





## A smooth sea never made a skillful mariner

Seven Offshore group of companies is a world-class offshore marine Infra and Service Provider and leading national Oil and Gas Support Services group of companies serving the Production Sharing Companies operating in Indonesia.

Combining industry expertise, skilled workforce and sophisticated vessels, "Seven Offshore" provides a wide range of logistical support services throughout the entire offshore oil and gas life cycle, from anchor handling and platform support to vessels for accommodation to ferrying of supply. We deliver integrated service and solutions, backed by our fleet of active vessels available for charter and operation off Indian and Pacific Ocean in Indonesia.

Also, our focus is not only on reliable solutions and services, but sustainable and responsible ones too. By embracing sustainable and sound business practices and processes, we can ensure continued progress as a more sustainable business entity.



BIZ INFRASTRUCTURE

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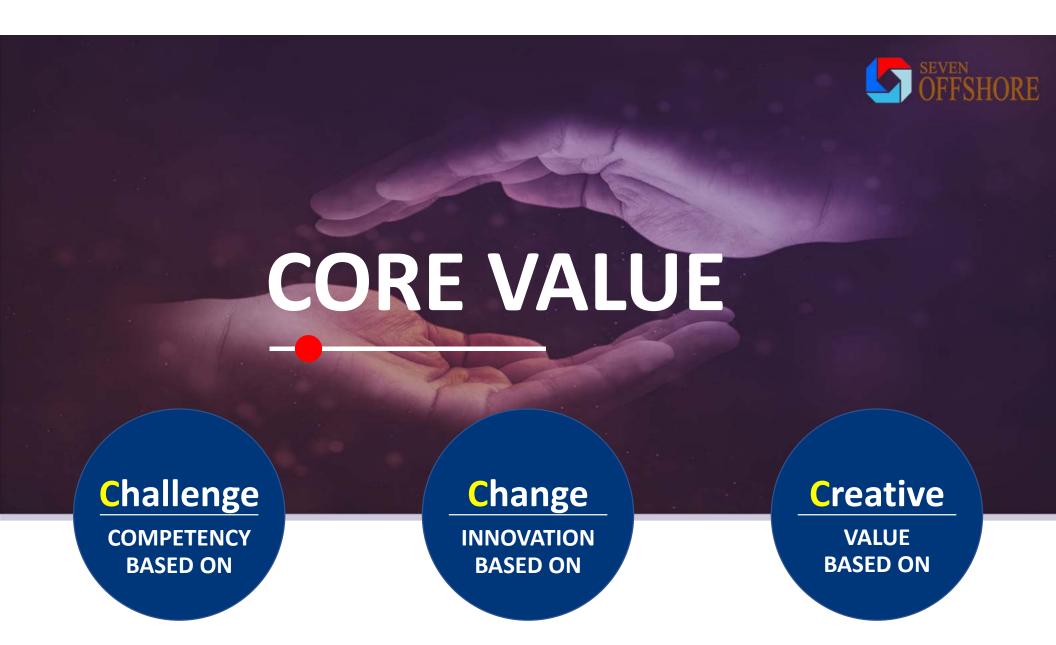






## **COMPANY INTRODUCTION**

- Management Philosophy
- Business Area
- Affiliated Company
- Our Clients and People
- Certifications and Awards

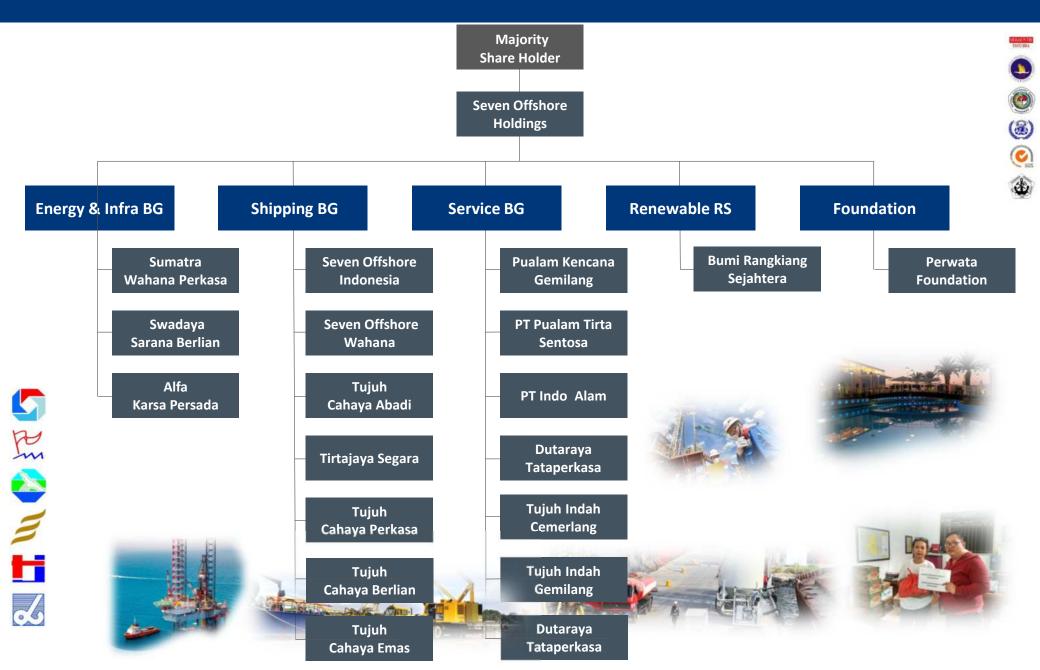


**Beyond the Marine, Beyond Innovation!** 



## **AFFILIATED COMPANY**





## **OUR CLIENTS**



Seven Offshore group of companies provide a wide range of logistical support services throughout the entire marine and offshore oil and gas life-cycle.

























**UNOCAL Indonesia** 





















**BP Indonesia** 



**Cahaya Buana Group** 



**Harbour Energy** 



**TOTAL E&P Indonesia** 



**Schlumberger Limited** 



**Premier Oil** 



**Chevron Pacific Indonesia** 



Medco E & P Natuna Ltd.



