



INTRODUCTION



Petroventure Energy Sdn Bhd was established in 2019 for the purpose of developing projects Oil Storage and Refinery Plant at the Sipitang Oil and Gas Industrial Park (SOGIP), Sabah, Malaysia. It's core business includes Refining and Blending, Storage, and Trading of various petroleum products. With its international experience and networks, Petroventure set to become Independent Oil Storage and Refinery Plant in Sabah in line with country's aspiration to become the centre of petroleum product trading. This is particularly significant in Sabah as one of the producers of oil and gas in Malaysia. Sabah strong and strategic position at the centre of the ASEAN market makes it an attractive location in providing all the essentials for the industry to cater to all global markets.

PETROVENTURE ENERGY SDN BHD ON PROCESS TO BUILD PETROLEUM OIL STORAGE WITH THE CAPACITY OF 2 MILLION CM3 & 3.5 TO 10 MILLION TONS A YEAR OIL REFINERY PLANT (70,000 UP TO 150,000 BARREL PERDAY) AT SIPITANG OIL AND GAS INDUSTRIAL PARK (SOGIP), SABAH, MALAYSIA.

INTRODUCTION

Company : Petroventure Energy Sdn Bhd (as Special Purpose Vehicle Company)

Company No. : (1342331-A)

Reg. Address: Unit No. 3.24, 3rd Floor, Kompleks Asia City, Jalan Asia City, 88000

Kota Kinabalu, Sabah, Malaysia.

Cores. Address: Lot No. A-2-22, Block A, Lorong Inanam Kapital 2, Inanam Capital, Jalan Nountun, 88450 Inanam, Kota Kinabalu, Sabah, Malaysia.

Paid Up Capital : RM10,000,000.00

Owner : Jesselton BIROST (Sabah) Sdn. Bhd.

Incharge Person: Mohd Sham Haji Mohd Yasin

Contact No. : +6016-8120708

Email : syjsham@gmail.com / petroventureenergy@gmail.com



PROJECT DETAILS

DEVELOPING A WORLD CLASS OIL STORAGE & REFINERY PLANT

PROJECT TITLE

DEVELOPED PETROLEUM OIL STORAGE & REFINERY PLANT

PROJECT LOCATION

SIPITANG OIL AND GAS INDUSTRIAL PARK (SOGIP), SIPITANG, SABAH, MALAYSIA

AREA

250 ACRES

DEVELOPMENT DETAILS

- CONSTRUCTION OF 70,000 UP TO 150,000 BPD REFINERY & 2 MILLION M3 OIL STORAGE FOR CRUDE & REFINED PRODUCTS
- TERMINAL BUILDING
- · JETTY

PROJECT BRIEF

- TO BUILD OIL STORAGE WITH CAPACITY 2 MILLION M3 (ESTIMATED 80 TO 100 TANKS) (ESTIMATED USING 100 ACRES OF LAND)
- TO BUILD OIL REFINERY WITH CAPACITY 70,000 UP TO 150,000 BPD (ESTIMATED USING 100 ACRES OF LAND)
- · TO BUILD TERMINAL BUILDING AND RELATED FACILITIES (ESTIMATED USING 50 ACRES OF LAND)

PROJECT COST

ESTIMATED INVESTMENT USD 2.0 BILLION: (REFINERY, OIL STORAGE INCLUDING JETTY & FACILITIES, MOORING FACILITIES, PETROLEUM TEST LAB, ADMIN BUILDING, FIRE STATION, BLENDING PLANT, SURAU & ETC)

