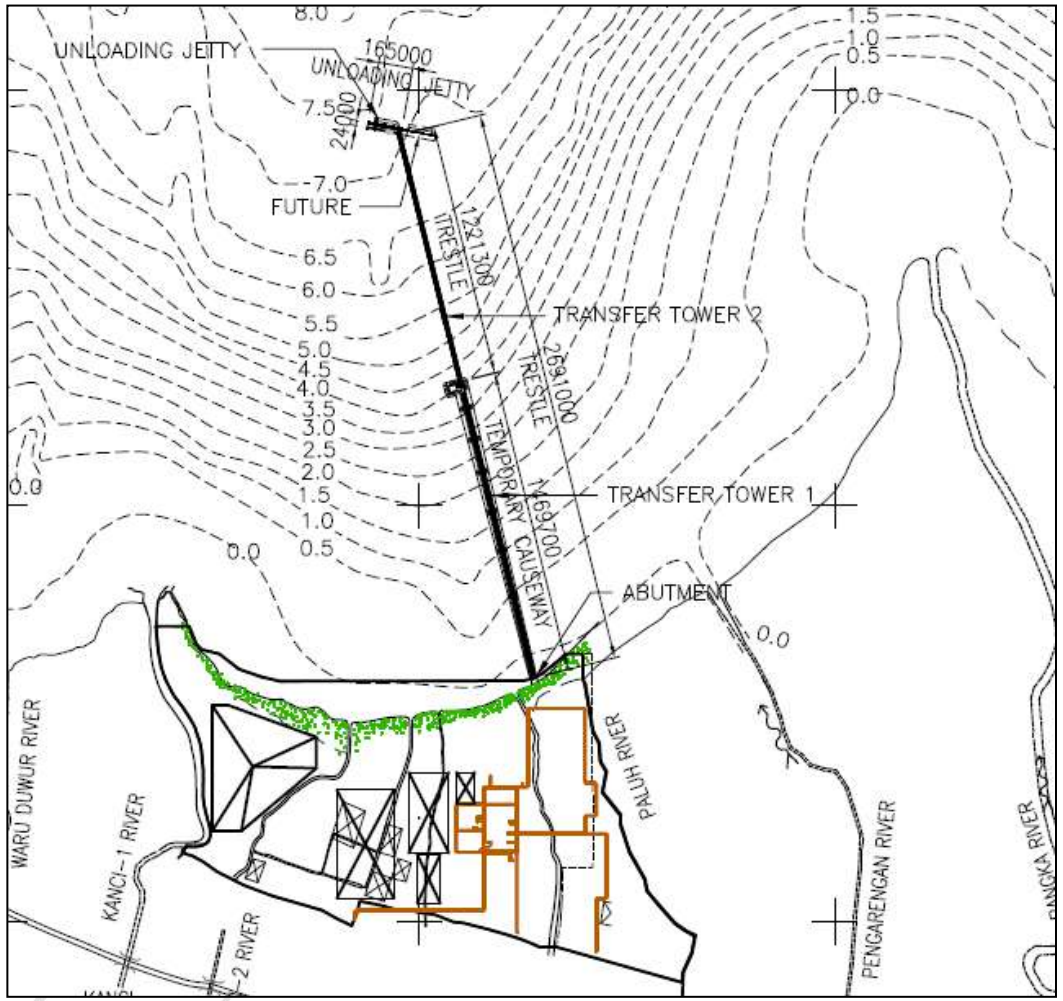
C1. Project Location

Location	:	Kanci Wetan, Cirebon
Nearest City	:	240 km from Jakarta, 150 km from Bandung
Capacity	:	1000 MW

C2. Project Overview

- **Owner**
  PT. Cirebon Energi Prasarana
- **Main Contractor**
  Hyundai E&C, MHPS, Toshiba and PT. DSS JO
- **Partnership**
  PT Tekniko Indonesia
- **Project Name**
  Cirebon 2, CFPP 1000 MW Power Plant
- **Project Duration**
  45 months
- **Work Items**
  Jetty 15,000 DWT + Trestle 2.8 km (EPC), SWI
- **Project Amount**
  USD 48,300,000

C3. Main Scope of Work



- **Jetty Capacity**
  15,000 DWT
- **Jetty Length**
  165 m
- **Jetty Width**
  24 m
- **Sea Bed**
  -7.15 m
- **Trestle Length**
  2.8 km
- **Trrestle Width**
  15 m
- **Sea Water Intake (SWI) at**
  1.5 km
- **Trestle Cause Way at**
  1.19 km

C4. Photograph

Aerial Photograph – 26 August 2023

C4. Photograph

Aerial Photograph – 26 October 2018

C4. Photograph

Wharf of Temporary Causeway – 26 October 2018

Laydown Area of Temp. Causeway – 26 October 2018

C4. Photograph

Girder Installation – June 2019

Girder Installation – June 2019

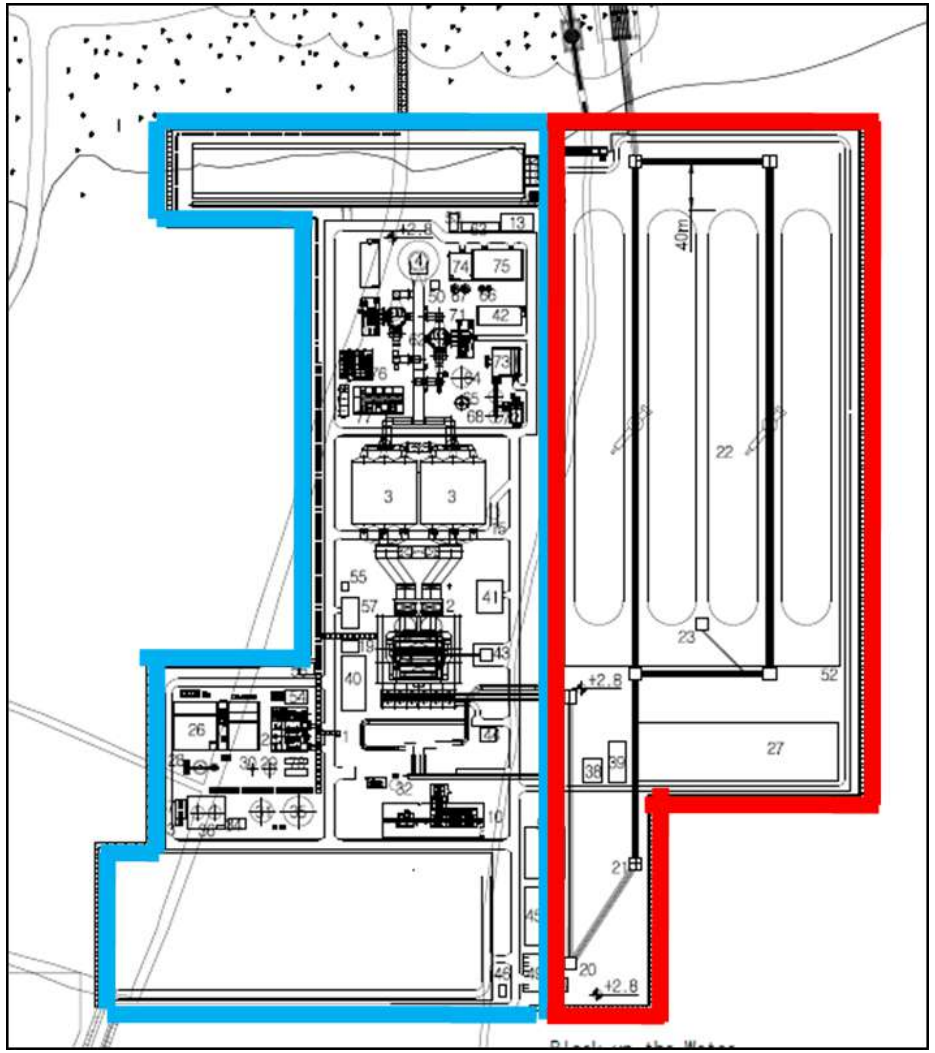
C5. Quarry for Soil Improvement

Package A (NKE)

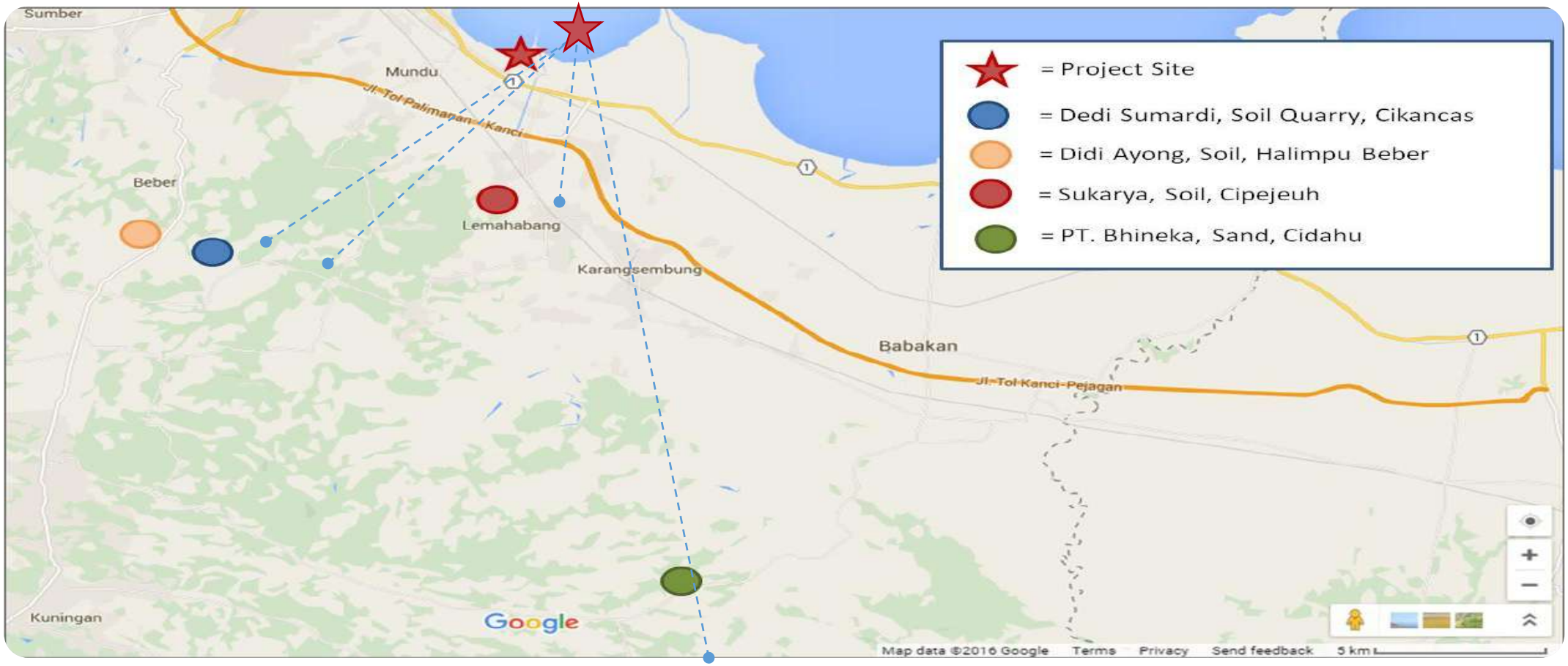
- Power Block
- Area = 196,000 m2
- Sand = 265,000 m3
- Soil = 812,591 m3