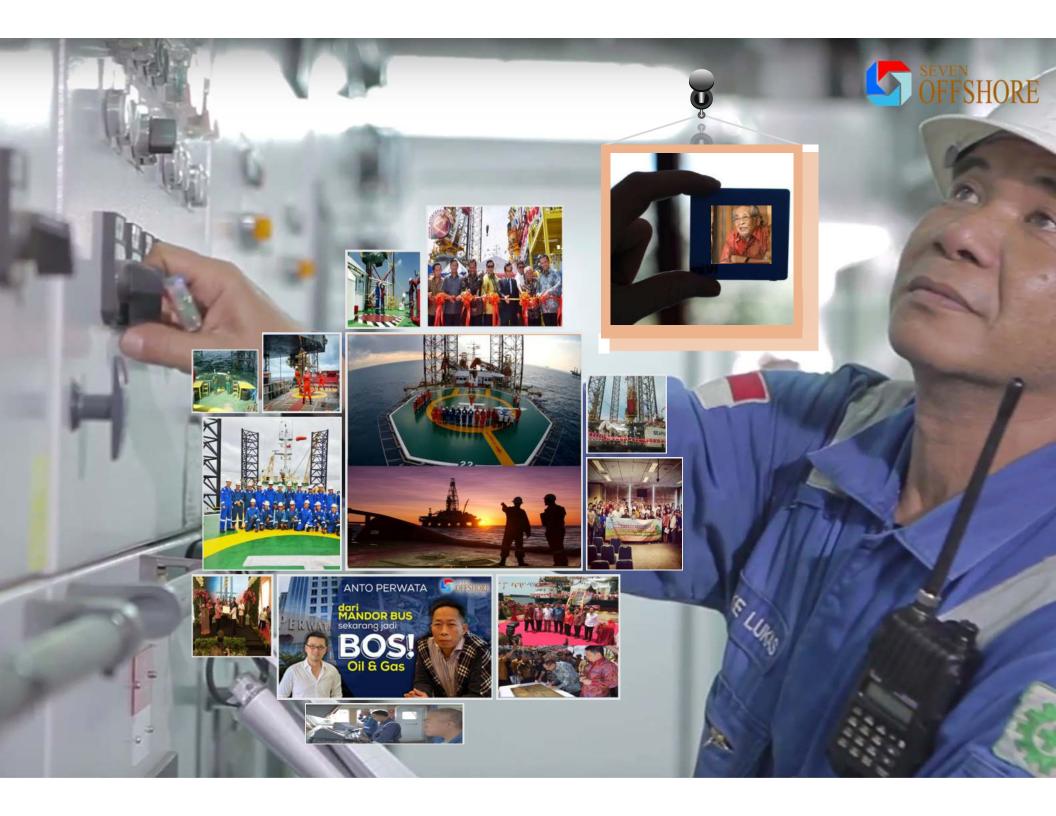
PC Ketapang II Ltd.



# OUR PEOPLES

Life's roughest storms prove the strength of our anchors. "When all seems to be against you, remember, a ship sometimes has to sail against the current, not with it."

Being in an industry where aptitude and responsibility are paramount, our people work closely with clients to provide innovative solutions for better, faster and sustainable results.







Certificate Membership INSA



Certificate of Ordinary Member **Kadin Indonesia** 



**PQ-CSMS** Certificate KEI



**VHSE- MS Certification HCML** 



**EJSCMCF SPDA** 



PQ-SMK3LH **MEDCO ENERGI** 



**SANXII SPDA** 



PQ-SMK3LH **MEDCO ENERGI** 



**PGM SAKA** 

HSE PQ



PERTAMINA No. PHE-01/IX/2018/280 PT. SUMATHA WAHANA PERKASA

**SKTPM CSMS** SKT **TOTAL E&P PERTAMINA** ENI































VHSE- MS Certification **CNOOC SES LTD** 



Safety Certificate **CONOCO PHILIPS INDONESIA** 



Penghargaan Pelanggan Terbaik Tahun **KBN** 



VHSE- MS Certification **CNOOC SES LTD** 



Hi-Plus Safety Reward **BP INDONESIA** 



**Contractor Safety Award BP INDONESIA** 



**Quarterly Contractor Management CONOCO PHILIPS INDONESIA** 



Penghargaan Pelanggan Terbaik Tahun KBN





Environmental System Certification **DNV-GL ISO 14001** 



Quality System Certification **DNV-GL ISO 9001** 



Environmental System Certification SGS ISO 14001



Quality System Certification SGS ISO 9001



KINERJA EXCELLENCE PERTAMINA



GOLD CATAGORY KINERJA EXCELLENCE **PERTAMINA** 



HIPLUS AWARD
BP INDONESIA



UPSTREAM BU WELL SERVICES
BP INDONESIA



WELL SERVICES

ATLANTIC RICHFIELD INNI BU



HIPLUS AWARD

BP INDONESIA



PHE ONWJ SAFETY AWARD
PERTAMINA



PENGHARGAAN KECELAKAAN NIHIL
PERTAMINA





Certificate Membership **INSA** 



Penghargaan Pelanggan Terbaik Tahun **KBN** 



Successful BP West Java TAR **BP MIGAS** 



**QHSE Performance Award** CNOOC SES LTD



Zero Accident **CONOCO PHILIPS INDONESIA** 



**QHSE Performance Award** SKK MIGAS & CNOOC SES LTD



**QHSE Performance Award BP MIGAS & CNOOC SES LTD** 



**QHSE Performance Award CNOOC SES LTD** 





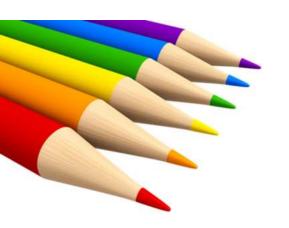


















## **BIZ INFRASTRUCTURE**

- Our Logistics Shorebase
- Innovative Offshore Infrastructure
- Main and Core Infrastructure
- Business Support and Service



Alfa Marunda Logistic Base (AMLB) with a wide range of facilities and modern equipment, infra and provides support services to the oil and gas exploration industry.

In line with this business, PT ALFA KARSA PERSADA own necessary asset such as well maintained warehouse, fast jetty, crane and also other supporting facilities: forklift, operational trucks, generator, and compressor.