CONSTRUCTION DURATION

APPROXIMATE 3-5 YEARS DEPENDING ON THE APPROVAL PROCESS

LEASING PERIOD

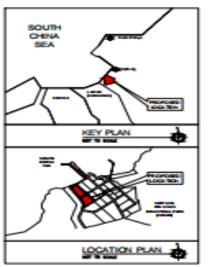
30 YEARS + 30 YEARS WITH EXTENSION



SOGIP MASTER PLAN



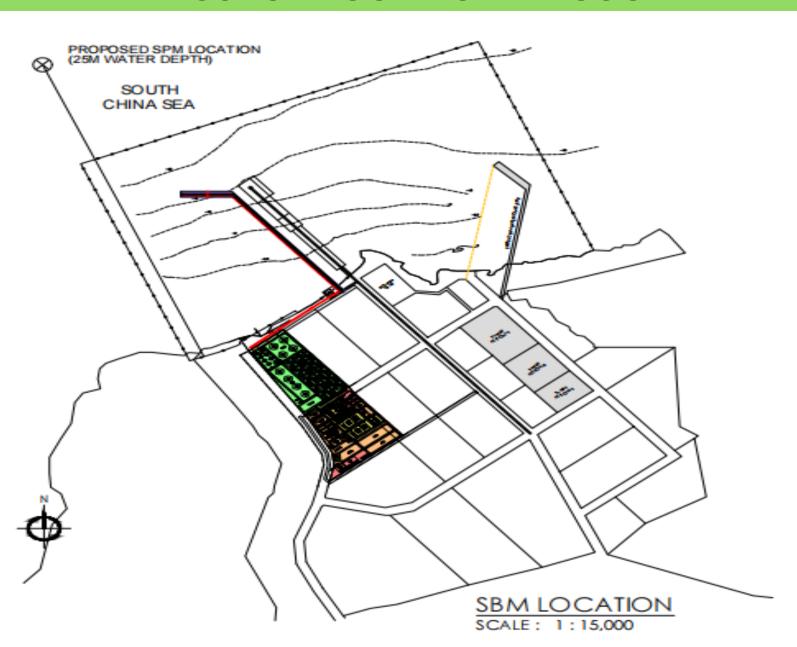
PROJECT LOCATION AT SOGIP

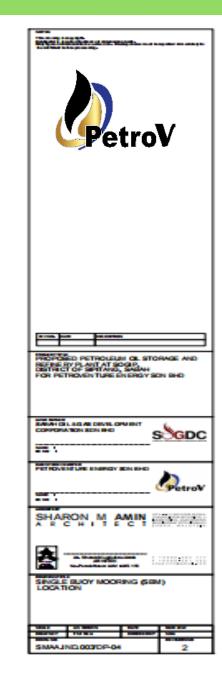


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Contractor Contractor		1048		
TOTAL		3 MILES		









PETROVENTURE ENERGY SDN BHD

DEVELOPMENT PLAN



PROJECT LAND USE

Total Land	- 250Acres @ 101.00 Ha

1)	Device Footprint	- 10.47 Ha

2)	Plant Storage Area	- 3.6	3 F	ła

3) Land Torch System	- 0.7 Ha
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4) Public Works Area	- 5.64 Ha
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5) Land For Auxiliary Facilities	- 3.62 Ha
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1.78 H	a
	1.78 H