Package B (Hans Jaya)

- Stockyard
- Area = 167,000 m2
- Sand = 240,000 m3
- Soil = 900,000 m3



C6. Quarry Location



C7. Quarry Status

Vendor / Suppliers	Location	Distance to Site (km)	Volume of Material (m^3)	Est. Loosed Volume (m^3)	Remarks
A. SAND					
1. Aldo Fantinus Wijayana (PT Bhineka)	Cibulan / Cidahu	37.0	750,000	862,500	
Sub Total			750,000	862,500	
B. RED SOIL					
1. Didi Mulyadi Ayong	Halimpu / Beber	24.0	878,000	1,097,500	
2. Dedi Sumardi, SE (PT Ilham Bangun Mandiri)	Cikancas/ Beber	24.0	758,000	947,500	
3. Sukarya	Kulon/ Cipejeuh	9.0	210,000	262,500	
Sub Total			1,846,000	2,307,500	

D

Rajamandala Electric Power

Rajamandala Hydro Power Plant – 47MW

Main Contractor

Onshore

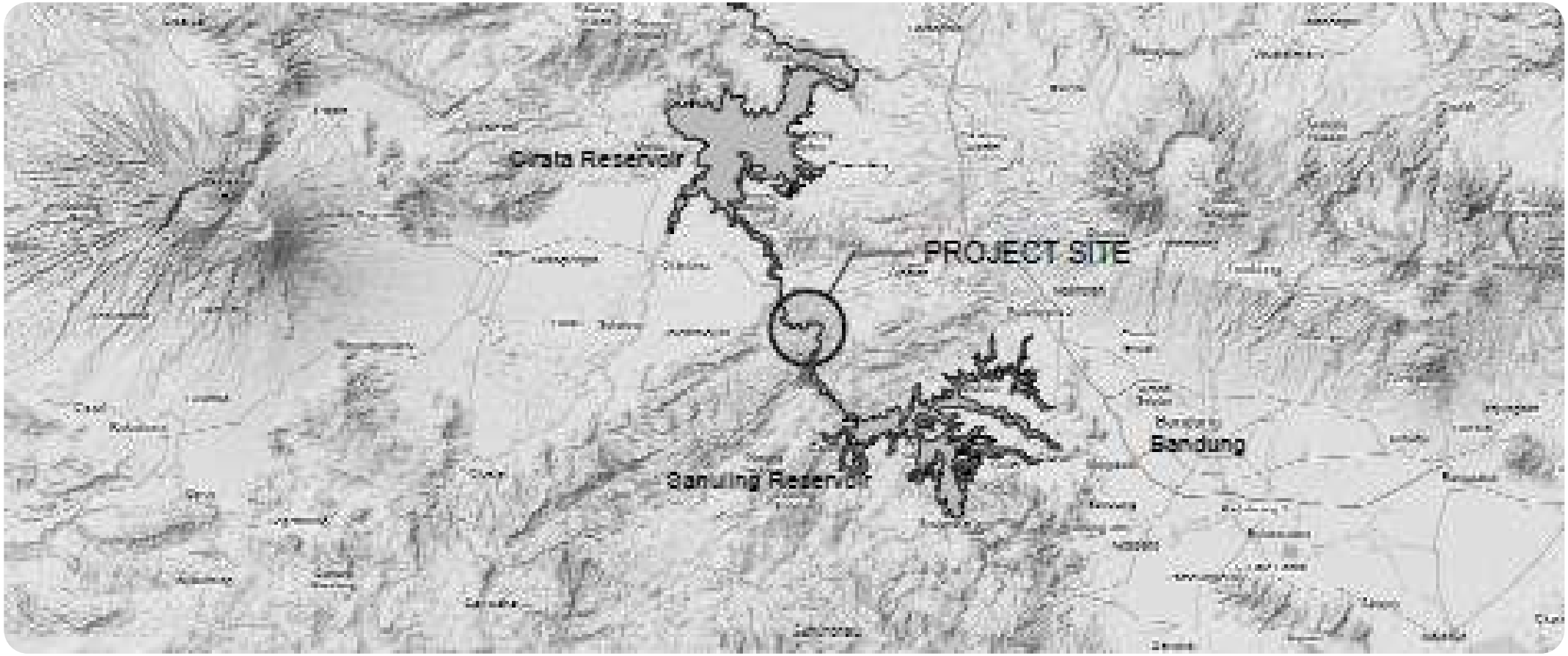
Offshore

Rajamandala Electric Power

Rajamandala Hydro Power Plant 47 MW

Contract Signing – 28th March 2014

D1. Project Location



Location	:	Rajamandala Site
Nearest City	:	50 km west direction from Bandung
Capacity	:	47 MW

D2. Project Overview

- **Owner**
  Kansai Electric (Japan) + Indonesia Power

- **Main Contractor**
  PT. Tekniko Indonesia (Onshore)
  Hyundai Engineering (Offshore)

- **Subcontractor**
  PT Tekniko E&C

- **Project Name**
  EPC Hydro Power Plant – 47MW (Kaplan Turbine)

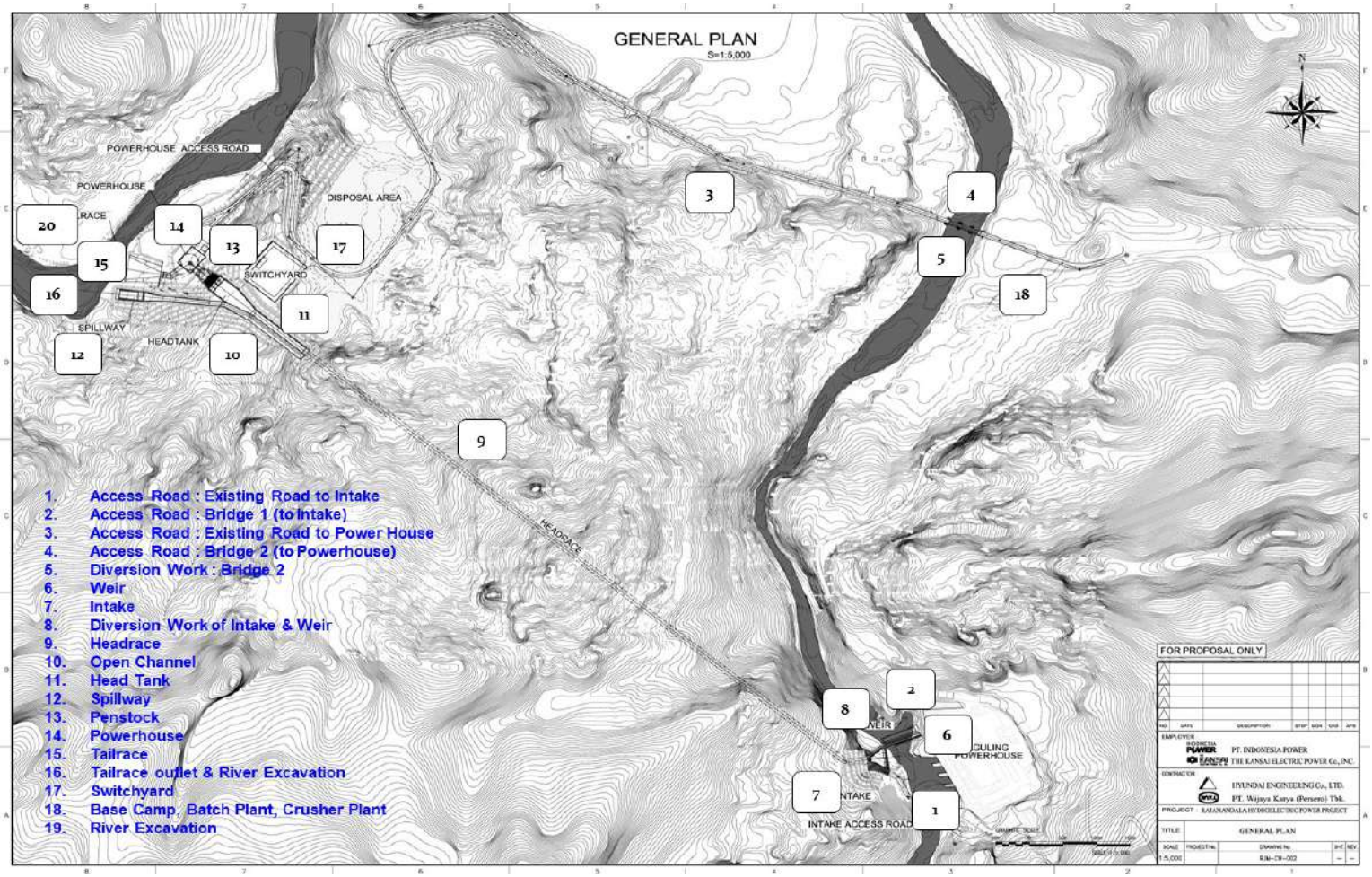
- **Project Duration**
  30 months

- **Project Amount**

Civil Work & Tunnel	:	USD 52,000,000
HEC – Offshore (Turbine & Electrical)	:	USD 39,300,000

**AP 10%, Progress Payment 80%, Retention 10%*

D3. Scope of Work



D3. Scope of Work

Mechanical & Electrical

Turbine, Generator, Switchgear, Transformer, UPS, Control Cable, Conduit, Earthing, Lightning, Intake Switchgear, Cable Tray, Fire Alarm and Detection.

Admin Building

Temporary Work, Earth Work, Reinforced Concrete, Masonry, Plaster Work, Painting, Water Proofing, Tiling & Flooring, Interior, Panel & Roof, Door & Window and Furniture Supply.

