



BJC Heavy Industries PCL.

Company Capabilities & Experiences

“New Force in Heavy Industries”



Website
www.bjc1994.com

Welcome to BJCHI



Delivering integrated Engineering, Procurement, Fabrication,
and Modularization services.



Founded in 1994



Headquartered in Rayong, Thailand



Listed on the Stock Exchange of Thailand (SET)



Registered Capital: THB 400 Million



Company Vision & Mission

Vision

BJCHI aims to be a trusted provider of integrated Engineering, Procurement, Fabrication, and Modularization services.

Mission

Engineering

Prepares shop drawings and fabrication documents in accordance with client specifications and applicable standards.

Fabrication

Fabricates components in accordance with approved drawings, specifications, and quality requirements.

Procurement

Sources quality materials through effective procurement and supply chain management.

Modularization

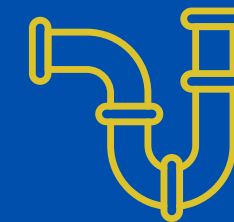
Integrates structures, piping, equipment, and other components into modules at the fabrication yard.



Our Services



**Steel
Fabrication**



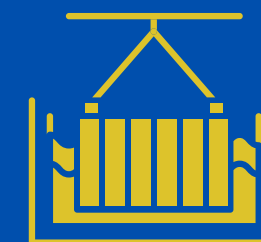
**Piping
Fabrication**



Modularization



**Site Erection
&
Installation**



**Galvanizing
&
Grating**

Certifications

BY TUV NORD

ISO CERTIFICATES ACCREDITED

ISO 9001:2015 (Quality Management System)
ISO 14001:2015 (Environmental Management System)
ISO 45001:2018 (Occupational Health and Safety Management System)

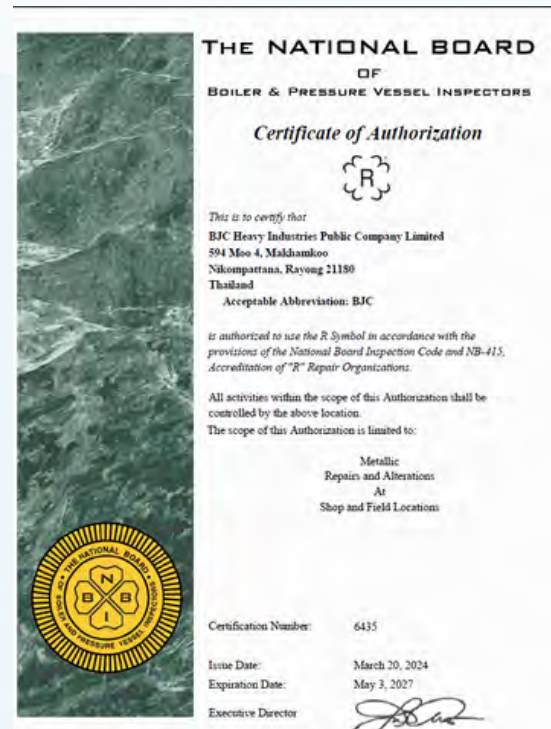
BY ASME

CERTIFICATES FROM AMERICAN SOCIETY OF MECHANICAL ENGINEERS

Standards for “S”, “U” and “U2” (Boiler and Pressure Vessel)



Certifications



BY NBIC

**CERTIFICATES FROM NATIONAL BOARD OF
BOILER AND PRESSURE VESSEL INSPECTIONS**

Standards for “R”, “NB”