## **INNOVATIVE OFFSHORE INFRA**



We will build an Offshore Marine business infrastructure optimized by continuous technological innovation and global standards and create value that grows with our customers.















## **CORE INFRASTRUCTURE: FLEET**



## **Consortium Partner of Borr Drilling**







### Lisa A

1977 Jack Up Rig, 325ft Main Boom, 1000 m Deck Space, 52.35m Leg Length, 4 Point Mooring, 40 pax Accommodation



### Gunnlod

2018 Jack Up Rig, 120ft Main Boom, 400ft Operating Water Dept, 532ft Leg Length, 30,000ft max Drilling Depth, 4 Point Mooring, 150 pax Accommodation



### Mist

2013 Jack Up Rig, 130ft Main Boom, 350ft Operating Water Dept, 486ft Leg Length, 35,000ft max Drilling Depth, 4 Point Mooring, 150 pax Accommodation



### Thor

2019 Jack Up Rig, 38.1m Main Boom, 400ft Operating Water Dept, 517ft Leg Length, 35,000ft max Drilling Depth, 4 Point Mooring, 150 pax Accommodation



### Groa

2018 Jack Up Rig, 120ft Main Boom, 400ft Operating Water Dept, 532ft Leg Length, 30,000ft max Drilling Depth, 4 Point Mooring, 150 pax Accommodation



### Gyme

2018 Jack Up Rig, 120ft Main Boom, 400ft Operating Water Dept, 532ft Leg Length, 30,000ft max Drilling Depth, 4 Point Mooring, 150 pax Accommodation



### Njord

2019 Jack Up Rig, 120ft Main Boom, 400ft Operating Water Dept, 532ft Leg Length, 30,000ft max Drilling Depth, 4 Point Mooring,150 pax Accommodation



### Skald

2020 Jack Up Rig, 130ft Main Boom, 400ft Operating Water Dept, 517ft Leg Length, 35,000ft max Drilling Depth, 4 Point Mooring, 150 pax Accommodation



### Idun

2013 Jack Up Rig, 130ft Main Boom, 350ft Operating Water Dept, 486ft Leg Length, 35,000ft max Drilling Depth, 4 Point Mooring, 150 pax Accommodation



### Gerd

2018 Jack Up Rig, 120ft Main Boom, 400ft Operating Water Dept, 532ft Leg Length, 30,000ft max Drilling Depth, 4 Point Mooring, 150 pax Accommodation

## CORE INFRASTRUCTURE: VESSELS & JU RIGS TENTONE



## **Consortium Partner of Borr Drilling**







### **Prospector 1**

2013 Jack Up Rig, 120ft Main Boom, 400ft Operating Water Dept, 547ft Leg Length, 35,000ft max Drilling Depth, 4 Point Mooring, 140 pax Accommodation



### Hild

2020 Jack Up Rig, 120ft Main Boom, 400ft Operating Water Dept, 514ft Leg Length, 35,000ft max Drilling Depth, 4 Point Mooring, 150 pax Accommodation



### **Crest Onyx**

AHTS 5150 HP, DP1,66. 7T BP, FiFi Class 1, Deck Area 350m<sup>2</sup>



### Sam Prosper 1

Utility Boat 2400 HP, 50T BP, FiFi Class 1/2,,Deck Area 120 m<sup>2</sup>



### **Pacific Bronze**

AHTS 8000 HP, DP2, 115T BP, FiFi Class 1, Deck Area 468 m<sup>2</sup>



### **Naomi Sunbrights**

AHTS 5250 HP, DP1, 70T BP, FiFi Class 1, Deck Area 390 m<sup>2</sup>



### Jessica Brilliant

Crew Boat 2200 HP, 24 knots, Passenger 50 pax, Deck Area 50m<sup>2</sup>



### **FSO**

Floating Storage and Offloading Vessel













## 



















### **SEAPUP 1**

Build 1993, ABS & BKI, 5000 sq ft Deck Space, 4 legs, LOA 234 ft, Berth 62 PAX, 70 Tons @80 ft Crane, Main Power 400Kw, 400Kw Genset, 17m x 17m Helicopter Deck S-76 or **Bell 412** 



### **SEAPUP 2**

Build 2015, ABS, 9000 sq ft Deck Space, 4 legs, LOA 310 ft, Berth 79 PAX, 70 Tons @100 ft Crane, Main Power 1343 Kw, 400Kw Genset, 22m x 22m Helicopter Deck Sikorsky S61N



### **SEAPUP 3**

Build 2017, ABS, 9000 sq ft Deck Space, 4 legs, LOA 310 ft, Berth 100 PAX, 70 Tons @120 ft Crane, Main Power 1343 Kw, 400Kw Genset, 500HP BT, 22m x 22m Helicopter Deck Sikorsky **S61N** 

## **CORE INFRASTRUCTURE: MIS – ABS NS5**



Fleet managers can use ABS NS 5 to support their **NS** ENTERPRISE efficient ship operations, including vessel maintenance and drydocking scheduling. X ABS NS5 – Vessel Maintenance System (ver. 6.4.3)

## **CORE INFRASTRUCTURE: MIS - iSeven**

Seven Software 1.1.2.9 [DTP]



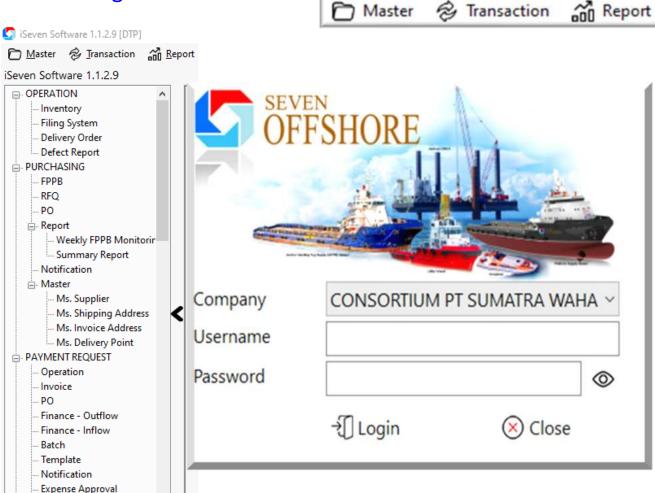
## iSeven Integrated Software

Payment Approval

(X) Close

Invoice Approval
Memorial Journal Approva

∏ → Log Out





Window Window

⟨ô⟩ Settings

















With sophisticated drilling capabilities, our rigs can perform offline activities while drilling and be jacked up with full pre-loading tanks.