Site Facilities, Civil and Building Works

Facility for Empoyer, Facility for Contractor, Facility for Sub-Contractor, Concrete Batch Plant, Stone Crusher Plant, Power Connection form Existing PLN Grid

D3. Scope of Work

1. Clearing and Stripping	:	142,553	m^2
2. Excavation Soil	:	382,090	m^3
3. Exc. Hard Rock + Mod Rock	:	49,000	m^3
4. Exc. Soft & Weathered Rock	:	236,867	m^3
5. Hauling / Disposal	:	625,392	m^3
6. Backfill	:	107,537	m^3
7. Form	:	40,034	m^2
8. ReBar	:	1,516	ton
9. Concrete	:	47,450	m^3
10. Shotcrete with wiremesh	:	5,813 m3 / 38,753	m^2
11. River Dredging	:	102,180	m^3

D4. Photograph

Weir & Watergate – October 2018

D4. Photograph

Tunnel Excavation – February 2016

D4. Photograph

Tunnel – September 2018

D4. Photograph

H-Beam Piling – September 2015

Power House – September 2018

D4. Photograph

Switch Yard – September 2018

D4. Photograph

Tunnel Intlet – April 2019

D4. Photograph

Tunnel Outlet – April 2019

D4. Photograph

Aerial View Settling Pond – April 2019

Tanggamus Electric Power

Semangka HEPP – 2x28 MW

Client

posco E&C-INDONESIA

E1. Project Overview

- **Owner**
  PT. TEP (Tanggamus Electric Power)
  Korea Midland Power Co (Komipo)

- **Main Contractor**
  PT. PENI (Posco E&C)

- **Subcontractor**
  PT Tekniko Indonesia

- **Project Name**
  Semangka HEPP – 2x28 MW (Francis Turbine)

- **Project Duration**
  30 months (August 2015 – May 2017)

- **Project Amount**
  Penstock and Water Gate : IDR 58,000,000,000
  **AP 10%, Progress Payment 80%, Retention 10%*

E2. Photograph

Penstock & Watergate – September 2018

E2. Photograph

Sand Trap – October 2018

Sand Trap – October 2018

E2. Photograph

Power House – October 2018

Tail Race – October 2018

E2. Photograph

Weir – October 2018

Penstock – October 2018

F

Jawa Satu Power

Jawa 1 CCPP 2x800 MW

Client

SAMSUNG

SAMSUNG C&T

PT. TEKNIKO INDONESIA

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F1. Project Overview

- **Owner**
  PT. Jawa Satu Power

- **Main Contractor**
  Samsung C&T Corporation

- **Subcontractor**
  PT Tekniko Indonesia

- **Project Name**
  Indonesia Jawa Satu 1 CCPP 2x800 MW

- **Project Duration**
  25 months

- **Project Amount**

Site Preparation	:	IDR 39,300,000,000
Cladding Installation Work	:	IDR 10,600,000,000
Drainage, Plant Road & Fence Works	:	IDR 67,700,000,000
Total	**:**	**IDR 117,600,000,000**

**AP 10%, Progress Payment 80%, Retention 10%*

F2. Photograph

Road & Drainage

F2. Photograph

Drainage

Parking Shelter

F2. Photograph

Road & Drainage – October 2021

Road & Drainage – October 2021

Pertamina

RDMP RU-V Balikpapan

Client

PT. TEKNIKO INDONESIA

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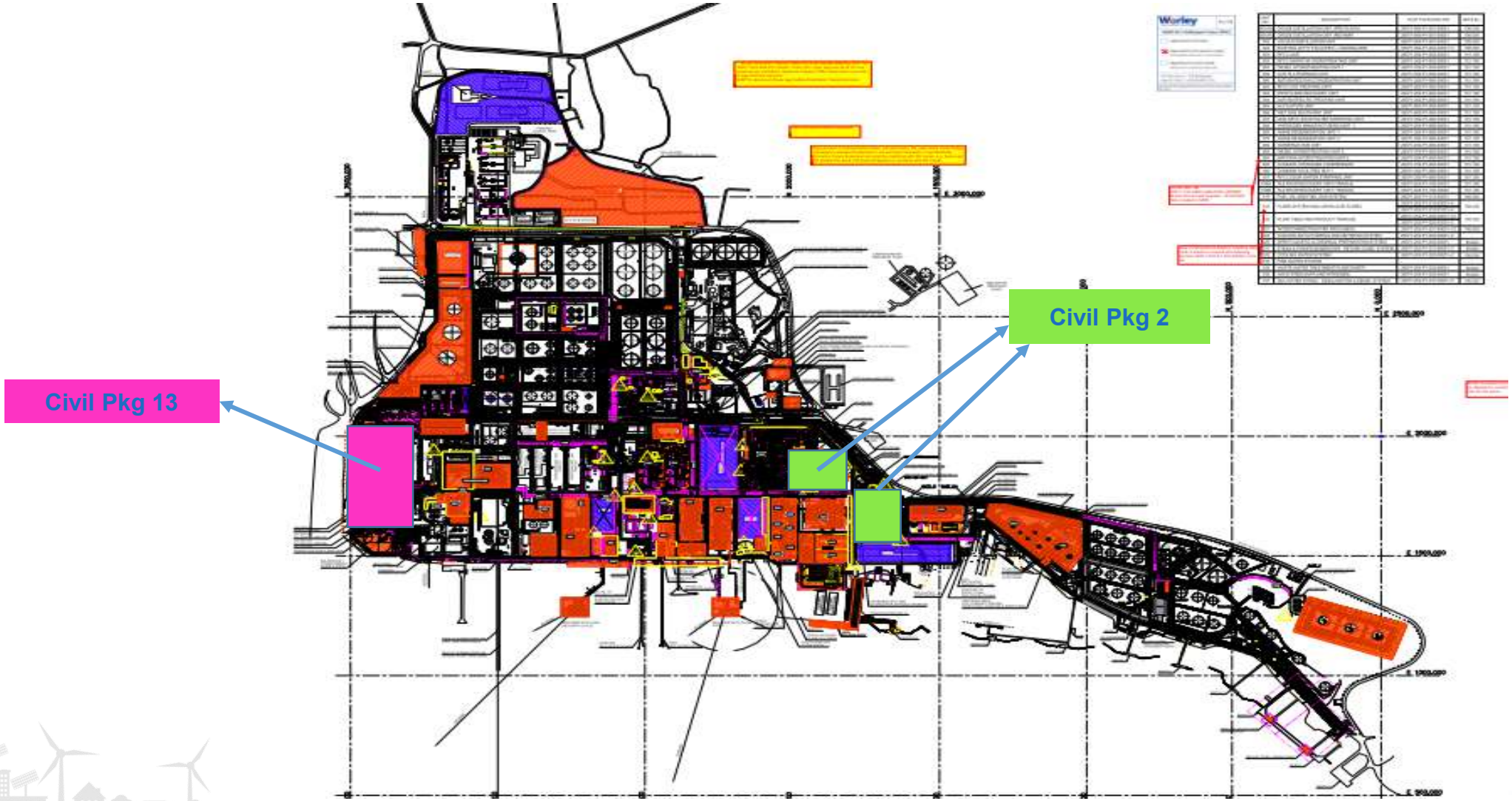
G1. Project Overview

- **Owner**
  PT. Pertamina (Persero)
- **Main Contractor**
  JO (Rekind, Hyundai, PP)
- **Subcontractor**
  PT Tekniko Indonesia
- **Project Name**
  RDMP RU-V Balikpapan Project
- **Project Duration**
  30 months
- **Project Amount**

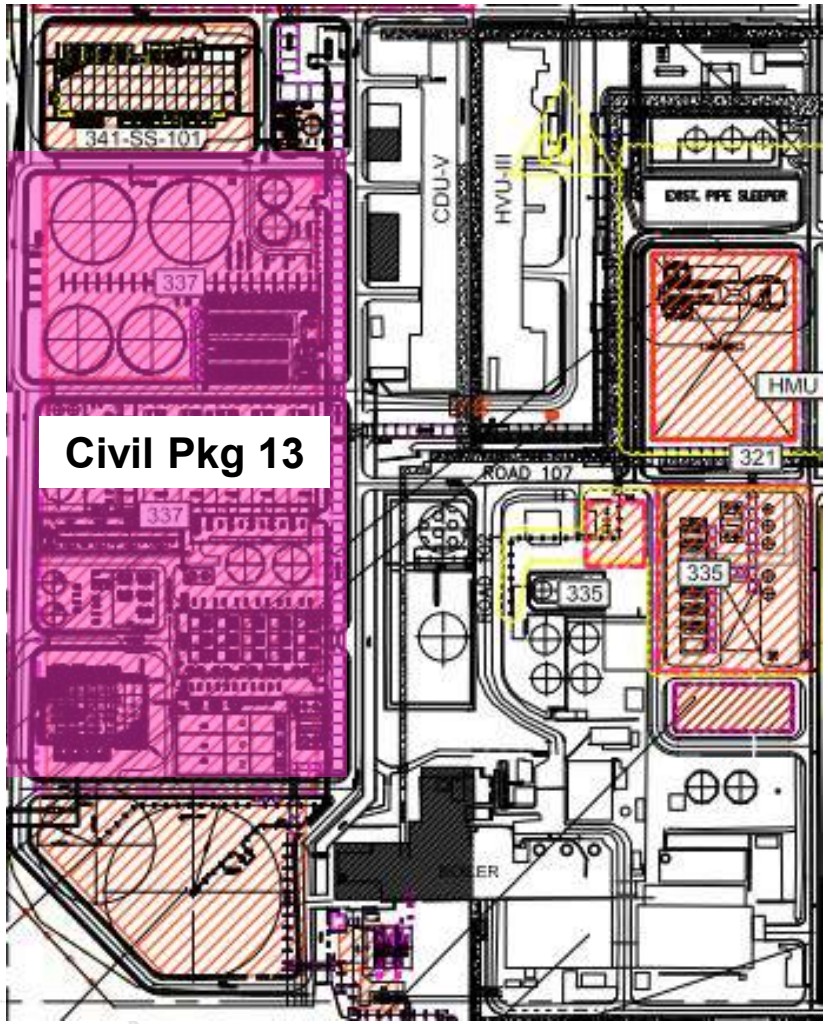
Temporary Facility Package #9	:	IDR 19,375,000,000
Civil Package 13	:	IDR 139,760,000,000
Civil Package 2	:	IDR 131,693,000,000
Civil Package 1-1	:	IDR 17,736,600,000
Civil Package 14.2	:	IDR 76,416,000,000
Total	**:**	**IDR 384,980,600,000**