BY CWB

**CERTIFICATES FROM
CANADIAN WELDING BUREAU**

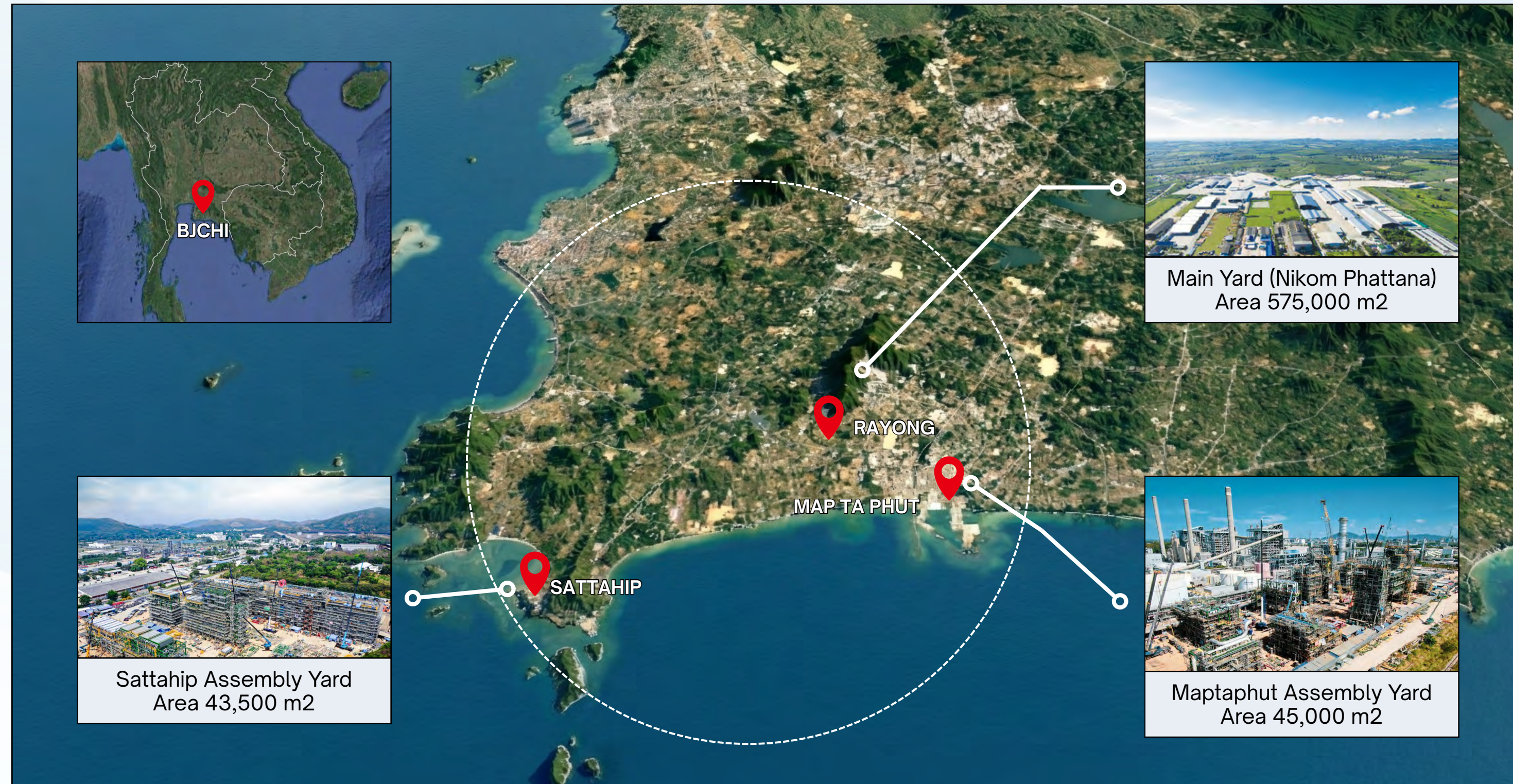
Standards for **CSA Standard W47.1**



Yard & Facilities

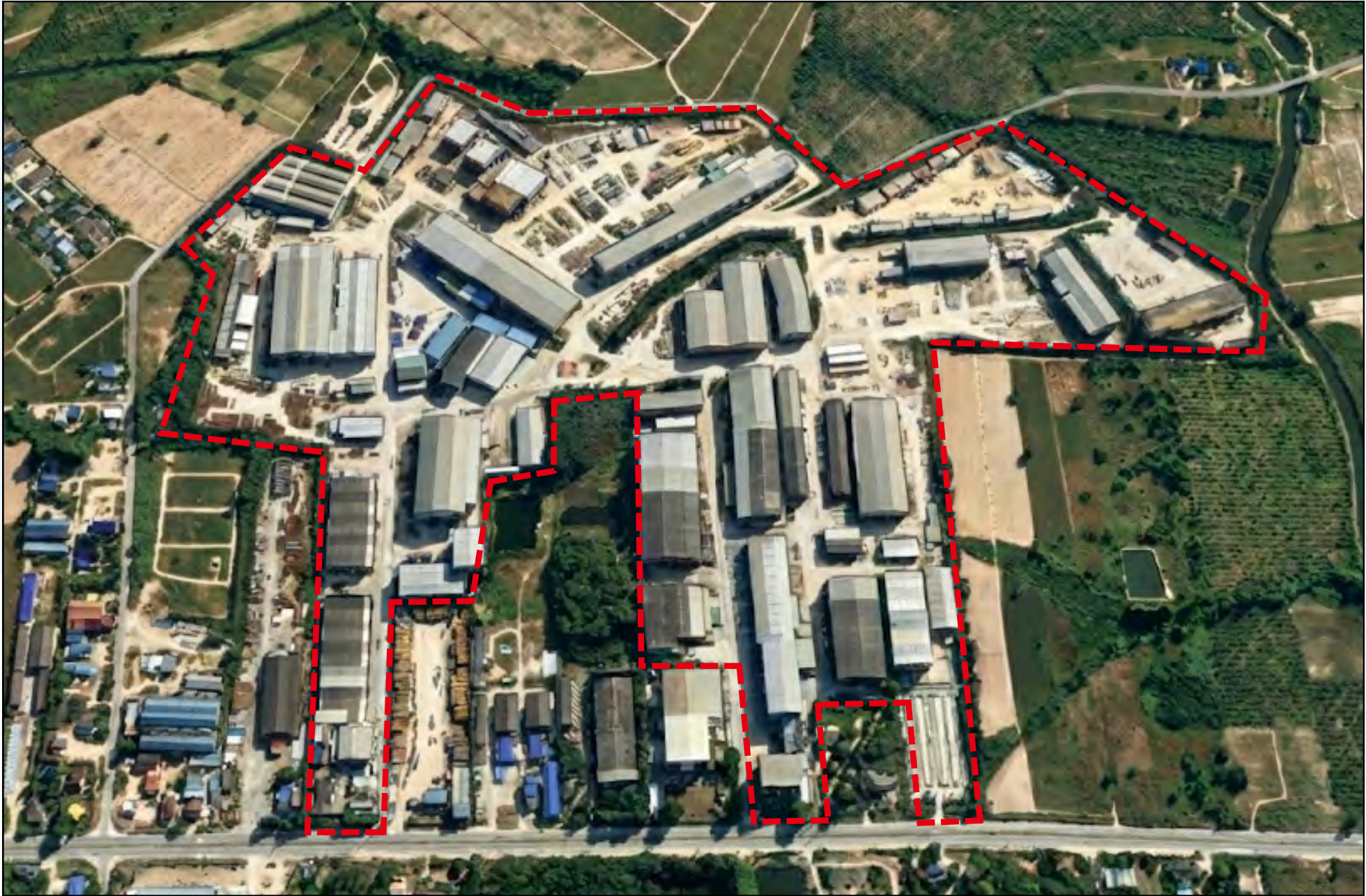
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Yard & Facilities