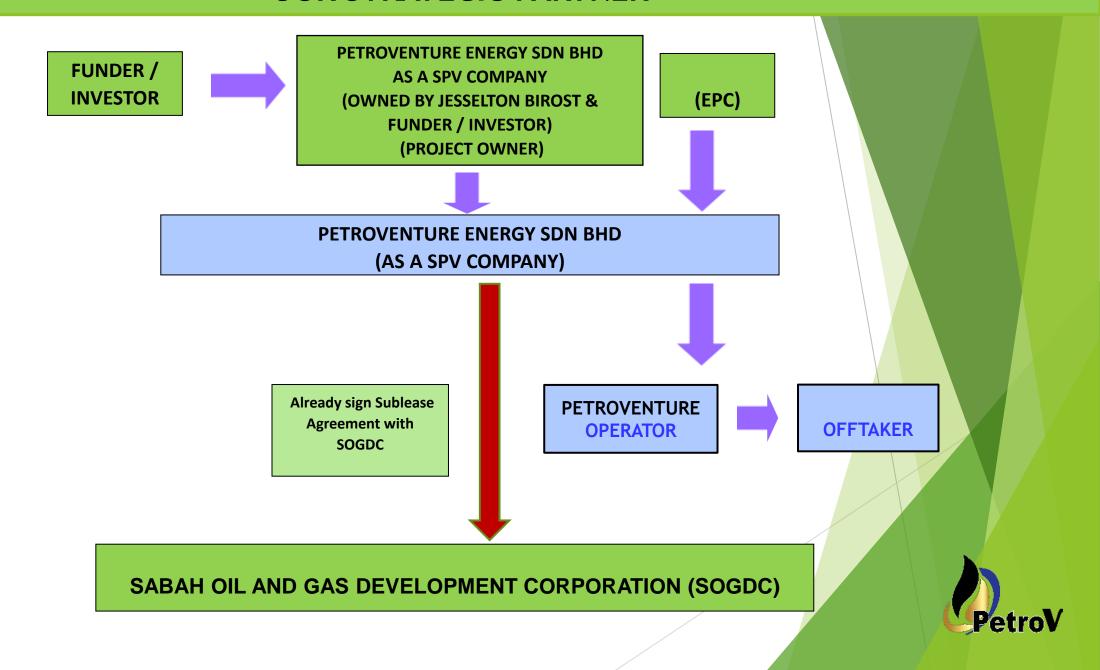
8)	Roads,	Corridors and Reserved Area	- 10.52 Ha
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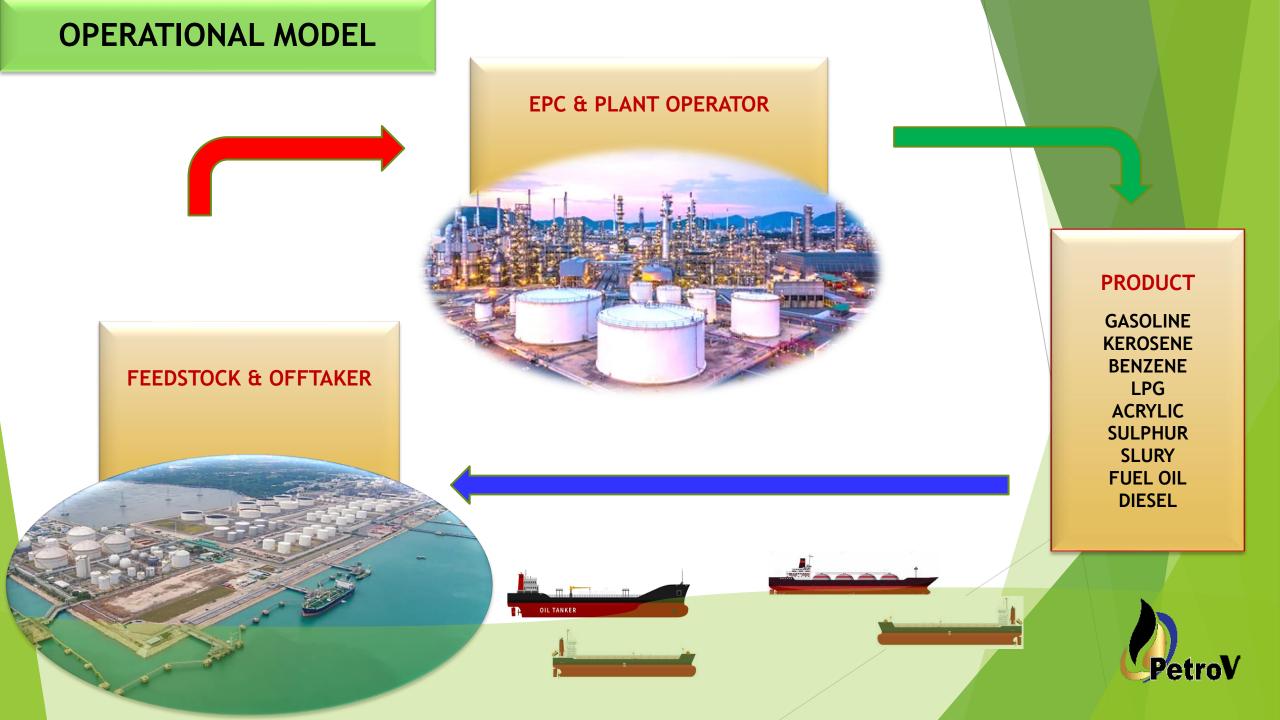
9) Land For Tank Farm	- 8.66 Ha
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14) Land For Administrative Service Facilities & Others - 10.19 Ha