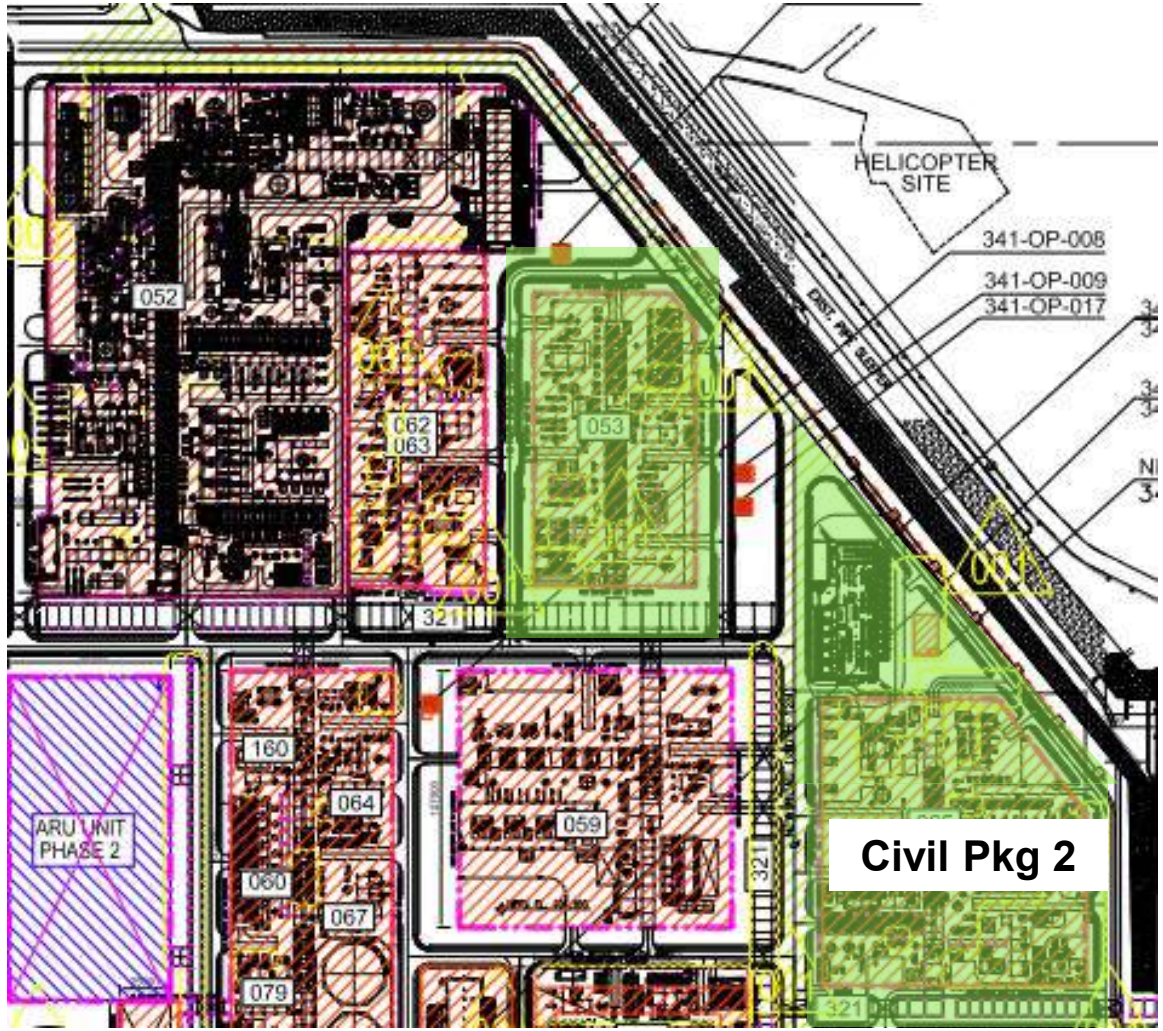
**AP 5%, Progress Payment 90%, Retention 5%*

G2. Scope of Work



G3. Project Layout





G4. Photograph

Clarifyer Sludge Thickener – August 2022

Basin – July 2022

G4. Photograph

Netpond – July 2022

Concrete Slope Screeding – March 2023

G4. Photograph

Neutralized Pond – March 2023

Concrete Foundation – March 2023

PLN

Kalselteng 2 CFSPP (2 x 100MW) – Asam-asam

Main Contractor

HYUNDAI ENGINEERING CO., LTD.

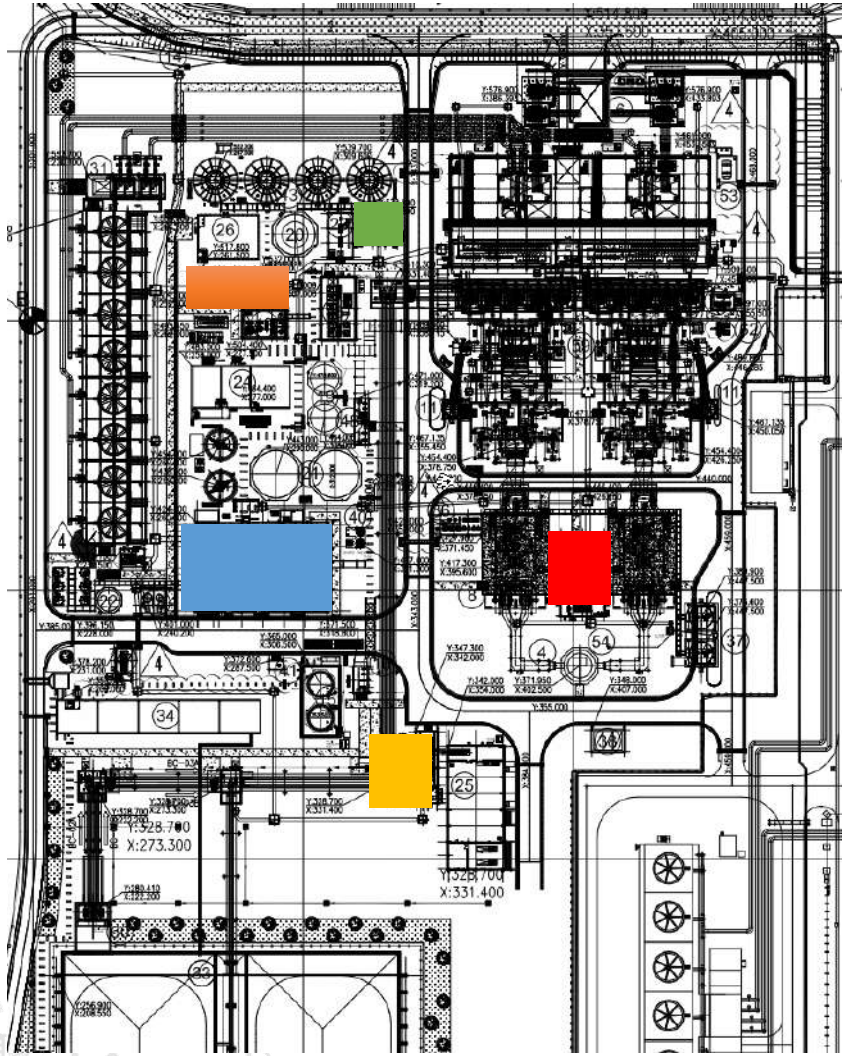
H1. Project Overview

- **Owner**
  PT. PLN (Persero)
- **Main Contractor**
  Consortium (Hyundai, Itochu, Truba)
- **Subcontractor**
  PT Tekniko Indonesia
- **Project Name**
  Kalselteng 2 CFSPP (2 x 100MW)
- **Project Duration**
  20 months
- **Project Amount**

Building Work	:	IDR 63,200,000,000
Civil Work	:	IDR 11,600,000,000
Total	**:**	**IDR 74,800,000,000**

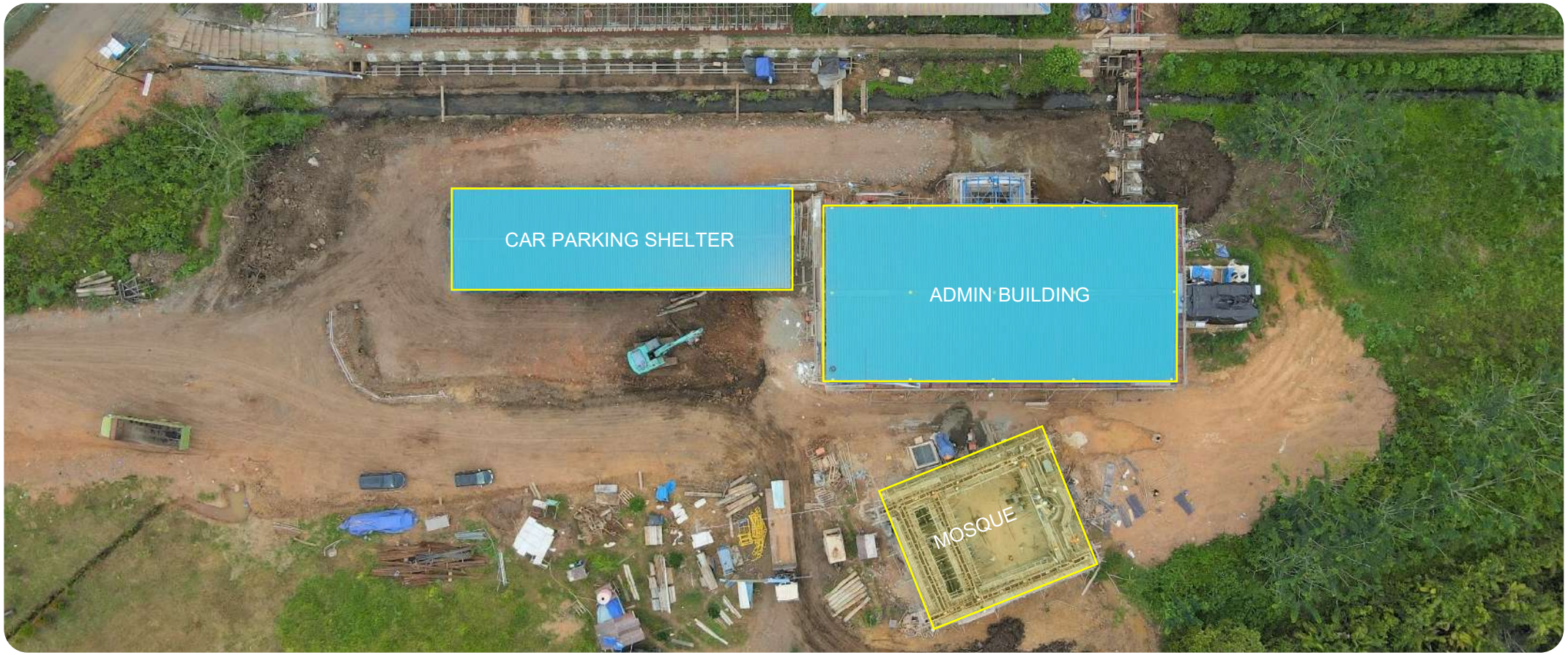
**AP 10%, Progress Payment 85%, Retention 5%*

