



saipem

work in progress

PT SAIPEM INDONESIA KARIMUN ISLAND YARD

INDONESIA



THE YARDS

KARIMUN ISLAND YARD

YARD GENERAL INFORMATION KARIMUN ISLAND BASE

Total area	sq.m	920,000
Fabrication area covered	sq.m	62,000
Fabrication area open	sq.m	200,000
Warehousing covered	sq.m	3,000
Warehousing open	sq.m	40,000
Blasting/painting area	sq.m	9,600
Assembly area	sq.m	200,000
Office area	sq.m	12,800
Skid ways	number	2
Closest port distance	km	0
Main international airport (Singapore)	hrs (road + ferry)	2
Freezone		yes

LOAD OUT QUAY

Annual tonnage	MT	30,000
Annual man-hours		4,100,000
Standard man-month	man-hours	340,000
Largest jacket	MT	30,000
Largest deck	MT	15,000
Largest spar hull	MT	30,000
Max. wharf side lift	MT	650

YARD EQUIPMENT

Crawler crane	Number		12
	Capacity max.	MT	350
Mobile crane	Number		21
	Capacity max.	MT	60
Forklift	Number		12
	Capacity max.	MT	40
Cherry picker	Number		6
	Capacity max.	MT	600
Multi wheel transport	Number		20
	Capacity max.	MT	600
Tower crane	Number		6
	Capacity max.	MT	1,000



LOAD OUT QUAY

Load out capacity	MT	30,000
Length	m	825
Reinforced quay length (50 T/sq.m)	m	100
Depth min.	m (LLW)	11
Distance to open sea	m	1,000
Tide variation	m (LAT)/(HAT)	±2.5
Depth min. to the sea	m (LLW)	11

FABRICATION FACILITY

Structural steel prefabrication	Surface covered	sq.m	18,500
	Cranage (overhead cranes)	number	14
	Cranage capacity max.	MT	50
	Profiling machine	number	2
	Dia. capacity	mm	1,500
Piping fabrication	Carbon steel piping	sq.m	7,200
	Exotic piping	sq.m	2,400
Heavy/light welding line	Total surface	sq.m	5,000
	Cranage	number	4
	Cranage capacity max.	MT	80
	Max. diameter	m	4
Sand blasting & painting	Total surface	sq.m	9,600
	Surface covered	sq.m	8,000
Assembly area	Type of area		covered
	Surface covered	sq.m	7,200
	Area under crane cover	sq.m	6,800
	Cranage	number	8
	Cranage capacity max.	MT	120
Erection area	Type of area		open
	Total surface	sq.m	200,000
	Load out method		trailers/skids
	Quay bearing capacity	MT/sq.m	50
	Soil bearing capacity min.	MT/sq.m	20
	Skid ways	number	2
	Skid ways capacity	MT/m	100
	Max. load out weight	MT	30,000
	Maintenance shop	Surface covered	sq.m
Cranage		number	3
Cranage capacity max.		MT	10
Warehouse & bulk storage area	Covered	sq.m	3,000
	Open	sq.m	40,000