OUR STRATEGIC PARTNER





PETROVENTURE DEVELOPMENT STAGE

- STAGE 1 : Conceptual Stage
 - Feasibility Studies, Environmental Impact Assessment (EIA) Report, Soil Investigation (SI) report Topography Survey & Etc.
 - Preparation of DETAIL IDEA PROPOSAL, DRAFT DESIGN PLAN, Conceptual Layout Plan AND DRAFT BILLS OF QUANTITY (BQ).
 - Preparation of DETAIL real PROPOSAL, real DESIGN PLAN, real Layout Plan AND BILLS of quantities (BQ) for Submission of Development Plan to Local Authority.
 - Sub-Lease Agreement Signing / Land Premium.
 - Preliminary Project / Work Program.
- STAGE 2 : Detail Design
 - Detail Design, Engineering & Management Cost, Tender Documentation / Bidding, Negotiation and Project Award.
- **STAGE 3**: Construction Stage
 - Project Scheduling and Monitoring, Construction Management & Supervision.
 - Inspection and Quality Assurance, Contract Management and Claim Certification.
- STAGE 4 : Commissioning And Start-Up
 - Commissioning
 - Start-Up
- STAGE 5 : Operation And Maintenance Period
 - Monitor and Auditing on Engineering & Construction, Corrective & Modification for All Defect.
 - Period for 36 Months.
- STAGE 6 : Training & Human Resource Development (Transfer Technology)
 - Skill Training for Operators and Management for Storage Terminal, Refinery & Marine, Course on HSE.



PROPOSED INVESTMENT VALUE STRUCTURE (USD2.0 BILLION)

YEAR	WORK DESCRIPTION	TIME FRAME/MONTH	INVESTMENT VALUE (USD)
1	 SITE PREPARATION INFRASTRUCTURE BUILDING FACILITIES STORAGE TANK & TERMINAL 	01 - 08 MONTHS 03 - 36 MONTHS 05 - 36 MONTHS 05 - 60 MONTHS	} USD500,000,000.00
2	 INFRASTRUCTURE BUILDING FACILITIES STORAGE TANK & TERMINAL JETTY 	03 - 36 MONTHS 05 - 36 MONTHS 05 - 60 MONTHS 08 - 36 MONTHS	} USD400,000,000.00
3	 INFRASTRUCTURE BUILDING FACILITIES STORAGE TANK & TERMINAL JETTY REFINERY 	03 - 36 MONTHS 05 - 36 MONTHS 05 - 60 MONTHS 08 - 36 MONTHS 12 - 60 MONTHS	} USD500,000,000.00
4	 STORAGE TANK & TERMINAL JETTY REFINERY 	05 - 60 MONTHS 08 - 36 MONTHS 12 - 60 MONTHS	} USD300,000,000.00
5	STORAGE TANK REFINERY	05 - 60 MONTHS 12 - 60 MONTHS) USD300,000,000.00

USD2.0 BILLION

OTHERS

TOTAL AMOUNT INVESTMENT:

OIL & GAS DEMAND PERSPECTIVE



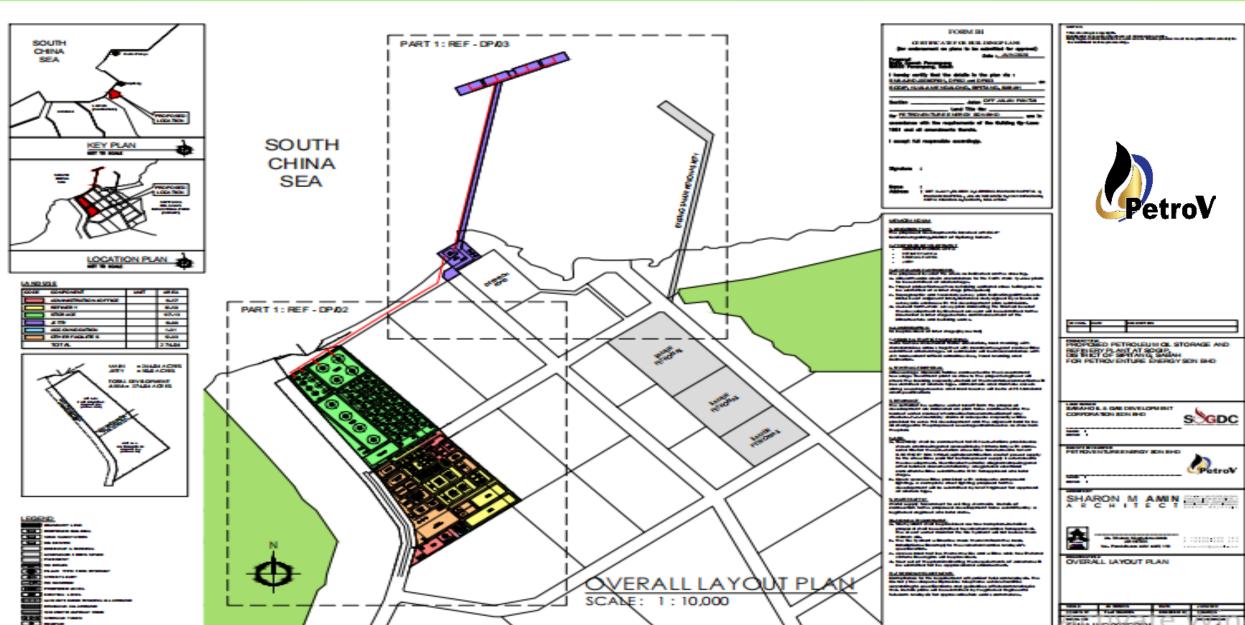
Korean Oil & Gas Company Gives Employees 120 Months of Bonus fo...