H2. Scope of Work

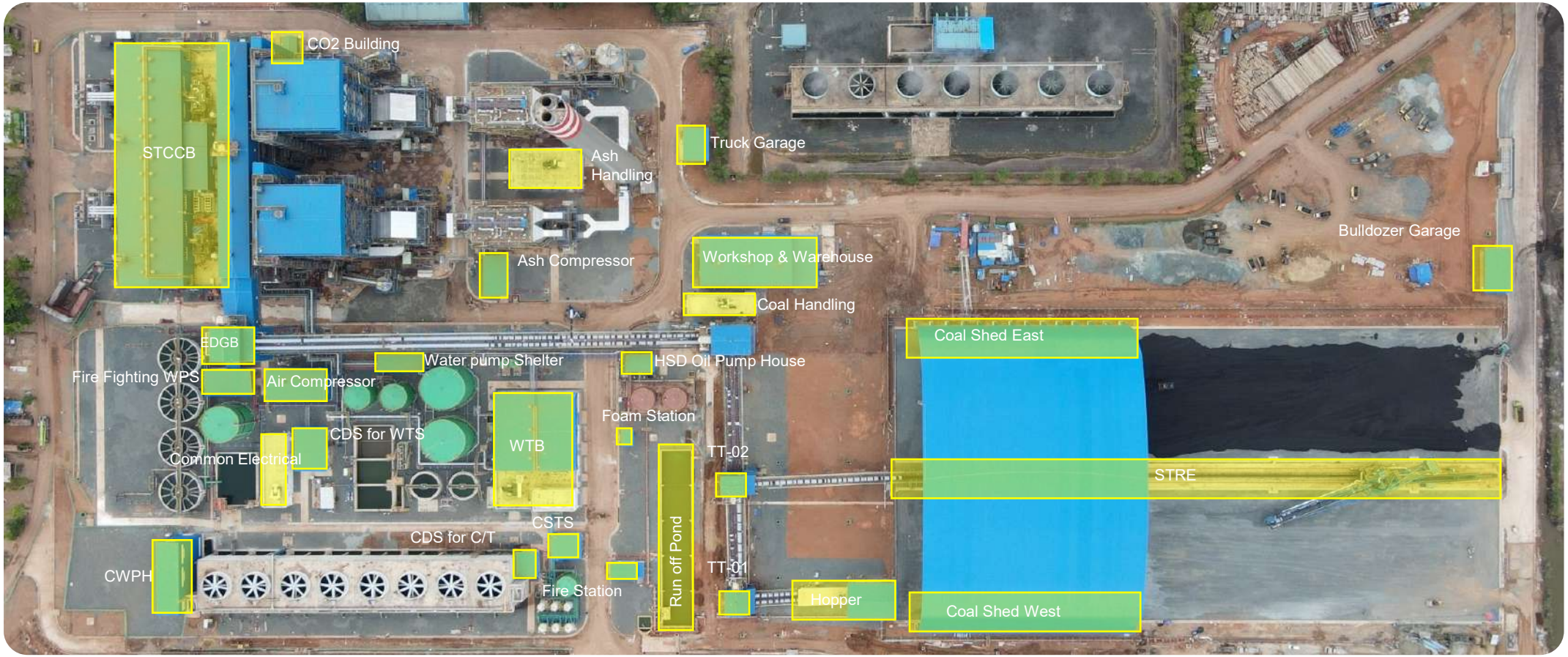


No	Mark	Building Name	Dimension (m)	Floor	Scope of Work	Building Status
1		Water Treatment Building	32 x 48 x 11	2	Finishing Work	2nd Floor Structure on progress
2		Coal Handling Control Building	7,6 x 26,4 x 5,2	1	RC Structure & Finishing Work	Not yet started
3		Emergency Diesel Control Building	9 x 10 x 7,9	1	RC Structure & Finishing Work	Ground floor concrete done
4		Common Electrical Building	8,5 x 30 x 5,2	1	RC Structure & Finishing Work	Excavation work on progress
5		Ash Handling & ESP Control Building	16 x 27 x 5,2	1	RC Structure & Finishing Work	Foundation work on progress
6		Security Gate House	5,5 x 5,5 x 3,3	1	RC Structure & Finishing Work	Not yet started
7		Administration Building	13 x 30 x 7,2	2	RC Structure & Finishing Work	Not yet started

H3. Layout Mapping



H3. Layout Mapping



H4. Photograph

Admin Building – January 2023

H4. Photograph

Power Block Area – January 2023

Laydown Area – January 2023

Lotte Chemical Indonesia

LINE - Lotte Indonesia New Ethylene Complex

Main Contractor

HEIN GLOBAL UTAMA

Civil & Building

KINE PROJECT JO

SMP Work on Jetty

I1. Project Overview

- **Owner**
  PT. Lotte Chemical Indonesia

- **Main Contractor**
  PT HEIN Global Utama (Hyundai)
  KINE Project JO (Lotte E&C)

- **Subcontractor**
  PT Tekniko Indonesia

- **Project Name**
  Lotte Indonesia New Ethylene Complex

- **Project Duration**
  24 months

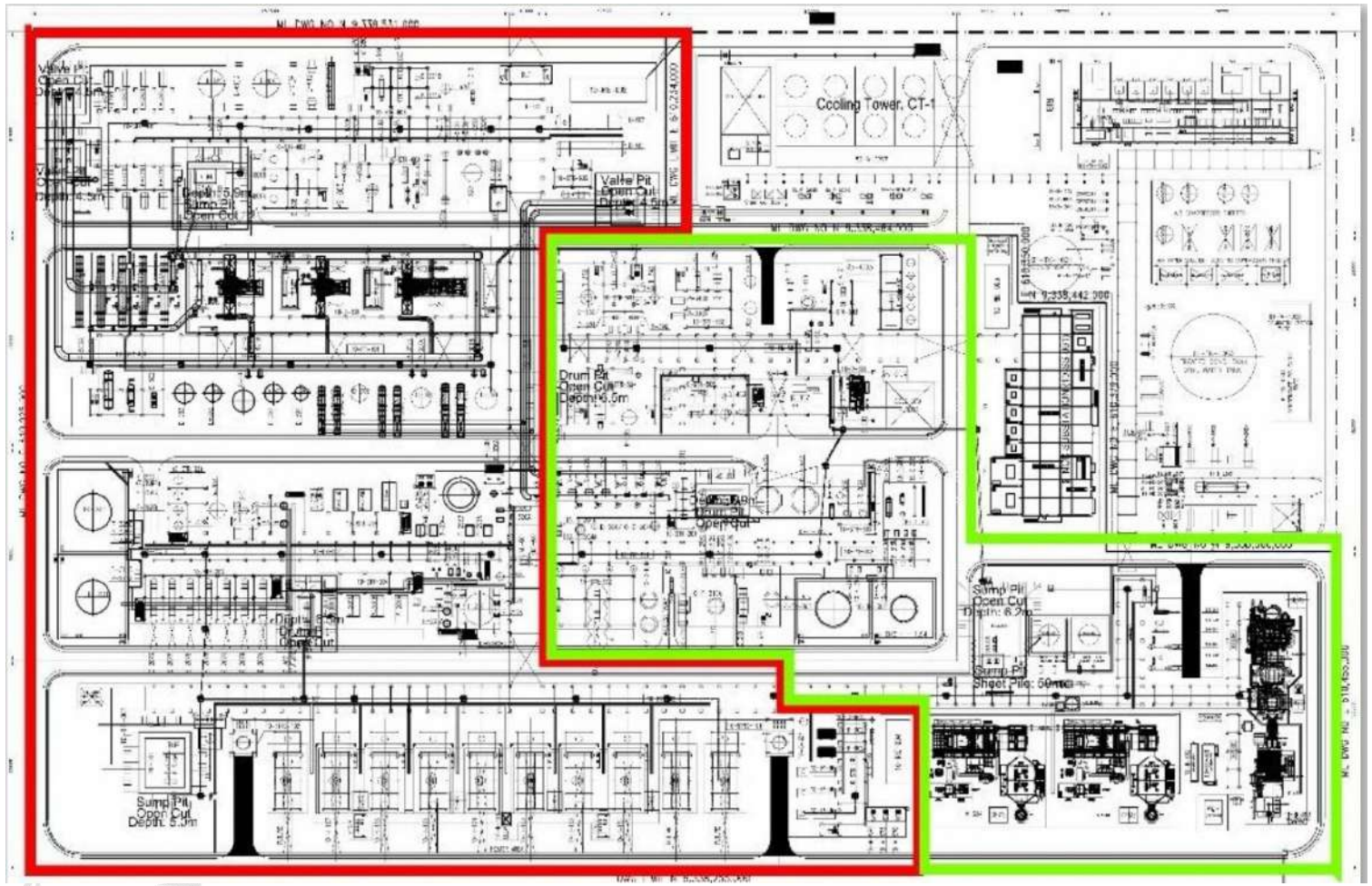
- **Project Amount**

Civil Work	:	IDR	209,206,000,000
Building Work with HVAC	:	IDR	48,182,000,000
SMP Work on Jetty WP7	:	IDR	357,900,000,000
Total	**:**	**IDR**	**615,288,000,000**

**AP 10%, Progress Payment 87%, Retention 3%*

I2. Project Layout - Civil & Building Work

Naphta Cracking Center (NCC)