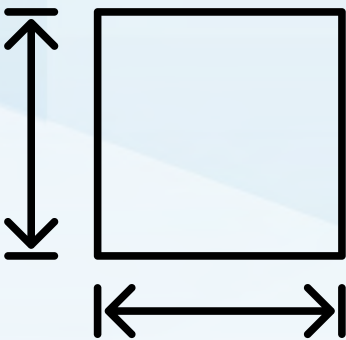


Main Yard (HQ)

Nikom Phattana, Rayong



Note: Owned by BJCHI and serves as the company’s headquarters and primary fabrication shops.

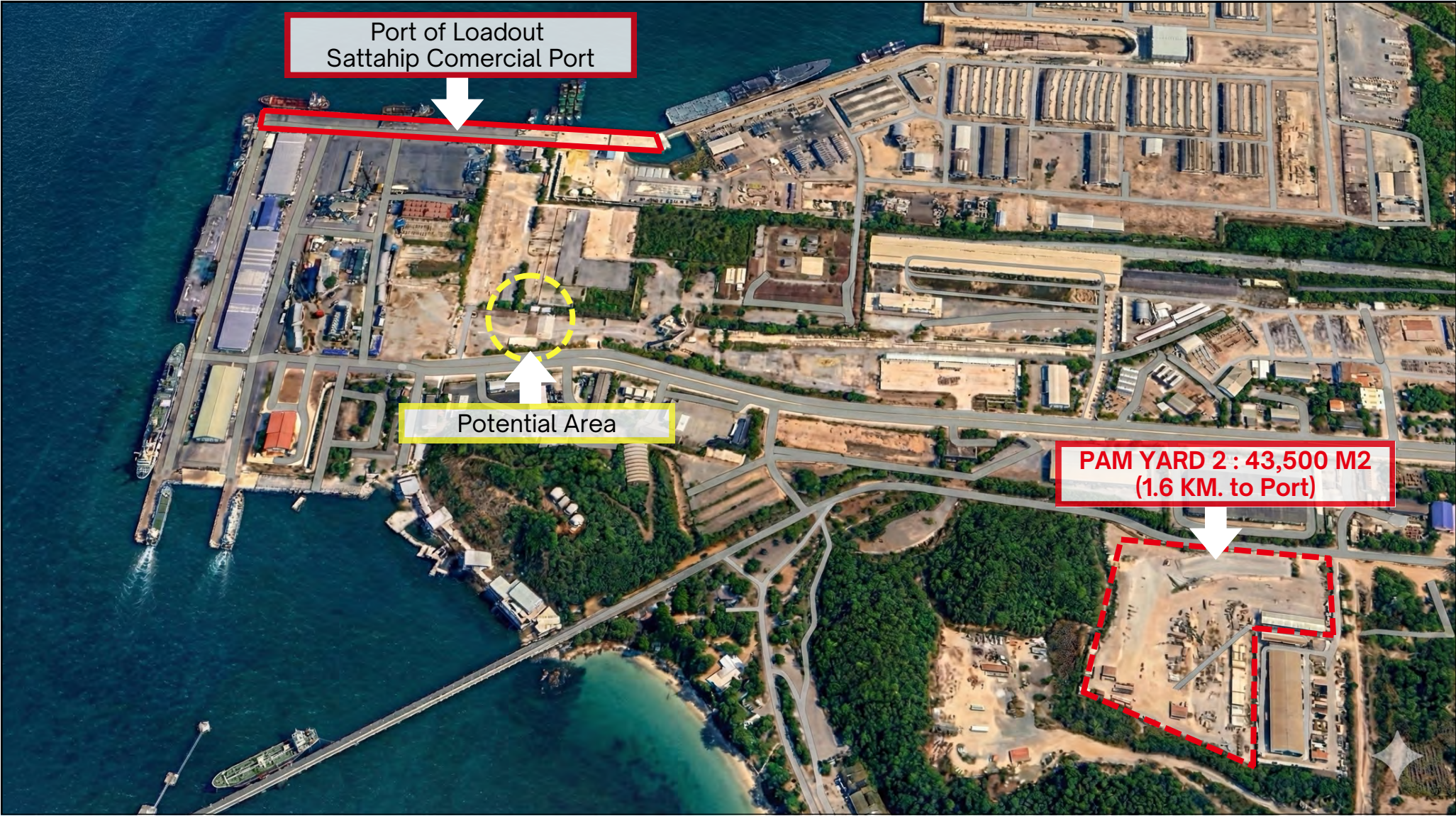


Area **575,000 m²**

	Facility	Q'ty	(M ²)
	Fabrication Shop	37	83,000
	Cutting & Machining	5	10,500
	Equipment Shop	1	2,600
	Piping shop	1	4,500
	Built-up Beam Shop	1	4,800
	Galvanizing Shop	1	4,000
	Grating Shop	1	2,500
	Division & Other offices	11	3,500