As we usher into the new year, many comp... worldofbuzz.com

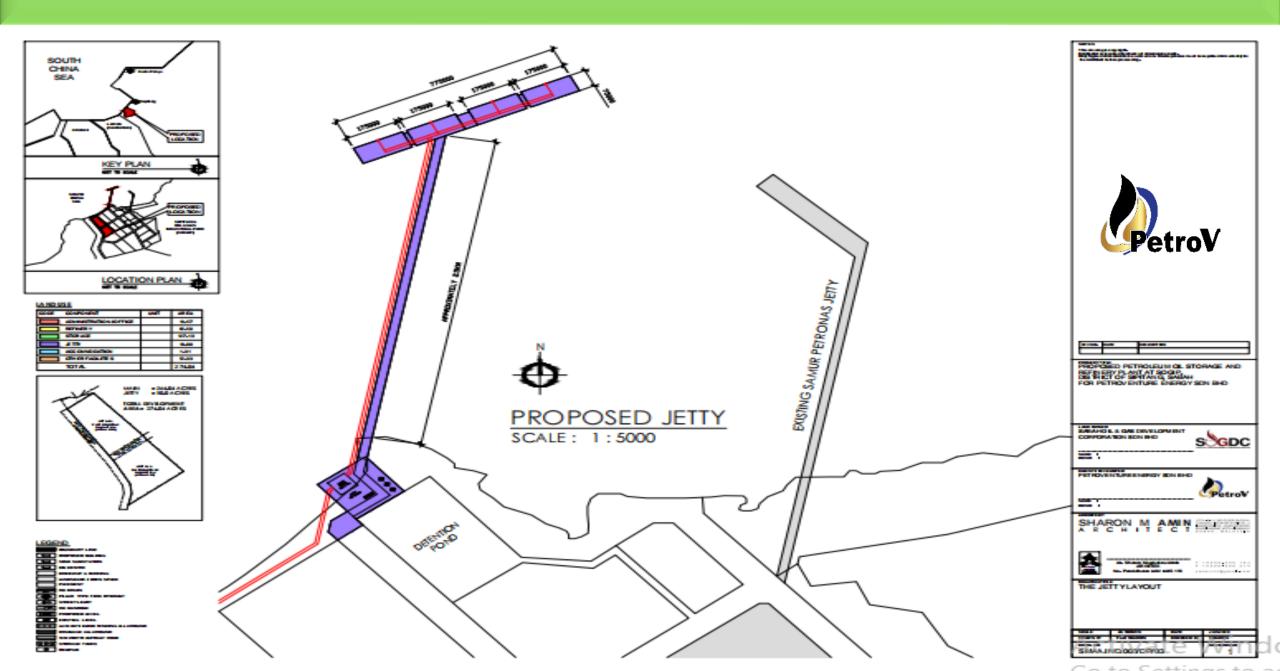
Korean Oil & Gas Company Gives Employees 120 Months of Bonus for 2022 https://worldofbuzz .com/korean-oil-gas-company -gives-employees-120-months-of -bonus-for-2022/