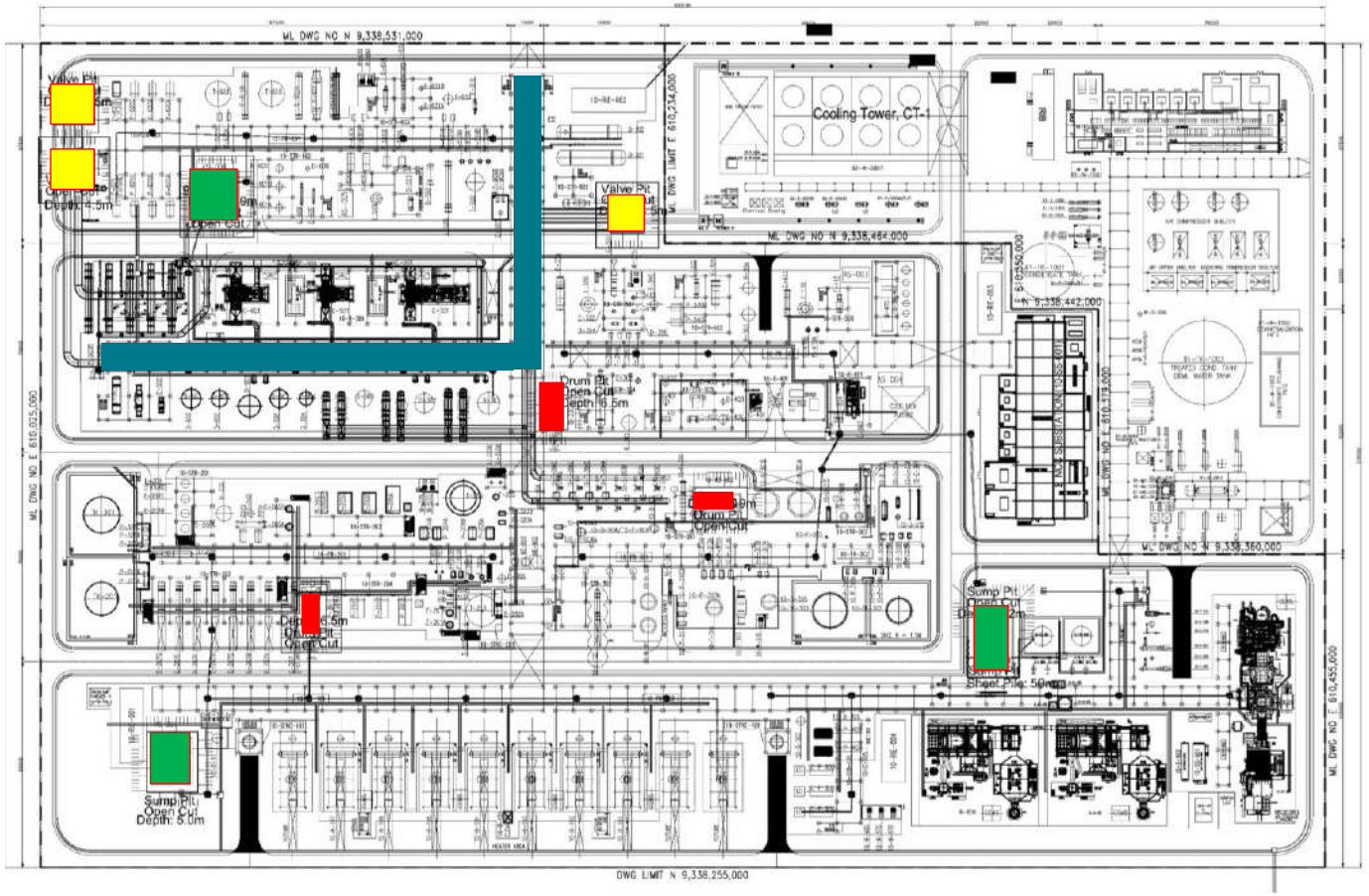


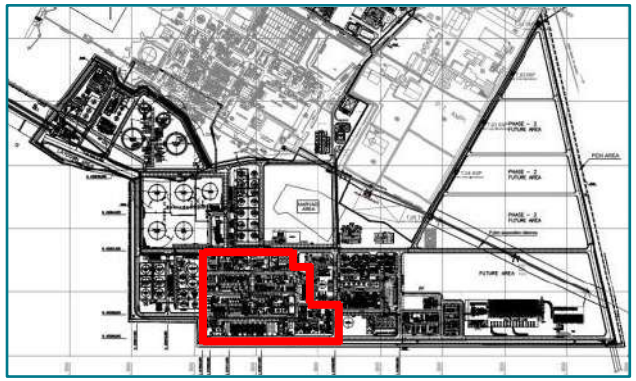
Package #1

Package #2

I2. Project Layout - Civil & Building Work

Critical Area (UG Pipe for SW and CW + Pipe Rack Foundation & Pit)