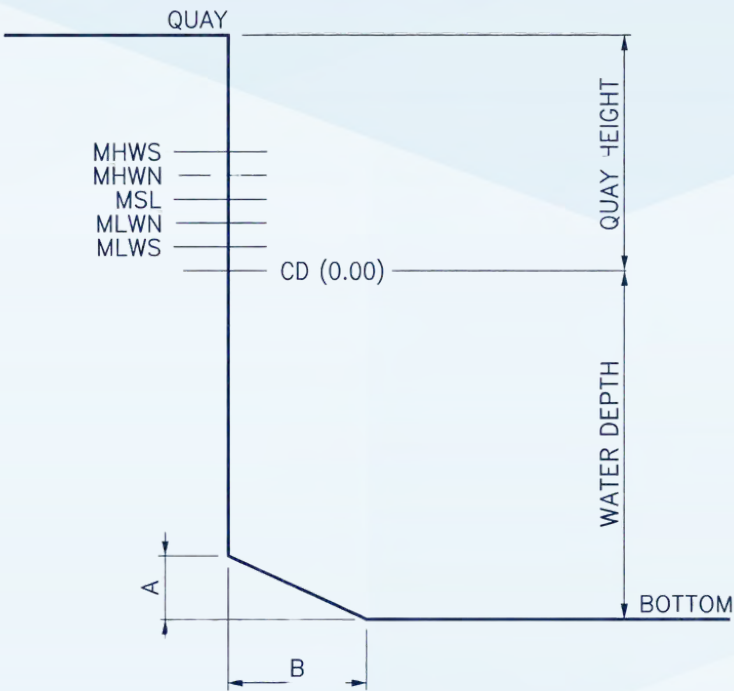
Sattahip

Assembly Yard



Note: Long-term rented assembly yard available for project assembly and loadout activities.

Quayside Information



Description	Value
Port Name	Sattahip Commercial Port
Coordinates	LAT 12 37'N LONG 100 55'E
Quay Length (m)	360
Quay Height from CD (m)	4.85
Max Draft Depth (m)	7.80
MHWS from CD (m)	2.80
MSL from CD (m)	2.07

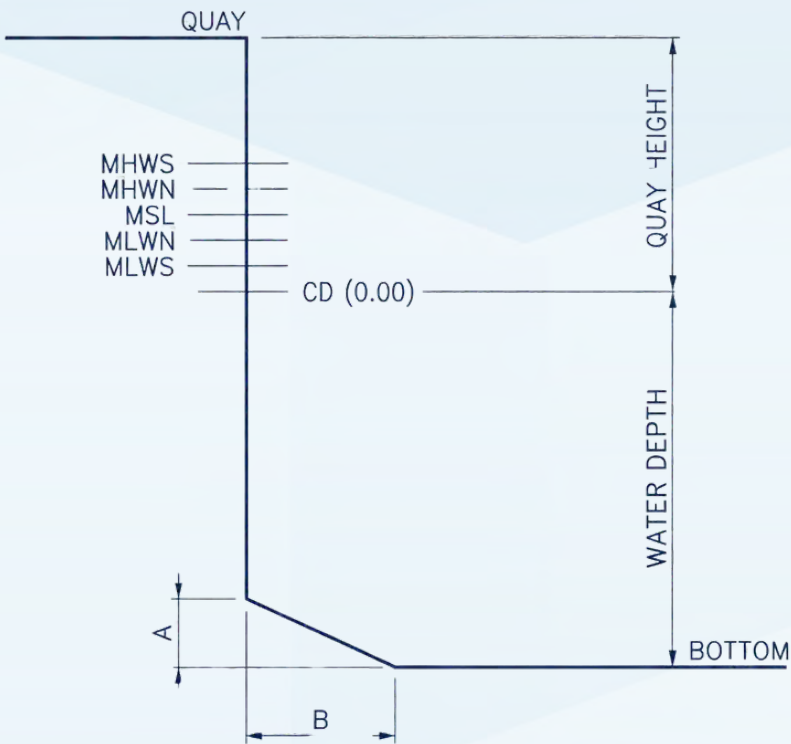
Maptaphut

Assembly Yard



Note: Potential assembly yard, subject to rental arrangement and availability.

Quayside Information

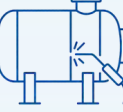
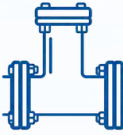
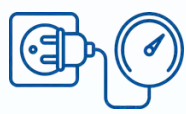


Description	Value
Port Name	TPT Mapyaphut Port
Coordinates	LAT 12 40'N LONG 101 10'E
Quay Length (m)	330
Quay Height from CD (m)	5.17
Max Draft Depth (m)	12.50
MHWS from CD (m)	3.67
MSL from CD (m)	2.07



Yard Capacity & Major Equipment *///*

Yard Capacity (Per Annual)

	Main Yard	STH Yard	MTP Yard
 Fabrication of Structural Steel (TON)	30,000		
 Fabrication of Piping Spools (DI)	960,000		
 Fabrication Vessel (TON)	6,000		
 Surface Preparation & Coating (M ²)	600,000		
 Fire Proofing (M ²)	30,000	20,000	12,000
 Insulation (M ²)	30,000	20,000	12,000
 Assembly Structural Steel (TON)	3,000	12,000	8,000
 Assembly Piping (TON)	1,000	5,000	2,500
 Assembly /Installation Mechanical Equipment (TON)	1,000	4,000	2,000
 Assembly E&I (M)	60,000	250,000	120,000