PROPOSED NEW JETTY LOCATION ALIGNMENT

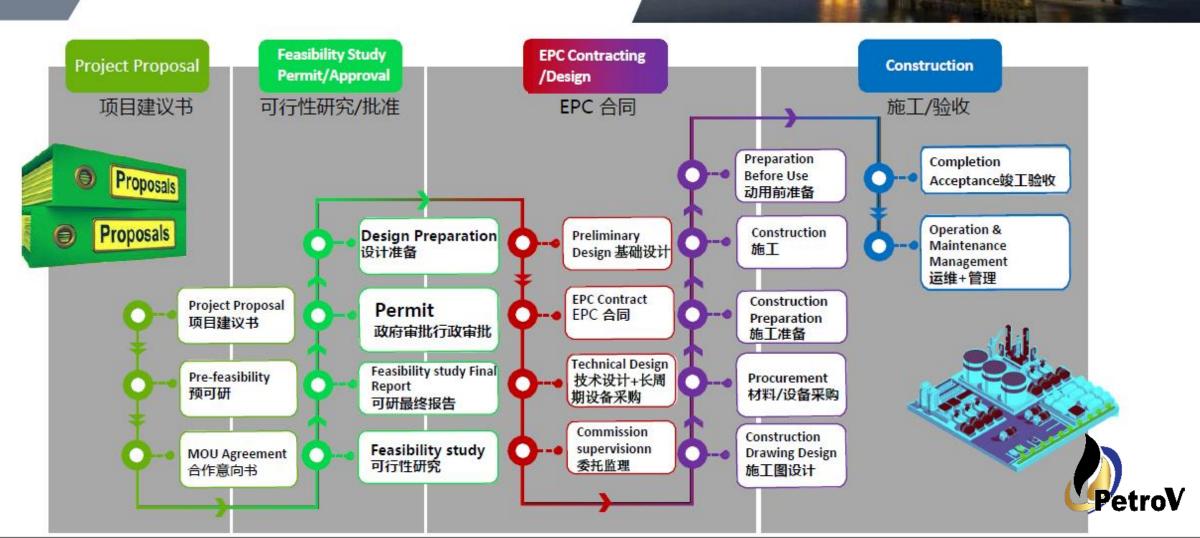


PROPOSED NEW JETTY LOCATION ALIGNMENT



Ingineering Pipeline

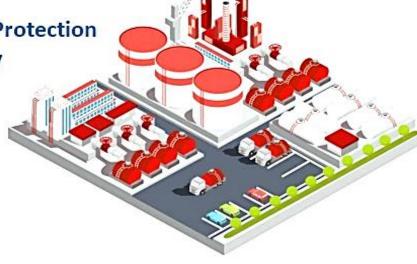




Conceptual Design - Design Principles

Take into consideration the logistic, raw materials availability, manpower and other relevant:

- O Reliable Long-Term Crude Oil Supply
- Economic
- O Products
- Environmental Protection
- O Industrial Safety
- Social Benefit
- O ROI





1. General Process Diagram & Products

- 3.5 million tons / yr. atmospheric and pressure reducing device
- 1.6 million tons /yr. catalytic cracking unit
- 1 million tons / yr. delayed coking unit
- 600,000 tons / yr. continuous reformer
- 1.8 million tons/yr. coking gasoline and diesel hydrotreating unit
- 800,000 tons / yr. gasoline hydrogenation etherification unit
- 250,000 tons /yr. gas plant
- 30,000 m 3/hr. Hydrogen Production Unit
- 800,000 tons/yr. Gasoline Liquid Hydrocarbon Desulfurization Unit
- 30,000 tons/yr. Sulphur Recovery unit
- 90 tons / hour sewage stripping unit

OUR CONCEPTUAL PLAN OVERVIEW



1. Process Production Units

Crude oil separation device
Diesel Hydrotreating Unit
Semi-regenerative Reforming device
Fluid Catalytic Cracking Unit
Sulfur Recovery Unit
Isomerization Unit

3. Utilities

Water Supply System--industrial/residential
Fire Water hydrant System
Circulating cold/hot water pipeline

Sewage pipeline system

Rainwater system

Electrical & Communication

Dynamic system - steam/air/Water

Demineralization/Nitrogen supply

2. Storage & Transportation
Storage Tank
Jetty
Oil Pipeline
Oil Tank Truck/Train

4. Auxiliary Production Facilities DCS (Distributed Control System)

Central laboratory

Flare System

Environmental Monitoring Center

Maintenance - Machinery,

electrical, instrument







Utilities

- ☐ The entire plant covers an area of about 72 hectares (minimum)
- Crude oil and refined oil and chemicals are shipped to the factory by terminal shipping and pipe.
 Petroleum coke is shipped in bulk shipping.
- According to the total process flow, crude oil source and product sales market, combined with the maintenance plan of the equipment at the same time, the material entering the plant and the general layout, comprehensively determine the comprehensive storage days of various oil products, and finally determine various oils and chemicals. The capacity and quantity of the tank.
- ☐ Utilities
 - to build a fresh water pressurized water supply station to meet the needs of the entire plant fresh water supply.
 - The whole plant needs a total of about 15,000 tons of circulating water per hour. It is
 necessary to build a circulating water field to meet the needs of the whole plant's circulating
 water supply.