The helipad facilities makes our marine base facilities the most complete and the most ready to provide the marine base operation in the modern are of marine base and logistic operation. This facility serve the tenants for their crew change operations, top management site visits, and emergency usage. Our helipad has been certified and approved by the Department of Communication.









### Vessels

We provide integrated services, backed by our fleet of Offshore Marine Vessels, FSO, Fast Crew Boat and jack-up drilling rigs for charter and operation in waters off Indonesia.







### **Jetty Facilities**

Our Jetty Facilities is 300 meters with a draft of six meters at low tide (LWS). The jetty is fully service with fuel and freshwater. Silo tanks along the waterfront provide a ready supply of drilling mud and cement. Vessels calling at the base include oil rings, supply vessels, barges and coastal vessels. Loading and unloading of cargo can be done simultaneously while fuel, water, drilling mud and cement are delivered, thereby enabling a quicker turnaround of vessels. our jetty is also used to provide a crew change operation complete with waiting facility.











### **Cargo and Trucking**

Transportation of cargo can be provided at tenant's request. Our trucks and trailers are equipped to transport general lose cargo as well as 20 feet and 40 feet containers. Our trucks and trailers cover most of the big cities in the Java Island. Our drivers have been the most courteous and high conscious of safety.

Our loading and unloading area is specifically for a safe and convenience operation with a triangle shape on a 7,000 m<sup>3</sup> of land provide enough space for loading and unloading large cargo and containers and also for easy maneuvering for trucks, trailers and other vehicular equipment. Cargo handling and loading / unloading services are available including a full range of cranes, forklifts, trucks, supervisors and skilled workers. These services are available 24 hours a day and 7 days a week throughout the years to provide a convenience and undisturbed tenant's operation.

### Warehouse

The AMLB has 21 hectares of land, of which 7 hectares are available for open storage and pipe racks. On the rest of the land, we have built warehouses and workshops to designed specifically to suit tenant's needs. At the moment we have 28 warehouses and workshops each with different purposes and specifications.



















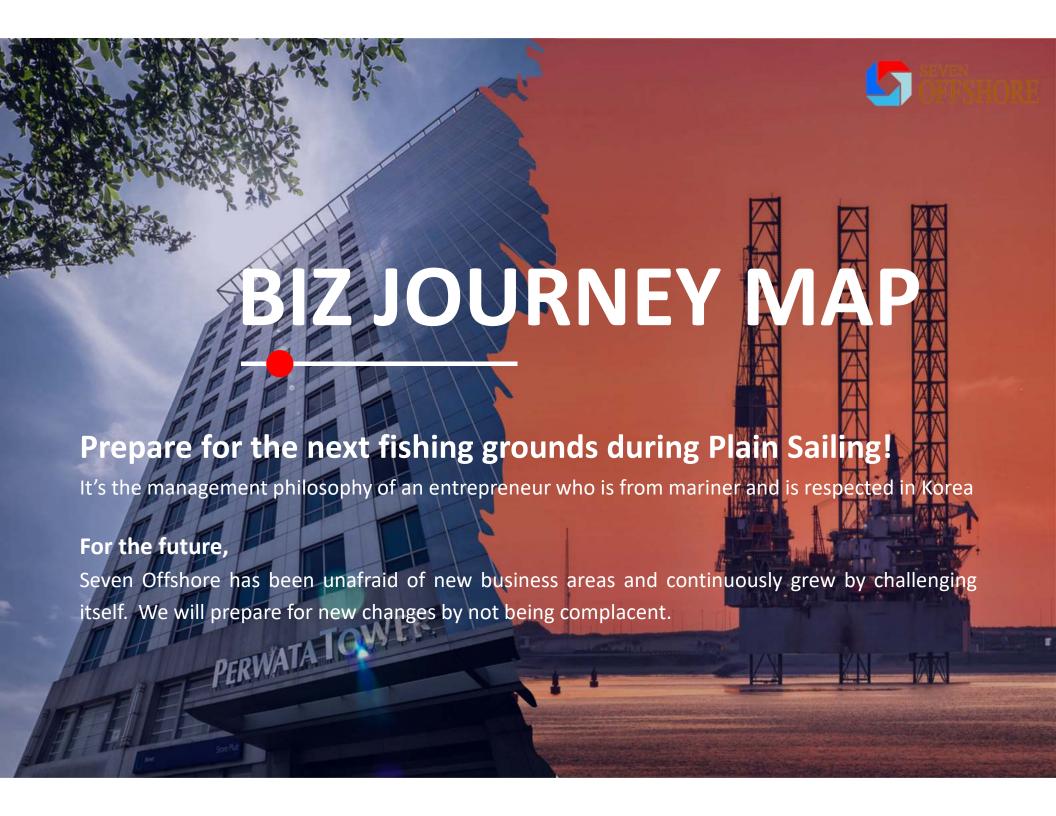






## **OUR BUSINESS STRONGHOLD**

- Business Journey Map
- Our Business Foothold and Project Site
- Property Development
- Hotel & Resort
- Hotel Perwata Project





## **PROPERTY DEVELOPMENT**



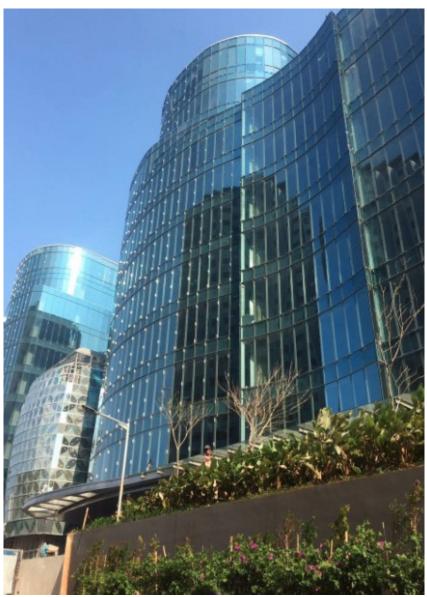


## **PROPERTY DEVELOPMENT**









💥 Location: Perwata Tower 🎹, Brand New Office Tower Building at Landmark Pluit, Jakarta Utara, INDONESIA