Major Construction Equipment

X1



Crawler Crane

X16



Mobile Crane

X19



Boom Lift & Scissor Lift

X23



Forklift

X3



Tower Crane

X66



Overhead & Gantry Crane

X30



Prime Mover with Trailer

X8



Hydraulic Jack-up Trailer

Major Construction Equipment



Plate Rolling Machine



Pipe Angle Bending Machine



CNC H-BEAM
Cutting & Drilling Machine



Pipe Cutting Machine



CNC H-BEAM
Plate Drilling
& Punching Machine



Welding Equipment



PWHT furnace



Generator
& Air Compressor

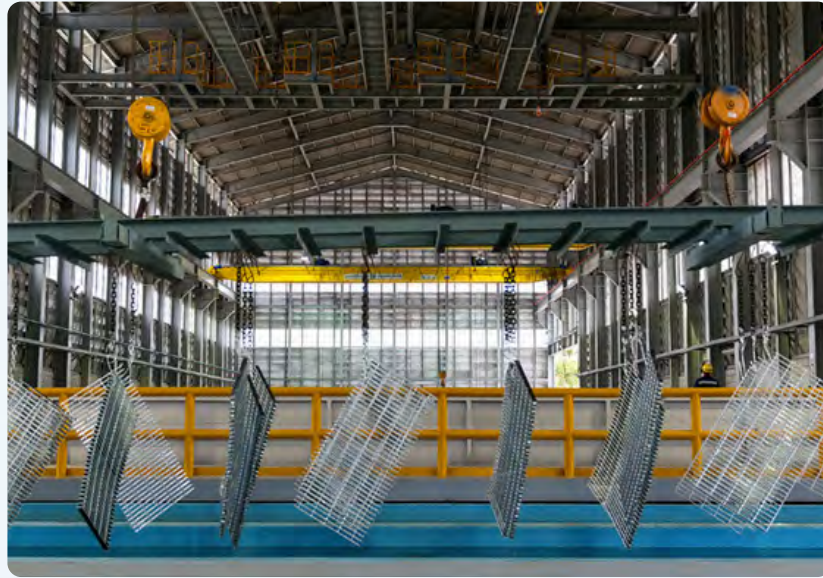


Shot Blasting
& Painting Facilities



Measuring Equipments
& Tools

Galvanizing Work



CAPACITY

3,500 tons / month



KETTLE SIZE

13(L) x 2(W) x 2.7(D) meters



AUTOMATIC WINCH SYSTEM

6 units with control room

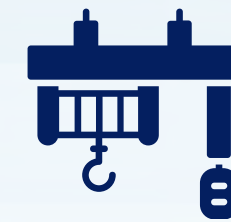


FACILITIES

Facility Area: 28,000 square meters

Factory Area: 3,500 square meters

Stockyard Area: 24,500 square meters



Crane:

- 10 tons (x2)
- 6 tons (x2)
- 3 tons (x1)



STEEL GRATING PATTERN

01

PATTERN A

⬆ Load Bar Pitch: 30 mm ⬅ Cross Rod Pitch: 100 mm

02

PATTERN B

⬆ Load Bar Pitch: 30 mm ⬅ Cross Rod Pitch: 50 mm

03

PATTERN C

⬆ Load Bar Pitch: 40 mm ⬅ Cross Rod Pitch: 100 mm

04

PATTERN D

⬆ Load Bar Pitch: 40 mm ⬅ Cross Rod Pitch: 50 mm

05

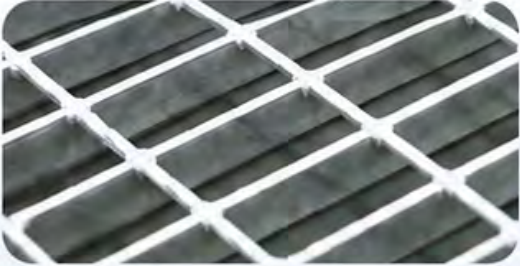
PATTERN E

⬆ Load Bar Pitch: 60 mm ⬅ Cross Rod Pitch: 50 mm

CAPACITY

5,000 tons / annual

SURFACE TYPES

 Plain Surface

 Serrated Surface



Material

- Steel tubes conforming to BS 1139 – hot-dip galvanized
- Drop-forged or pressed steel fittings tested to BS 1139



Installation Standard

- Scaffold structures designed using BS 1139 components and compliant with BS EN 12811-1 for modularization works
- Load-bearing capacity, deflection limits, and anchorage follow standard guidelines



Inspection & Tracking

- Weekly inspections as per BS 1139/BS EN 12811 and internal HSE procedures
- Tagging system: Green (safe), Yellow (caution), Red (unsafe — do not use)

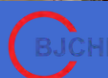


Training

- Scaffolders trained and experienced in working with tube and fitting systems
- In-house training on erecting/dismantling scaffolds