(Cont'd)

- ☐ Utilities
 - Sewage treatment system The refinery produces a total of about 400 tons of sewage per hour (excluding living areas, reservoir areas, and terminals). It is necessary to construct a sewage treatment plant to handle the oily sewage and production wastewater of production facilities and auxiliary production facilities.
 - Exhaust gas treatment system The exhaust gas generated in the whole process is collected by the closed pipeline system, and after being catalyzed and oxidized, it is discharged to the standard.
 - Noise control Sound insulation treatment of compressors and fans that generate noise during the production process.
 - Power supply and telecommunications A total substation of 110kV and 2x35000kVA capacity should be built in the plant to meet the needs of various facilities and system supporting facilities. The estimated operating load is approximately 3,500 kW and the transformer load factor is approximately 45%.





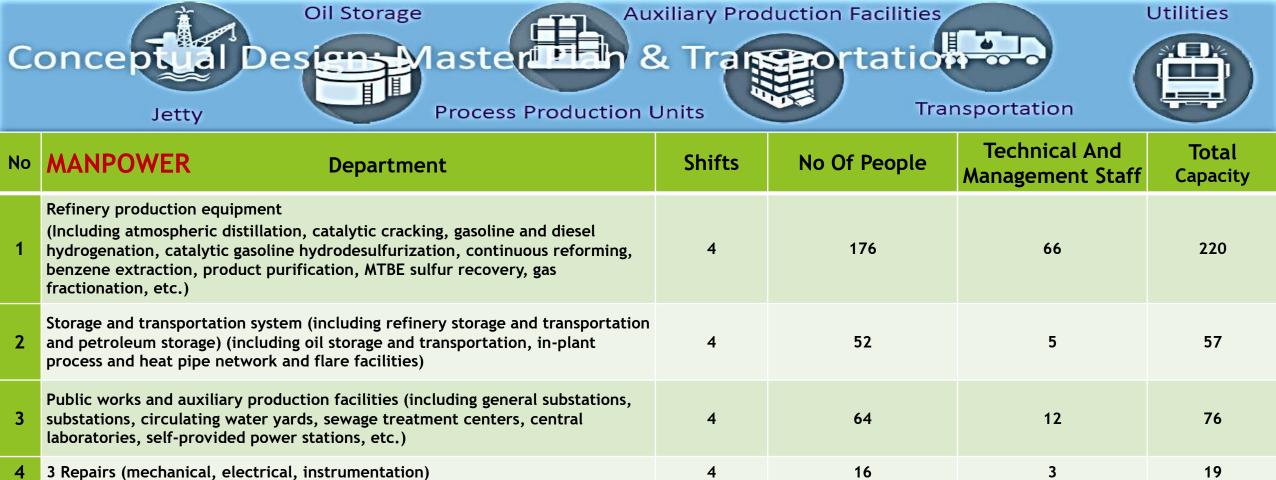
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- Utilities
 - Air and heat Supply –
 - There are 1 power station in the plant, 2 sets of natural gas boilers of 110 tons/hour, 3.5
 tons of steam production capacity of 3.5 MPa, and the main plant has 3.5 MPa, 1.0 MPa
 and 0.4 MPa. Steam pipe network.
 - The demineralized water system with a water supply capacity of 500 tons/h is set in the plant; the deaerator water system with a water supply capacity of 350 tons/hour is set.
 - 3. The air supply capacity of the plant is 300 standard meters/min compressed air system, which provides clean air and non-purified air for the whole plant. Set up a nitrogen station with a gas production of 1500 dm 3 / h.Exhaust gas treatment system The exhaust gas generated in the whole process is collected by the closed pipeline system, and after being catalyzed and oxidized, it is discharged to the standard.