## **HOTEL & RESORT – INDO ALAM**

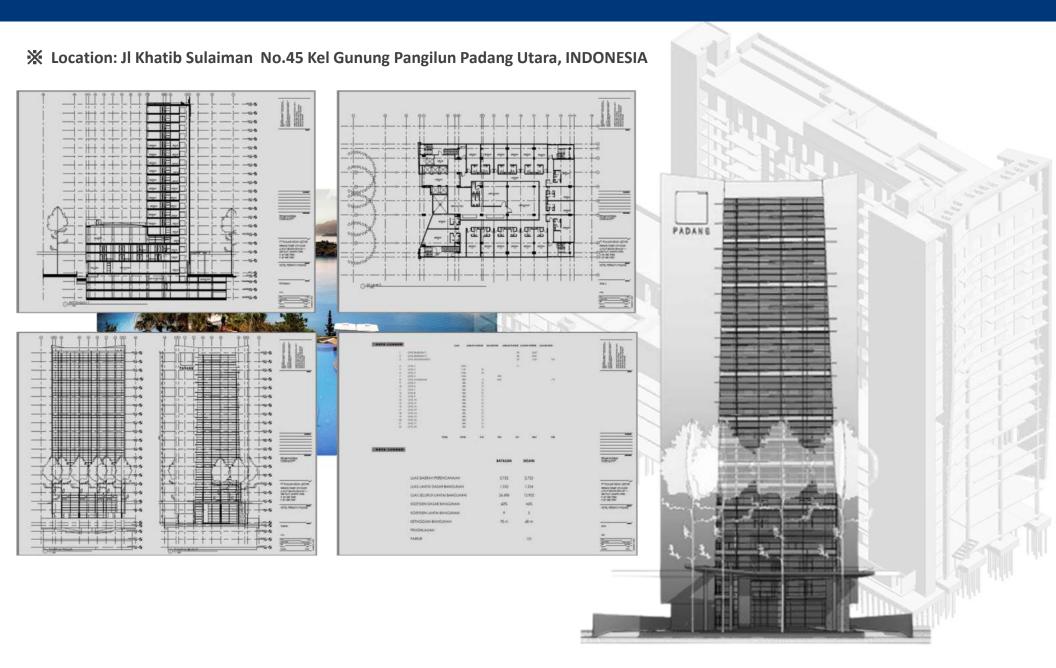




💥 Location: Jalan Raya Cipanas, Sindang Laya, Cipanas, Puncak, West Java, 43253 INDONESIA

## **HOTEL PERWATA PROJECT**









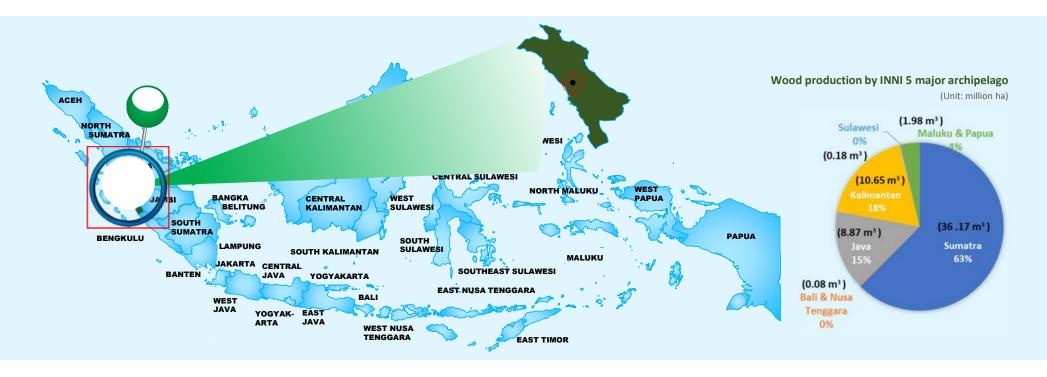




## **NEW BIZ PROJECT**

- Introduction to Plantations
- Forest Biomass Site Information
- Forest Status for Biomass
- Permit





### Introduction to Plantations

Division	Details	Forest area	Our Forest	
Production Forest		Limited production forest	26,770,000	
	A forest whose main function is wood production using forest resources. (Subtotal: 68,830,000)	Permanent production forest	29,220,000	•
		Conversion production forest	12,840,000	
Protection Forest	Forests whose main functions are continuous life support systems such as flood prevention, water supply, erosion control, prevention of seawater intrusion, promotion of soil function, etc.		29,580,000	
Conservation Forest	A forest whose main functions include protecting the diversity of plants and wild animals and protecting the ecosystem.		22,090,000	

## FOREST BIOMASS SITE INFORMATION



### Company Profile

Division	<b>Details</b>
Company and Afforestation Holder	PT. BUMI RANGKIANG SEJAHTERA
Year of establishment	December 29, 2020
Register No.	AHU-0000336.AH.01.01.TAHUN 2021
Address and HQ location	Perwata Tower, Jl. Raya Pluit Selatan, North Jakarta 14440
Business category	Industry Forestry, Industrial forest logging and sales
Business License	Decree of the Ministry of Forestry concerning of the Grand Timber Product Utilization Permit for Industrial Forest Plant (IUPHHK-HTI: Wood Product)
Afforestation rights period	Februari 2021 to Februari 2051 (30 years)
Site area	38,900 Hectares
Place of business registration	Jakarta (Founded in December 2020)
Main Shareholder	100% owned by PT. BUMI RANGKIANG SEJAHTERA
Assets	Timber (ready to harvest) located at Base Camp

<sup>💥</sup> Current assets consist of planting costs and do not reflect the market value of timber

### Advantage of Our Plantation Site

NO	Details Details
1	■ Immediate Producing Raw Wood with 30 years Plantation (Existing Wood quantity : 64,000 MTA Logging, 38,400 MTA Sawmill, 30,700 MTA Wood Working)
2	Securing long-term stable raw material (Remained period of afforestation holder: over 30 years till Year 2051)
3	<ul> <li>The best site and optimized location conditions for cost competitiveness (The rapid growth of trees by the tropical climate located under the equator</li> <li>The competitive logistics costs by barge transportation through river)</li> </ul>

