Major Project References



QGI FPSO Topsides P75 / P77



20,000 Tons

May 2014 - Mar 2017

Replicant FPSO

Total 8 Modules

Owner

Petrobras / Brazil

Petrobras FPSO Topsides P66 / P69 / P70



16,500 Tons

May 2015 - Apr 2018

Replicant FPSO

Total 12 Modules

Owner

Petrobras / Brazil

Bualuang 'Charlie' Wellhead Project



2,100 Tons

June 2018 - July 2019

‘Charlie’ Platform Expansion

Total 8 Modules

Owner

Ophir / Thailand

ExxonMobil - CRISP Project



23,000 Tons

Mar 2022 - Jan 2024

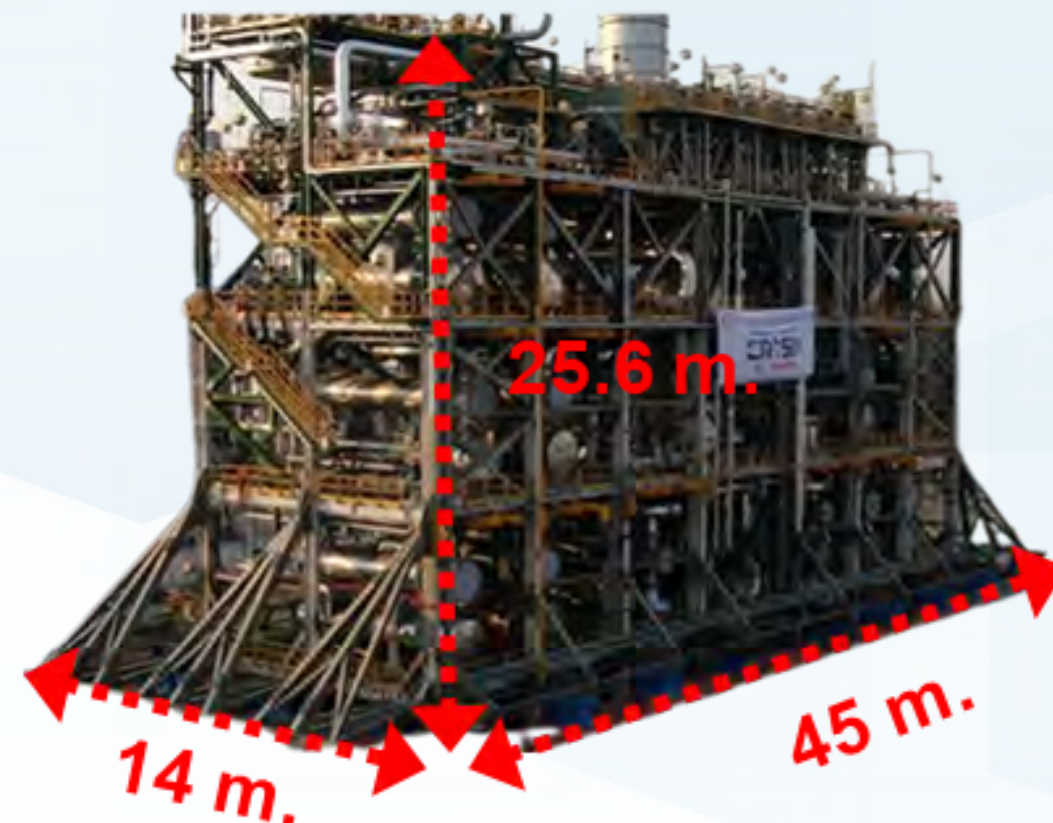
PAR & PAU

Total 35 Modules

Owner

ExxonMobil / Singapore