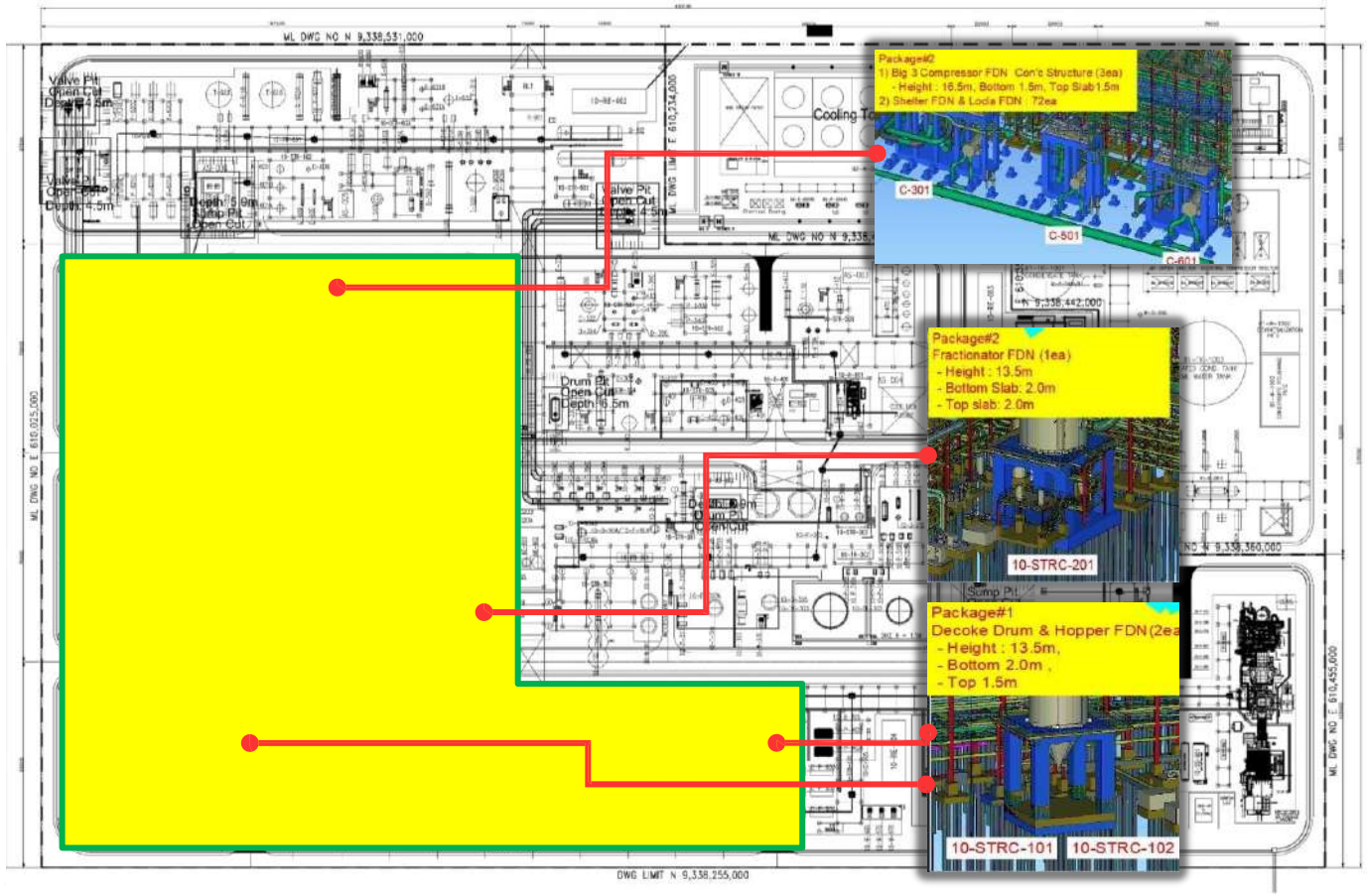


Description

- UG Pipe (SW, CW)+ Pipe Rack)
- Valve Pit
- Drum Pit
- Sump Pit

I2. Project Layout - Civil & Building Work

Super Structure Area



Super Structure Area *(use shoring / periform)*

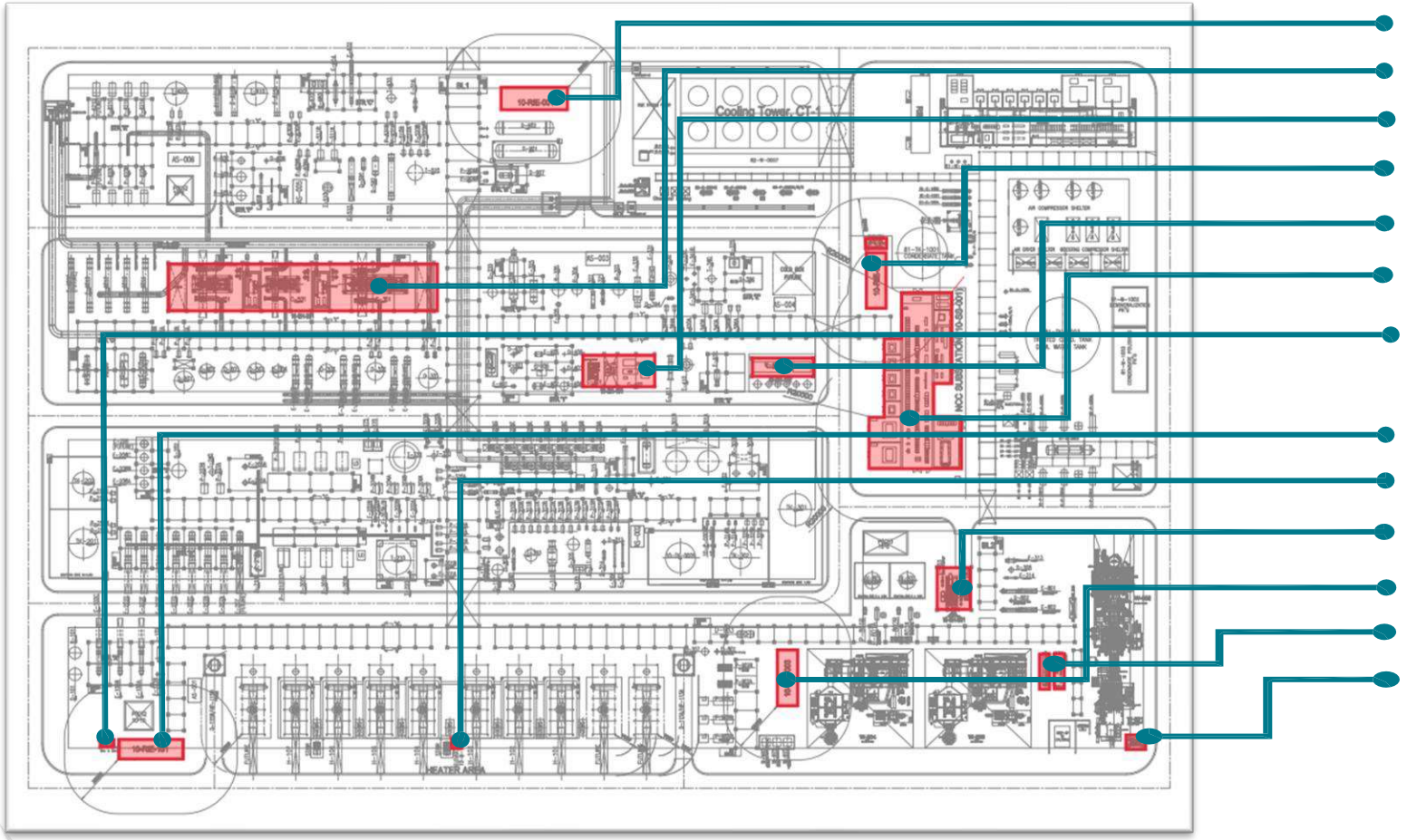
a. Decoke drum and hooper foundation - 2 ea
(*Height 13.5 meter)*

b. Fractionator foundation
(*Height 13.5meter)*

c. Big 3 compressor foundation – 3ea
(Height 16.5meter)

I2. Project Layout - Civil & Building Work

List of Building



RIE for NCC-2 (10-RIE-002)

PGC, PRC &ERC Shelter (10-B-301)

PSA Reject Gas Comp. (10 – B -401)

Operator Shelter (10-B-002)

PSA unit Shelter (10-B-402)

Substation for NCC (10-SS-001)

Operator Shelter -1 (10-B-001)

RIE for NCC – 1 (10-RIE-001)

Elevator for Furnace (10-B-101)

Methane Comp. Shelter (10-B-801)

Methane Comp. Shelter (10-B-801)

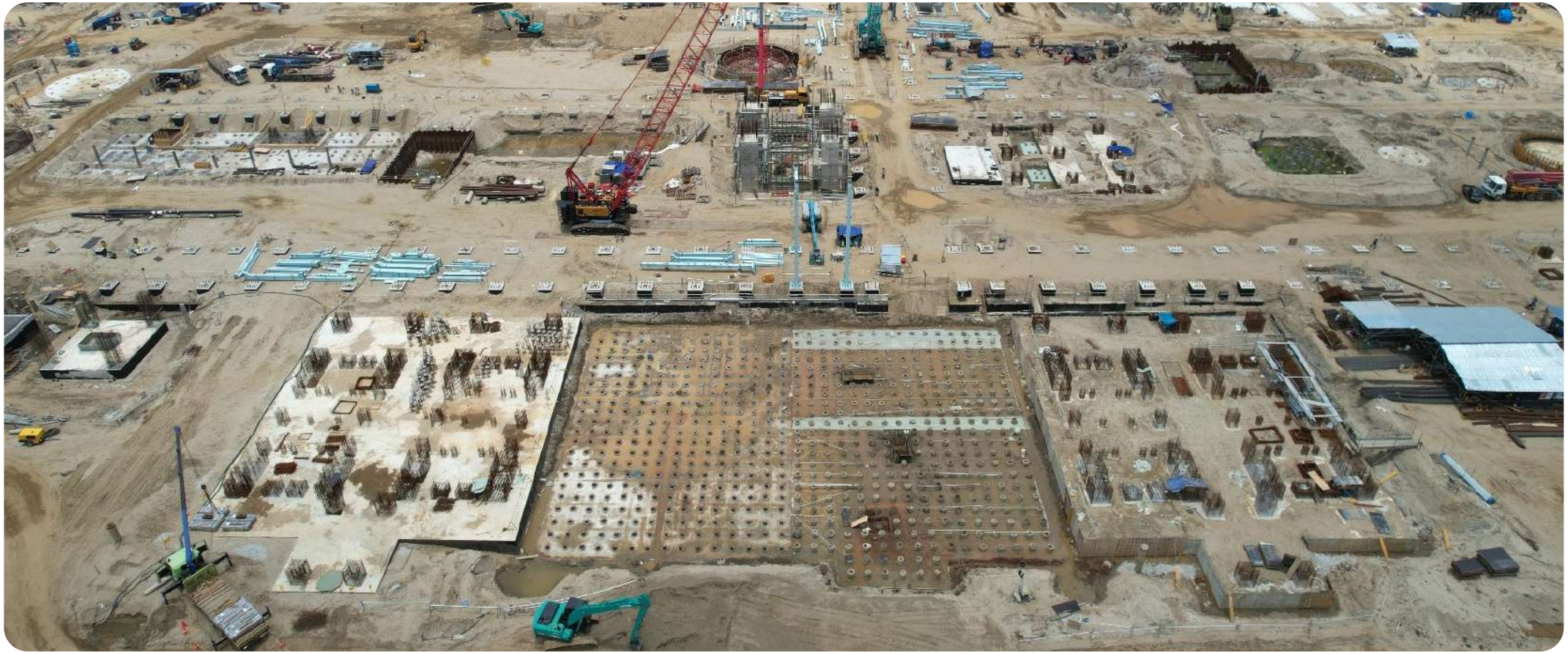
GTG Battery Modul & LER (10-SS801)

Waste Storage Shelter (10-B-003)

I3. Photograph - Civil & Building Work

NCC Area – March 2023

I3. Photograph - Civil & Building Work



NCC Area – March 2023

I3. Photograph - Civil & Building Work

NCC Area – March 2023

I3. Photograph - Civil & Building Work

Sheet Pile Work – December 2022

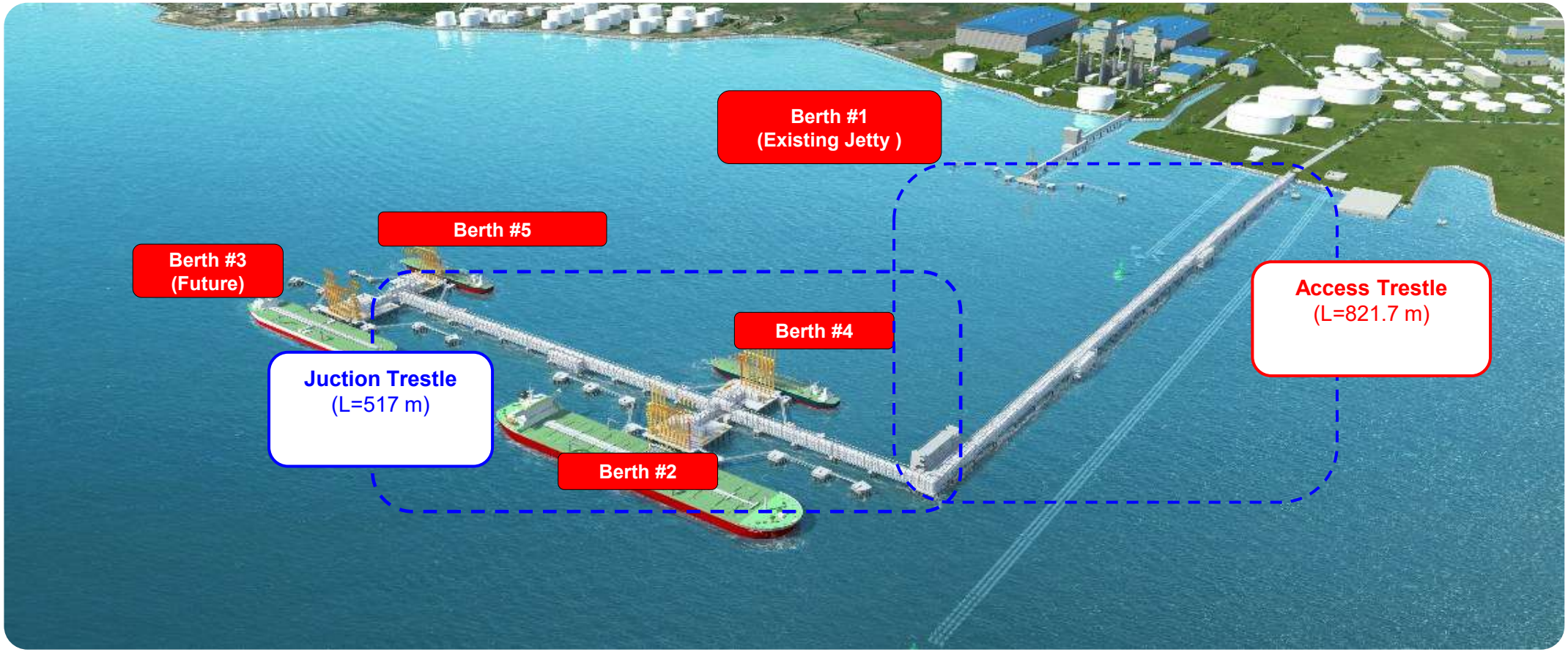
I3. Photograph - Civil & Building Work

Pouring Concrete Parapet, Cable Trench Transformers, Sump Pit & Air Foundation – March 2023