## FOREST BIOMASS SITE INFORMATION



Executive Summary

**Project Name:** Wood Processing Factory (Sawmill, Wood Working, Wood Charcoal Briquette and Wood Pellet

Project Owner: PT. Bumi Rangkiang Sejahtera (BRS) Group

Location: Kabupaten Solok & Solok Selatan, West Sumatra Province

**Area:** 38,900 Ha













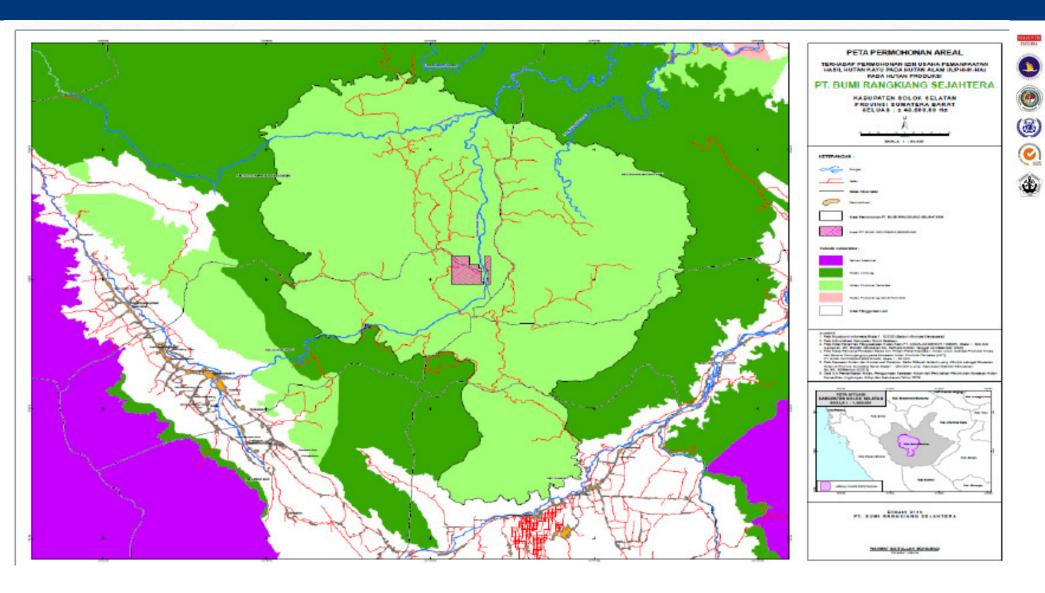






## **FOREST STATUS FOR BIOMAS**





## **PERMIT**



### Recommendation from Governor Province West Sumatra



### PEMERINTAH PROVINSI SUMATERA BARAT DINAS PENANAMAN MODAL DAN PELAYANAN TERPADU SATU PINTU

J. Setta Budi No. 15, PADANG Telp.0751-011341, 011343 Fax 0751-011342 http://dpmptsp.sumparprov.go.id

Lampiran : 1 (satu) lembar

: Rekomendad IUPHHK-HA

An. PT. Burni Rangkiang Sejahtera

: 570/285 -Periz/DPM&PTSP/II/2021

Padang, 10 Februari 2021

Ibu Menteri lingkungan Hidup dan

Kehutanan R

Schubungen dengen ausst Pimpinen PT. Burni Renckieng Sciehtere No. 001/SRG/BRS/I-2021 tanggal 12 Januari 2021 perihal Permohonan Rekomendasi Gubernur Izin Usaha Pemantastan Hacil Hutan Kayu dalam Hutan Alam pada Hutan Produksi atas nama PT. Bumi Rangklang Sejahtera celuat ‡ 43.591 Ha di Kabupaten Solok Provinci Sumatera Barat dan turat Kepala Dinas Kehutanan Provinsi Sumatera Barat Nomor: 522.1/393/PRPH-2021 tanggal 8 Februari 2021 tentang Pertimbangan Teknis, kami sampaikan hal-hal sebagai berikut:

- 1. Mempedomari Peraturan Menteri Lingkungan Hidup dan Kehutanan Nomor : P.28/Menihk/Setjen/Kum.1/7/2018 jo Nomor P.19/Menihk/Setjen/Kum.1/4/2019 tentang Tota Cora Pemberian, Periuacan Areal Kerja dan Perpanjangan bin Ukaha Pemanfaatan Hazil Hutan Kayu Dalam Hutan Alam dan Uzaha Pemanfastan Hazil Hutan Kayu Restorazi Bussistem etau Izin Usaha Permarfaatan Hasil Hutan Kayu Hutan Tanaman Industri pada Hutan Produksi, bahwa informasi tentang tata ruang wilayah provinsi atas areal yang dimohon sesuai dengn Peta Lampiran Keputusan Menteri Lingkungan Hidup dan Kehutanan Nomor: SK.10199/MenLHK-PHPL/KPHP/HPL.0/12/2019 tanggal 16 December 2019 tentang Peta Indikatif Arahan Pemanfaatan Hutan Produksi Tahun 2020 Skala 1:250.000 merupakan areal, yang termasuk dalam Blok Tata Hutan pada KPH untuk Pemanfaatan Hazil Hutan Kayu pada Hutan Alam, dan Blok Pemberdayaan Masyarakat serta tidak terdapat keberadaan masyarakat setempat yang berada di dalam areal yang dimohon.
- 2. Mempedomani Peta Penunjukan Kawasan Hutan Provinsi Sumatera Barat Skala 1:250.000 (lampiran SK Menteri Kebutanan dan Perkebunan Nomer 422/Kpts/1999 tanggal 15 Juni 1999 sebagaimana telah beberapa kali diabah, terakhir dengan Keputuran Menteri Kehutanan Nomor SK.55/Menhut-II/2015 tanggal 15 Januari 2015) zerta Peta Perkembangan Pengukuhan Kawasan Hutan Provinsi Sumatera Barat Sampai Dengan Tahun 2017 (lampiran Keputusan Menteri Lingkungan Hidup dan Kehutanan Nomor: SK.8089/MENLHK-PKTL/KUH/PLA.2/11/2018 tenecal 23 November 2018), areal vane dimohon berada pada kawasan Hutan Produksi Terbatas (HPT).
- 3. Memperhatikan Peta lampiran Keputusan Menteri Lingkungan Hidup dan Kehutanan Nomor SK.4945/MENLHK-PKTL/IPSDH/PLA.1/8/2020 tanggal 26 Agustus 2020 tentang Penetapan Peta Indikatif Penghentian Pemberian Izin Baru Hutan Alam Primer dan Lahan Gambut Tahun 2020 Periode II Skala II : 250,000, areal permohonan IUPHHK-HA tidak berada di dalam lareal Peta Indikatif Penghentian Pemberian Izin Baru (PIPPIB).