Largest Module (Shipment 10)
16,200 m³ / 4,200 Tons



ExxonMobil - CRISP Project



SANTOS GLNG & Cooper Basin



3,135 Skids

Jul 2019 - Aug 2027

6 Skid Models

2P, LS, HRLS, Single, Dual and Upgrade

Owner

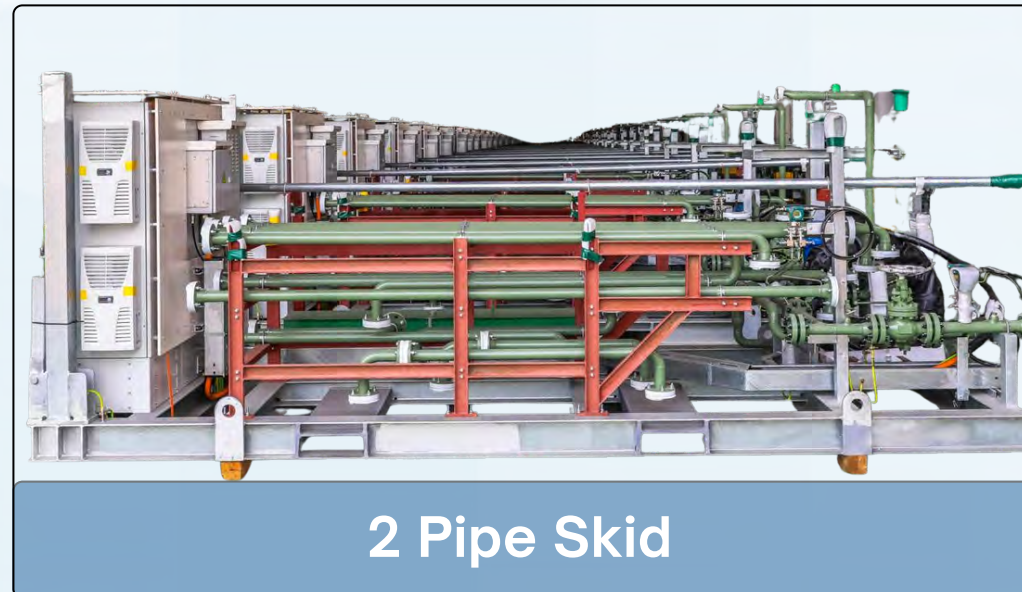
Santos Ltd. / Australia

SANTOS GLNG & Cooper Basin

GLNG



Lean Skid



2 Pipe Skid



HRLS

Cooper Basin



Single Skid



Dual Skid



Upgrade

Cimtas / MHI Gas Turbine Enclosure Project



6,450 Tons

Apr 2020 - May 2029

Gas Turbine Enclosure

Total 29 Units

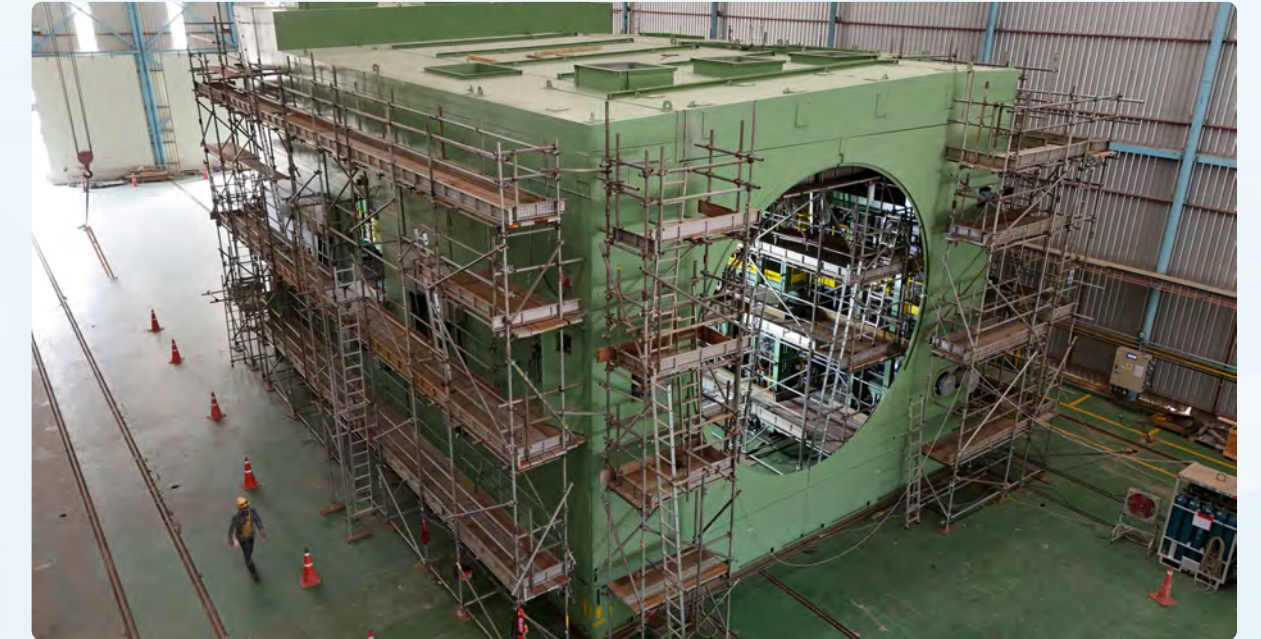
Destination: USA - Canada - Brazil - Taiwan