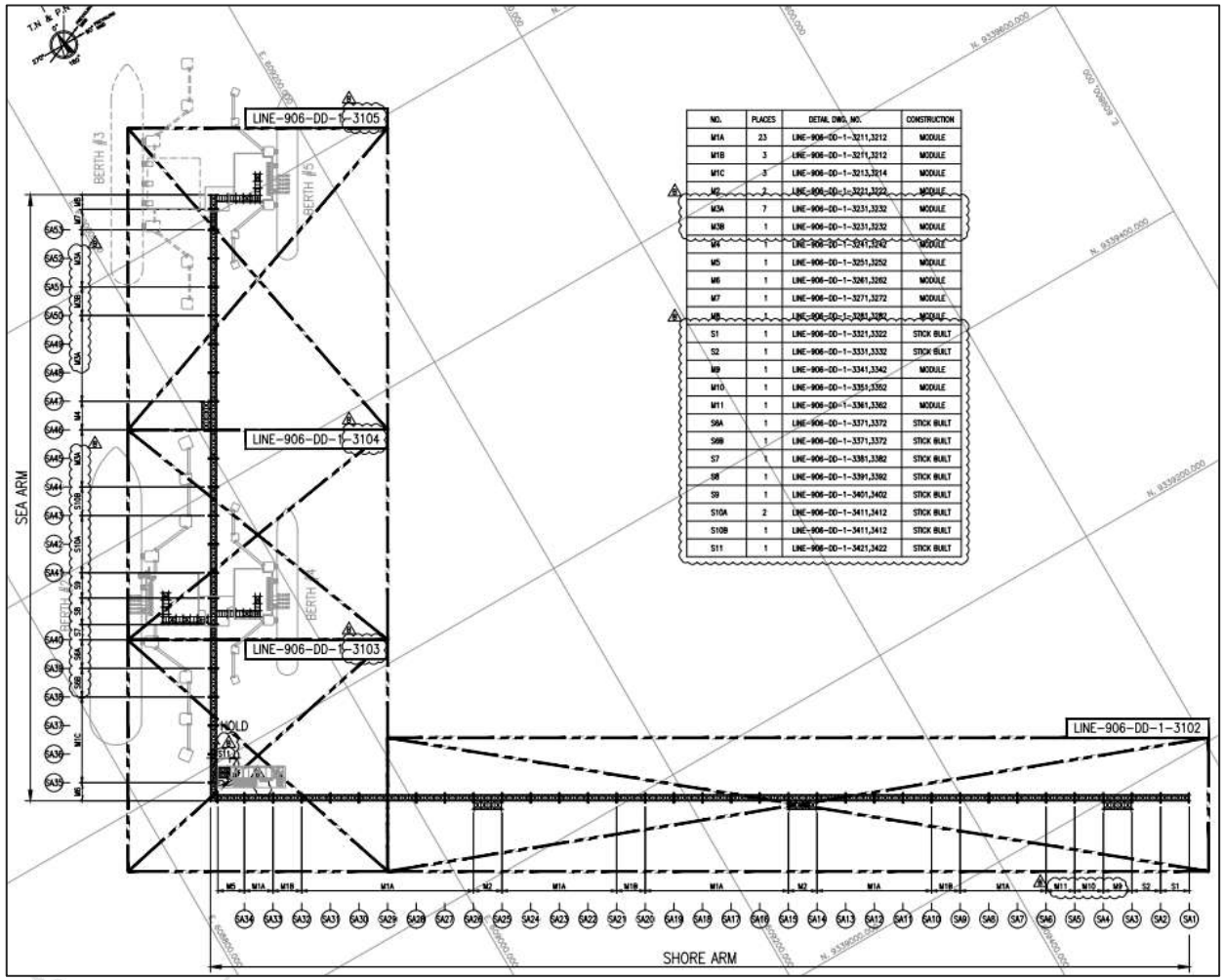
I3. Photograph - Civil & Building Work

Pouring Concrete Parapet, Cable Trench Transformers, Sump Pit & Air Foundation – March 2023

I4. Project Layout - SMP Work on Jetty WP7



I4. Project Layout - SMP Work on Jetty WP7

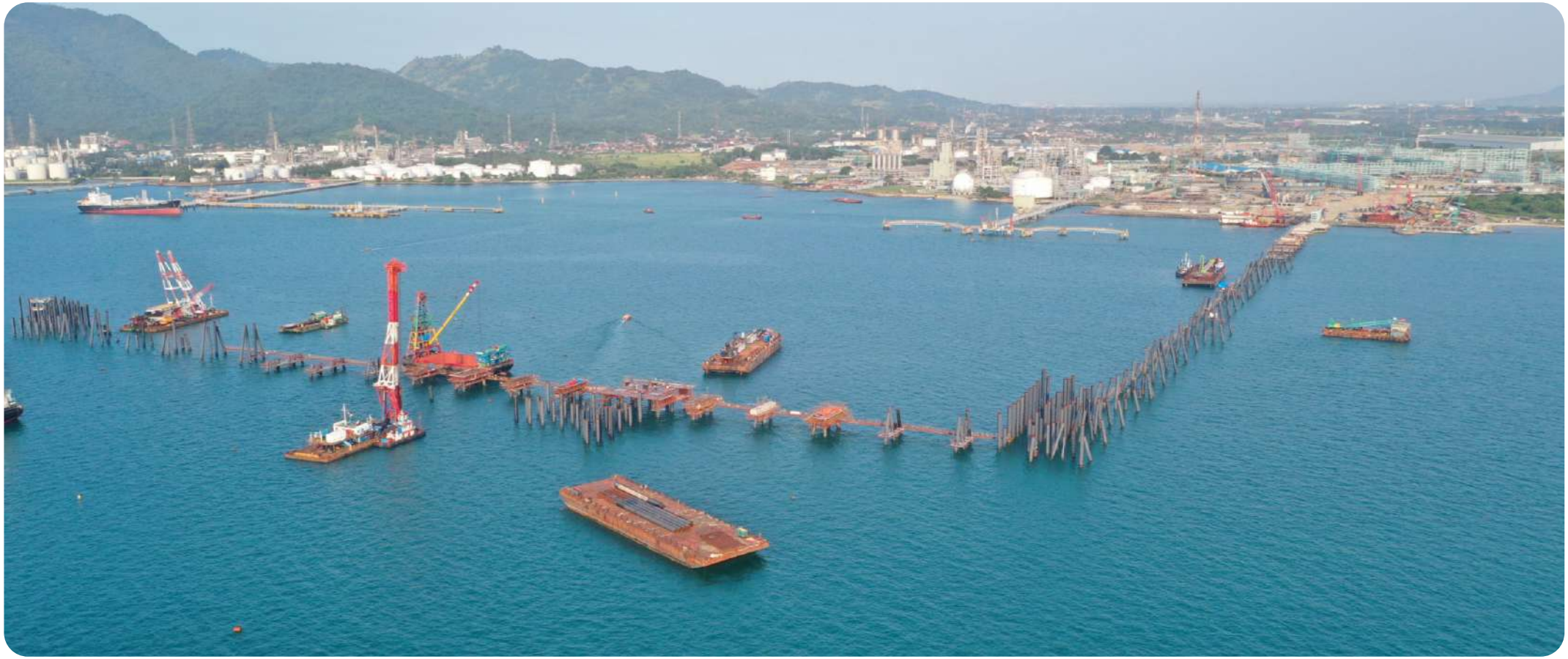


NO.	PLACES	DETAIL DWG. NO.	CONSTRUCTION
M1A	23	LINE-906-DD-1-3211,3212	MODULE
M1B	3	LINE-906-DD-1-3211,3212	MODULE
M1C	3	LINE-906-DD-1-3213,3214	MODULE
M2	2	LINE-906-DD-1-3221,3222	MODULE
M3A	7	LINE-906-DD-1-3231,3232	MODULE
M3B	1	LINE-906-DD-1-3231,3232	MODULE
M4	1	LINE-906-DD-1-3241,3242	MODULE
M5	1	LINE-906-DD-1-3251,3252	MODULE
M6	1	LINE-906-DD-1-3261,3262	MODULE
M7	1	LINE-906-DD-1-3271,3272	MODULE
M8	1	LINE-906-DD-1-3281,3282	MODULE
S1	1	LINE-906-DD-1-3321,3322	STICK BUILT
S2	1	LINE-906-DD-1-3331,3332	STICK BUILT
M9	1	LINE-906-DD-1-3341,3342	MODULE
M10	1	LINE-906-DD-1-3351,3352	MODULE
M11	1	LINE-906-DD-1-3361,3362	MODULE
S6A	1	LINE-906-DD-1-3371,3372	STICK BUILT
S6B	1	LINE-906-DD-1-3371,3372	STICK BUILT
S7	1	LINE-906-DD-1-3381,3382	STICK BUILT
S8	1	LINE-906-DD-1-3391,3392	STICK BUILT
S9	1	LINE-906-DD-1-3401,3402	STICK BUILT
S10A	2	LINE-906-DD-1-3411,3412	STICK BUILT
S10B	1	LINE-906-DD-1-3411,3412	STICK BUILT
S11	1	LINE-906-DD-1-3421,3422	STICK BUILT

MAJOR WORK

Steel Structure	:	2,937	ton
Equipment	:	1,065	ton
Pipeline	:	86,779	DI
Painting	:	89,316	m2
Commissioning	:	1	lot

I5. Photograph - SMP Work on Jetty WP7



Site Photograph – March 2023

I5. Photograph - SMP Work on Jetty WP7

Site Photograph – November 2023

I5. Photograph - SMP Work on Jetty WP7

Module Fabrication – March 2023

I5. Photograph - SMP Work on Jetty WP7

Module Fabrication – February 2023

I5. Photograph - SMP Work on Jetty WP7

Module Assembly – February 2023

Module Assembly – February 2023

I5. Photograph - SMP Work on Jetty WP7

Module Assembly – February 2023

Module Assembly – February 2023

I5. Photograph - SMP Work on Jetty WP7

Handling & Transport – March 2023

Handling & Transport – March 2023

I5. Photograph - SMP Work on Jetty WP7

Site Erection – February 2023

Site Erection – February 2023

I5. Photograph - SMP Work on Jetty WP7

Site Erection – March 2023

Site Erection – March 2023

I5. Photograph - SMP Work on Jetty WP7

Site Erection – February 2023

I5. Photograph - SMP Work on Jetty WP7

M12 Sea Side Module – March 2023

I5. Photograph - SMP Work on Jetty WP7

M12 Sea Side Module – March 2023

What is The Merit to Business with PT Tekniko Indonesia

01 EPC Main-Cont J.O Partner for “Civil, Cargo Handling, Jetty, Mech. Installation”

02 No. 1 “Korean & Indonesia Expert” construction company

03 GAPENRI member (association for EPC contractor) & IUJPTL permit for Hydro and Coal Fired Power Plant

04 Owned steel fabrication workshop 15,000 ton/year more than 100 heavy equipment for construction

05 “ZERO” debit

06 Construction project value up to “USD 150 million”

THANK YOU

PT. TEKNIKO INDONESIA

we construct your wealthy future

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☎ 021-5583888

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