- Bahwa cebagian becar areal yang dimohon merupakan areal eks IUPHHK-HA PT.Andalas Merapi Timber yang telah berakhir cebagaimana Keputucan Menteri Lingkungan Hidup dan Kehutaran Nomor: SK.19/Menlhk/Setjen/HPL.0/1/2021 tanggal 20 Januari 2021 tentang Berakhimya IUPHHK-HA PT Andalas Merapi Timber Atas Areal Hutan Produksi Seluas ± 28.840 He di Provinsi Sumetere Beret.
- 5. Berdasarkan data Perhutanan Sosial Provinsi Sumatera Barat, diketahui bahwa pada areal permohonan IUPHHK-HA tersebut terdapat 6 (enam) unit Izin Perhutanan Social yang telah mendapatkan Keputucan Keputucan Gubernur Sumatera Barat celuac 14.215,22 Ha.
- 6. Pada arcal yang dimohonkan terdapat lain Pinjam Pakai Kawasan Hutan (IPPKH) untuk kegiatan pertambangan Emas An. PT. Bumi Indonesia Bersinar, sesuai dengan Keputusan Menteri Lingkungan Hidup dan Kehutanan Nomor: SK.895/Menlhk/Setjetl/PLA.0/10/2019 tanggal 18 Oktober 2019 tentang Izin Pinjam Pakai Kawasan Hutan untuk Kegiatan Operasi Produksi Emas dan Sarana Penunjangnya Atas Nama PT. Bumi Indonesia Bersinar Seluas 1 548,62 Ha (Tiga Ratus Empat Puluh Delapan dan Enam Puluh Dua Perceratus Hektare) pada Kawazan Hutan Produkzi Terbataz di Kabupaten Solok Selatan, Provinzi Sumatera
- 7. Rekomendasi Gubernur Sumatera Barat untuk kegiatan pertambangan galena atas nama PT. Solok Mccah Perkasa, sesuai surat Kepala Dinas Penanaman Modal dan Pelayanan Terpadu Satu Pintu Provinci Sumatera Barat a.n. Gubernur Sumatera Barat Nomor : 522.1/95-Periz/DPM&PTSP/IX/2019 tanggal 25 September 2019 perihai Rekomendaci Pinjam Pakai Kawatan Hutan An. PT. Solok Megah Perkata, teluat 1 195 Ha.
- 8. Mempertimbangkan uraian tersebut di atas, terhadas permohonan PT. Bumi Rangkiang Seighters dapat direkomendazikan untuk prozez zelanjutnya zebagai areal kin Uzaha Pemanfaatan Hasil Hutan Kayu pada Hutan Alam (IUPHHK-HA), sesuai dengan peraturan dan perundang-undangan yang berlaku.

Demikianlah kami sampaikan, atas perhatian dan perkenan Ibu Menteri terlebih dahulu kami ucapkan terima kasih.

> An GUBERNUR SUMATERA BARAT Kepala Dinas Penanaman Modal dan Pelevanan Tercadu Satu Pintu

Discribinger Strate Ethiopis Col. KEPALA DISCR PERSONALIN MODAL DAN PELAYANAN TERPAGU SATUPINTU PREVINSI SUMUTERU BARAF

MASNAR DEDL ARM SI NIP. 197490181892111001



Tembusan, disampaikan kepada yth:

- Sekretara Janderal Kernerterian Lingkungan Hitup dan Kehidanan di Jakarta;
   Sek Dinahtur Janderal Perantingi Kehidanan dan Tata Lingkungan di Jakarta;
   Sek Dinahtur Janderal Perantingi Kehidanan dan Tata Lingkungan di Jakarta;
   Sek Dinahtur Janderal Bina Usaha Kehidanan di Jakarta;
   Sek Bigell Sekid Kelalanan di Baytana.

- Sdr. Bupeti Solok Seleten di Pedeng Arc. Sdr. Kepala Cinaa Kehutanan Provinsi Sumatera Barat; Sdr. Kepala Cinaa Lingkungan Hidup Provinsi Sumatera



























## **CONTACT US**

## www.sevenoffshore.net

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- (62-21) 300-27-555, 300-27-507 (62-21) 666-72-592, 293-88-085, 293-88-086 (62-21) 300-27-500 FAX
- □ anto@perwata.com: Seven Offshore Holdings, Executive Director
- aperwata@pualams.com: Sumatra Wahana Perkasa, COO
- paul@pualams.com: Business Development
- genta@pualams.com Business Development



# **Appendix**

## **Global Forest Resources Development**



As of June 2023, there are a total of 14 countries and 42 companies (total: 529,934 ha), of which 17 Korean companies entered Indonesia and developed and invested in afforestation-related areas in 188,759 ha.