Client / Owner

Cimtas Ningbo

Mitsubishi Heavy Industries

Cimtas / MHI Gas Turbine Enclosure Project





Project References by Industries

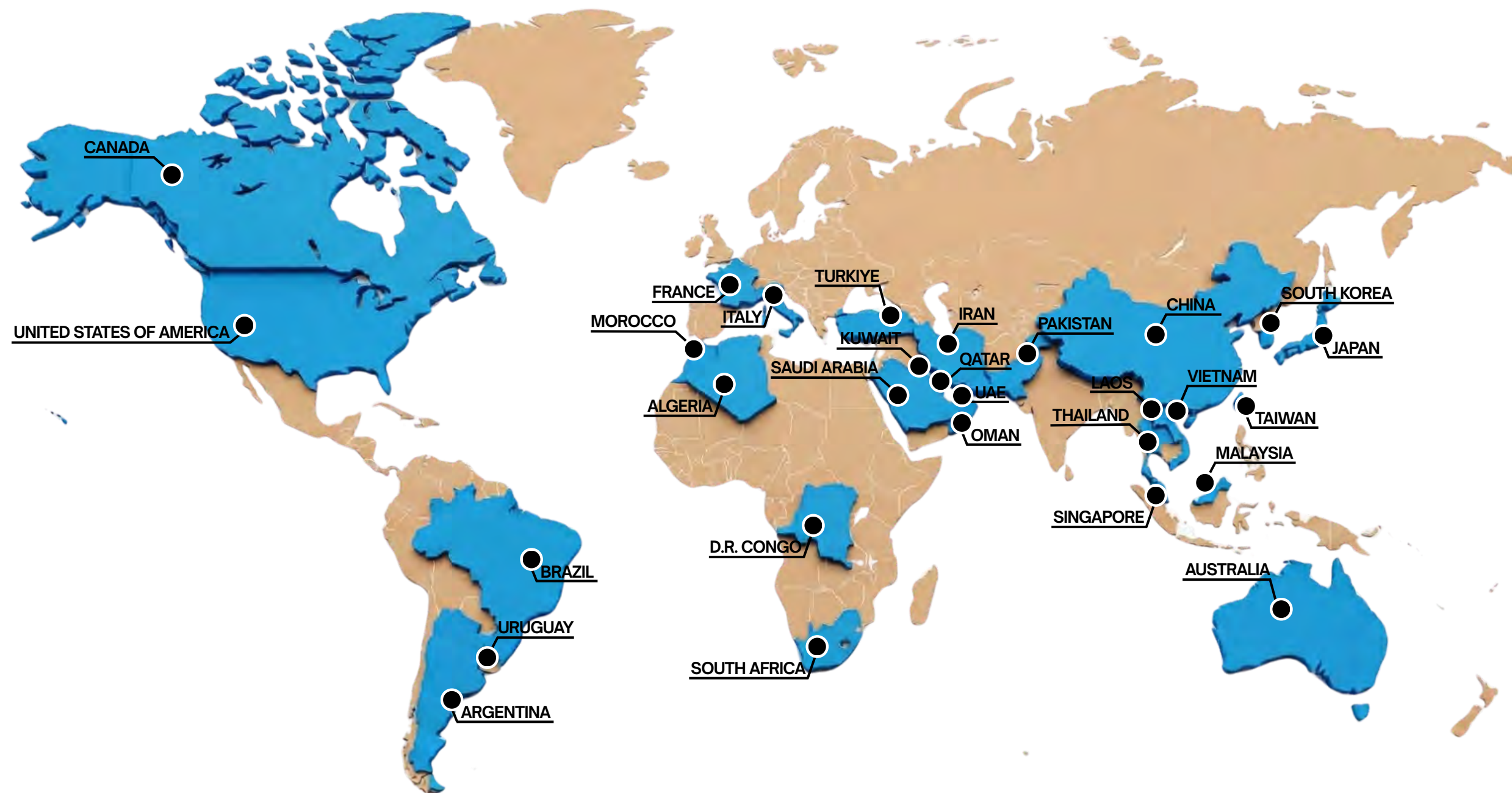


Project	Site	Category	Volume	Year
Koodaideri	 Australia	Transfer Station, Chute & Bin	6,400	2020
Spence Growth	 Chile	Structure and Chute & Bin	1,160	2018
Roy Hill Iron Ore	 Australia	Transfer Station, Chute & Bin and Conveyor Truss	6,000	2014
Cape Lambert Port B : Phrase C	 Australia	Transfer Station, Chute & Bin and Conveyor Truss	2,200	2014
Cape Lambert Port B : Phrase B	 Australia	Transfer Station, Chute & Bin and Conveyor Truss	4,500	2013
Cape Lambert Port B : Phrase A	 Australia	Transfer Station, Chute & Bin and Conveyor Truss	2,900	2012
FMG Solomon	 Australia	Transfer Station, Chute & Bin and Conveyor Truss	1,400	2011
Phu Bia Mining	 Laos	Mining Facility : Structure, Piping and Storage Tank	1,200	2011
Geraldton Port Berth 7	 Australia	Port Facility Structure & Precast Concrete	1,150	2011
Rapid Growth Project 5	 Australia	Mining and Port Facility	4,400	2009
Tenke Fungurume Mining	 DR Congo	Mining Facility : Structure, Piping and Storage Tank	5,250	2008
Rio Tinto Alcan Mining	 Australia	Liquid Purification Units	1,800	2006
Rio Tinto Alcan Mining	 Australia	Alumina Handling Systems Modules	1,200	2006
Rio Tinto Alcan Mining	 Australia	Calcination Modules	8,000	2005

Project	Site	Category	Volume	Year
ExxonMobil CRISP	 Singapore	Pre-Assembly Units (PAUs) & Pipe Assembly Racks (PARs)	23,000	2019
LINDE Hydrogen Plant	 USA	Pre-Assembly Units (PAUs) & Pipe Assembly Racks (PARs)	4,000	2019
MHI 2 Reformers	 Algeria	Radiant, Convection Module and Start-up Heater	1,700	2009
Air Liquide Hydrogen Reformer	 Singapore	Radiant, Convection Module and Flue Gas duct & Stack	2,400	2009
Saipem Reformers	 Qatar	Radiant, Convection Module and Air duct	2,000	2008
Aromatics Complex Project	 Thailand	Continuous Catalytic Reforming System (CCR)	1,500	2006
Aromatics Complex Project	 Thailand	Radiant, Convection Module and Start-up Heater	1,800	2006
Bridgestone Carbon Black	 Thailand	Carbon Black Facility Installation	3,300	2002
Storage Tank Project	 Thailand	Rayong Tank Terminals (RTT) & Thai Petrochemical Industry (TPI)	2,050	2000
Qatar Petroleum Storage Tank	 Qatar	Storage Tank	1,500	2000
Bangkok Synthetics (BST) C4	 Thailand	Piping & Steel Structure	2,680	1998
NFC Fertilizer Plant	 Thailand	Piping & Storage Tank	11,000	1996
TOC Rayong Refinery	 Thailand	Piping & Storage Tank	8,100	1994
TOC Aromatics Plant	 Thailand	Piping & Storage Tank	5,200	1994

Project	Site	Category	Volume	Year
SANTOS Wellhead Skids #7	 Australia	Skid Base, Piping Vessel and E&I	1,450	2023
SANTOS Wellhead Skids #6	 Australia	Skid Base, Piping Vessel and E&I	1,450	2023
SANTOS Wellhead Skids #5	 Australia	Skid Base, Piping Vessel and E&I	2,300	2022
SANTOS Wellhead Skids #4	 Australia	Skid Base, Piping Vessel and E&I	1,700	2021
SANTOS Wellhead Skids #3	 Australia	Skid Base, Piping Vessel and E&I	2,300	2020
SANTOS Wellhead Skids #2	 Australia	Skid Base, Piping Vessel and E&I	1,650	2019
SANTOS Wellhead Skids #1	 Australia	Skid Base, Piping Vessel and E&I	1,600	2019
PTTLNG Nong Fab	 Thailand	Roof Structure for LNG Storage Tanks	3,800	2019
Bualuang Offshore	 Thailand	Platform Modules & Jackets	2,100	2018
UPNG Comperj	 Brazil	Natural Gas Processing Units	2,500	2018
Petrobras FPSO - P66 / P69 / P70	 Brazil	Topside Module : Compression Units	16,500	2015
Petrobras FPSO - P75 / P77	 Brazil	Topside Module : Utilities Units	20,000	2014
Wheatstone LNG Tank	 Australia	Roof Structure for LNG Storage Tanks	2,200	2013
APLNG Upstream	 Australia	Gas Process Modules & Skids	12,750	2012

Global Project Footprint



Contact With Us



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A large, complex industrial facility, likely a refinery or chemical plant, featuring multiple levels of metal scaffolding, pipes, and yellow safety railings. The structure is set against a clear blue sky.

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