(Cont'd)

- Auxiliary Production Facilities
 - Fire facilities to build a fire station will be built in the whole plant area, equipped with sufficient fire-fighting facilities such as fire engines. Construction of a fire pump station, with fire water storage tanks, fire storage tanks and fire pumps, and fire water system tubes to meet fire protection requirements.
 - Maintenance /Repair Facilities General production and maintenance facilities are set up in the factory area, and regular machine repair, electric repair, and instrument repair are set up to meet routine maintenance and repair. The middle and overhaul are considered by the foreign or external committee.
 - Warehouse Set up the necessary warehouses and stockyards in the plant to meet the necessary inventory needs.
 - Central Laboratory Set up a central laboratory, responsible for the analysis and testing of the whole plant and the analysis of raw materials and finished products. Configure the appropriate analytical laboratory instrument.



2	and petroleum storage) (including oil storage and transportation, in-plant process and heat pipe network and flare facilities)	4	52	5	57
3	Public works and auxiliary production facilities (including general substations, substations, circulating water yards, sewage treatment centers, central laboratories, self-provided power stations, etc.)	4	64	12	76
4	3 Repairs (mechanical, electrical, instrumentation)	4	16	3	19
No	Department	Shifts	No Of People	Technical And Management Staff	Total Capacity
	Management				68
	Among them: Factory Leaders				5
	Factory Dispatch Room	4	8	2	10
5	Equipment Division				14
	Production Department				22
	Public Engineering Unit				12
	Factory Office	V Batuck			5
6	Pier	retrov			60
7	Total				500

OUR MAIN PRODUCT

Main product specifications

This project mainly produces automobile fuels such as gasoline and diesel, and also produces products such as liquefied gas, propylene, benzene, and sulfur. Gasoline products are divided into domestic sales and export. The quality of gasoline exported is considered to meet the European V emission standards. The quality of gasoline sold domestically is considered to meet the China V standard. The brand of gasoline products is considered 89 #: 92 #: 95 #. Diesel products are divided into two categories: automotive diesel and ordinary diesel. Automotive diesel is considered to meet the European V standard, and ordinary diesel is considered to meet the Chinese standard (GB 252-2011). Other product standards are implemented in accordance with current Chinese national standards.

ENVIRONMENTAL IMPACT ASSESSMENT

Environmental Impact Assessment (EIA) report is to provide a description of the Environmental Impacts of an activity and the measures required to prevent, mitigate or abate the environmental impacts or to protect the environment.

The works that will be involved are:

- 1) Bathymetry Study to accommodate the alignment of the Jetty and Pipeline.
- 2) Marine Ecology Study and Marine Traffic Risk Assessment.
- Environmental Impact Assessment (EIA) report for:
 - a) Dredging Activities and: b) Construction and Implementation of the Refinery and Storage Tank



PROJECT REQUIREMENT

Jetty Facilities	 2 Berth (complete with piping and pump system) requires a sea depth of above 14 meters can only accommodate vessels up to 50,000 tons 	
Single Buoy Moring (SBM)	 To accommodate big vessels (supertanker) - 80,000 tons and about requires a sea depth of above 20 meters 	ove
Shipment In Shipment Out	 10,000,000 tons/year (Minimum - Daily 1 shipment) 8,000,000 tons/year (Minimum - Daily 2 shipment) 	
Environmental Protection	 Design according to the standard and International specifications Refinery Construction Standards as a Class "A" Plant. 	S

Whole Plant Capacity Workers - Above 1,000 People

MASTER PLAN APPROVAL STAGES BY THE SABAH, MALAYSIAN GOVERNMENT

PETROVENTURE



TO SUBMIT AND MAKE PRESENTATION OF THE DETAIL PROJECT PROPOSAL, DRAFT PLANT DESIGN AND CONCEPTUAL PLAN DESIGN OF THE PROJECT TO THE GOVERNMENT THROUGH PETROVENTURE



SUBLEASE AGREEMENT ON THE SOGIP LAND BETWEEN PETROVENTURE AND THE GOVERNMENT (SOGDC)



PETROVENTURE TO SUBMIT PETROLEUM OIL
STORAGE & REFINERY DETAILS PLANT DESIGN FOR
LOCAL AUTHORITY DEVELOPMENT APPROVAL



LOCAL AUTHORITY ENDORSEMENT



DONE

ON PROCESS









THANK YOU
TERIMA KASIH
KOTOHUADAAN