## **Wood Pellet Imports by Country**



(Units: Ton)

Year	Vietnam	Russia	Indonesia	Malaysia	Canada	Etc.	Sum
2012	30,000	42,000	90,000,	31,000	3,000	8,000	122,000
2013	157,000	77,000	34,000	78,000,	80,000	59,000	485,000
2014	743,000	35,000	63,000	168,000	344,000	497,000	1,850,000
2015	1,023,000	84,000	60,000	154,000	88,000	62,000	1,471,000
2016	1,255,000	126,000	76,000	199,000	35,000	25,000	1,717,000
2017	1,516,000	128,000	120,000	405,000	152,000	111,000	2,431,000
2018	2,187,000	70,000,	222,000	586,000	41,000	340,000	3,445,000
2019	1,941,000	99,000	239,000	520,000	11,000	191,000	3,002,000
2020	1,912,000	165,000	303,000	508,000	52,000	64,000	3,004,000
2021	2,102,000	167,000	315,000	406,000	329,000	39,000	3,357,000
2022	2,201,000	453,000	416,000	400,000	346,000	102,000	3,917,000

<sup>\*\*</sup> Source: Korea Customs Service, import and export trade statistics, https://unipass.customs.go.kr/ets (August 24, 2023)

## Fuel input and power generation of biomass power generation in Korea

(Units: Ton)

Division	2015	2016	2017	2018	2019	2020	2021	2022
Fuel Input	4,535,000	5,488,000	3,733,000	4,824,000	5,159,000	5,210,000	6,203,000	6,933,000
Power Generation(GWh)	3,290	3,825	5,117	6,495	6,495	6,811	8,204	8,969

## Major Biomass Power Plants in Korea



## 100% biomass-based power generation

Company Name	Division	Plant Name	Capacity	Operation	Where to buy wood pellets	Target
KOEN (KEPCO power generation subsidiary)	Public	Yeongdong Eco PG Units 1 and 2	325 MW	2017-2020	From private company bid	•
GS EPS	Private	Dangjin Biomass Units 1 and 2	205 MW	2015-2020	Affiliate Purchase	
SGC Energy	Private	SGC Green Power, 60MW PP	160 MW	2017-2021	From private companies	
CGN Daesan	Private	-	100 MW	2021	From private companies	
LX (formerly, LG) International	Private	Poseung Green Power	43.2 MW	2017	Affiliate Purchase	•
Seokmun Energy	Private	-	38.9 MW	2016	From private companies	
JEONJU ONEPOWER	Private	JEONJU Power Biomass Units 2	32.4 MW	2016	From private companies	
EWP (KEPCO power generation subsidiary)	Public	Donghae Bio Power Generation	30 MW	2013	From private company bid	•
West Sea Cogeneration	Private	-	24.9 MW	2021	From private companies	
JEONJU Paper	Private	-	15 MW	2013	From private companies	
M-Haman	Private	-	9.9 MW	2020	From private companies	
Sang-Gong Energy	Private	-	9.8 MW	2012	From private companies	
SUN&L	Private	-	16.1 MW	2017-2019	From private companies	
EAGON ENERGY	Private	-	8.1MW	2015	Captive Market	•
SDE Energy	Private	-	6.4 MW	2007	From private companies	
ENPROTECH	Private	-	5 MW	2019	From private companies	
Sejong Green Power	Private	-	5 MW	2016	From private companies	

## **Major Biomass Power Plants in Korea**



### **Co-fired Power Plants**

Company Name	Division	Plant Name	Capacity	Mixed Rate	Where to buy wood pellets	Target
KOMIPO (KEPCO power generation subsidiary)	Public	Boryeong PG Units 1 -8	3,050 MW	1.2-5%	From private company bid	•
		Yeongheung PG Units 1 -4	5,080 MW	5%		
KOEN (KEPCO power generation subsidiary)	Public	Samcheonpo PG Units 1 -4	2,120 MW	5%	From private company bid	•
		Yeosu PG Units 1 -4	328.6 MW	5%		
VOSDO (VEDCO nower generation subsidiary)	Public	Hadong Termal Power Complex	4,000 MW	2.5-5%	From private company hid	
KOSPO (KEPCO power generation subsidiary)	Fublic	Samcheok Thermal Power	2,044 MW	5%	From private company bid	
FWD (VEDCO newer generation subsidies )		Dangjin Coal-Fired Power Complex	5,860 MW	4%	From private company hid	
EWP (KEPCO power generation subsidiary)	Public	Donghae CFBC Power Plant	400 MW	10%	From private company bid	
WP (KEPCO power generation subsidiary)	Public	Taean Thermal Power	6,470 MW	3-8%	From private company bid	•

## List of Biomass-related Companies in Korea THE STATE OF THE STATE OF



### A Korean company engaged in overseas afforestation projects and importing wood pellets

Company Name	Biz Category	Sourcing Country	Clients	Target
Samsung C&T Corporation	Wood Pellet Trading Owns a Palm plantation in Indonesia	Indonesia, Vietnam	Public and Private Biomass Power Plants	
LX (formerly, LG) International	Wood Pellet Trading Owns a 24,000 ha Palm plantation in INNI	Vietnam, Malaysia, Indonesia, Russia, etc.	Captive and Public, Private Biomass Power Plants	•
GS Global	Wood Pellet Trading	Vietnam, Malaysia, Indonesia, Russia, etc.	Captive and Public, Private Biomass Power Plants	•
STX Corporation	Wood Pellet Trading Owns a Wood Pellet Factory in Malaysia	Vietnam, Malaysia, Indonesia, Russia, etc.	Public and Private Biomass Power Plants	•
G- Biotech	Wood Pellet Trading	Vietnam, Malaysia, Indonesia, Russia, etc.	Public and Private Biomass Power Plants	
Hanhwa Corp/Momentum	Owns 34,000 ha Forest, Cambodia Owns a Biomass Power Plant in Korea	Vietnam, Malaysia, Indonesia, Russia, etc.	Captive Markets Biomass Power Plants	
OCI SE	Wood Pellet Trading Owns a Biomass Power Plant, Korea	Vietnam, Malaysia, Indonesia, Russia, etc.	Captive Markets Biomass Power Plants	
INKONETWORKS	Owns 110,000 ha Forest, Indonesia Owns a Wood Pellet Factory, Indonesia	Vietnam, Malaysia, Indonesia, Russia, etc	Public and Private Biomass Power Plants	
T-Energy	Wood Pellet Trading  Log trade for biomass	Vietnam, Malaysia, Indonesia, Russia, etc.	Captive and Private Biomass Power Plants	•
Eco Energy One	Wood Pellet Trading	Vietnam, Malaysia, Indonesia, Russia, etc.	Captive and Private Biomass Power Plants	
SGC Energy	Wood Pellet Trading Owns a Biomass Power Plant, Korea	Vietnam, Malaysia, Indonesia, Russia, etc.	Captive Markets Biomass Power Plants	

## **Utilization Value of Unused Forest Biomass**



