

PT DHARMA SATYA NUSANTARA, TBK **DSNG** 

Sustainable Palm Oil Dialogue Brussels, May 2024



# ABOUT DSNG



CHALLENGES WITH

**OUR CAP JOURNEY** 

**RSPO INNOVATION** 

AWARD & BEYOND

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MEASURING our AMBITIONS

# 01 DSNG TODAY ABOUT DSNG

The Company operated its first **timber factory** in Samarinda, East Kalimantan, which produced sawn timber for export to Japan

The Company's wood production base moved from Kalimantan to Java. Established wood processing factory in **Temanggung** and wood processing plants in **Lumajang and Banyumas** 

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The Company expanded into the **palm oil** business in Muara Wahau Village in East Kalimantan.

Pioneered using **sengon wood (Albizia)** as raw material which is harvested from community Agroforesty farms

On June 14, 2013, the Company became a **public listed** company in Indonesia Stock Exchange with ticker code DSNG

The Company acquired two palm oil plantation company in East Kalimantan with total planted area 17K ha & 2 mills

On 23 April 2020, DSNG signed a loan facility of USD 30 million for 10 years from Stichting **Andgreen Fund** ("&Green"). The Company commits to comply to IFC PS, RSPO, and implement the NDPE and LPP

On 26 January 2023, DSNG signed a Sustainability linked loan facility of USD 15 million and Grant of USD 500K for technical assistance from **Asian Development Bank** (ADB)

PT Dharma Satya Nusantara Tbk (DSNG) was established on September 29, 1980.

# ABOUT DSNG PALM OIL SEGMENT

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As of December 2023, Total planted area of the company, including nucleus and plasma, reached 112.7 thousand hectares, with mature area of 105.7 thousand hectares



### PRODUCTION FACILITY





**1,2** <sup>MW</sup> Listrik **280** <sup>m<sup>3</sup>/hour</sup> **1** Bio-CNG Mill **1** J,7MW, **570** m<sup>3</sup>/jam

**126K** Storage Tank

### ±60.000 ha in One Contiguous Area

Our most developed cluster (±56%) in East Kalimantan is nearly the size of Singapore





100% RSPO Certified Target

NUCLEUS RSPO Certified 54.468 Ha Not yet certified 30.098 Ha

RACP approved in Dec 2023 & scheduled for 100% Certification Audit in 2024

PLASMA RSPO Certified 2.762 Ha Not yet certified 22.255 Ha

Target : 2025

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### 01 ABOUT DSNG

# OUR CAP JOURNEY



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# 02 OUR CAP JOURNEY GHG BASELINE & CLIMATE RISK AUDIT



"Climate Change is driven by greenhouse gas (GHG) emissions that act like a blanket wrapping around the Earth, trapping the sun's heat, raising temperatures and altering long-term weather patterns."

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### 2021 Climate Risk Audit

### **Physical Risk**



### **Transitional Risk**

Risk Year	POLICY & LAW			MARKET		TEC	H. RE	REPUTATION	
	Land use restrictions	Carbon tax	Biofuel	Consumer concern	Green Ioan	Renew ener	able Sh gy	Shareholder & NGO	
2030	-0.11	-0.11	0.15	-0,15	0.15	0.2	2	-0.15	
2050	-0.19	-0.36	0.20	-0.22	0.22	0.5	1	-0.22	
	High Opportunity	Medium Op	oportunity	Low Opportunity	Neutral Low Risk Med		Medium Risk	High Risk	

FLAG: Forest, Land and Agriculture (Land use change & land management) \*Exclude biogenic sequestration | Scope: Palm Oil only



### **Emission Reduction**







### CLIMATE ACTION PLAN SBU WOOD PRODUCT

### **Emission Reduction**









The 44% reduction of Total Emissions EXCLUDES any sequestration insetting

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01 ABOUT DSNG

# RSPO INNOVATION AWARD & BEYOND

CHALLENGES WITH MEASURING our AMBITIONS



### **O3** RSPO INNOVATION AWARD & BEYOND SEVERAL ON-GOING PROJECTS - ENERGY



**Energy Balance Roadmap** 

"I would like our business, starting from our palm operations to be **fully energy independent by 2028**" Andrianto Oetomo, 2022 Sustainability Report





Since 2020, we reduced the use of 6.12 million liters of diesel equivalent to a reduction of 18,198 tCO2e in GHG emissions

In 2024, we began mapping the overall energy supply and demand to ensure the optimum scenario on relying almost exclusively on in situ renewable energy and wherever commercially and technically viable, to be able to generate revenue from the sales our own energy sources.

### **Community Bio-CNG Trucks**

"Today, 100% or more than 1,000 **trucks** transporting that CPO or FFB **belong to communities** in and around our operations."





We successfully found a technology that was able **convert diesel engine trucks to use 100% Bio-CNG-fueled** at a reasonable cost, and replicate it for the community owned trucks"





Potential emission reduction 26 ton CO2eq / truck

In November 2023, we were honored to be the first to be awarded RSPO's Innovation Award

## RSPO INNOVATION AWARD & BEYOND SEVERAL ON-GOING PROJECTS - REGENARATION

D S N G R O U P

### **Regenerative Agriculture**

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3rd March 2023, was the first time we begun our replanting program for the group.



We consider replanting very seriously. Our 2<sup>nd</sup> chance to do things right. We start with data mining to determine the best areas to be replanted or reverted to tree islands and redesign our estates for mechanization. **Riparian buffers & Biodiversity corridors are paramount in this spatial planning.** 





We are building in Tree/Biodiversitty Islands in our Estates 50 ha for every 50k ha On top of existing HCVs & Conservation

### Natural Pollinator & Predator Study

We look at the risks posed to **beneficial insects**, which are important to the palm fruit creation process, but they are also vulnerable to climate change.



In collaboration with a palm oil research institution, we have commissioned a study to obtain **baseline data** of insect pollinator, predator, and pest during wet and dry season (in different areas). This will be the basis to **plan our adaptation strategy.** 

## RSPO INNOVATION AWARD & BEYOND SEVERAL ON-GOING PROJECTS - WASTE



### Zero Landfill Domestic Waste

In 2024, we began planning an integrated municipal waste management facility that is **economically circular**, **community replicable**, with the objective of zero waste.



Along with promoting 3R behavior, we have started a pilot plan to process **4 ton of waste per day** within our employee housing clusters at the PT SWA subsidiary in Muara Wahau. The waste will be processed into several streams of products: **recycled materials**, **proteins, organic fertilizers, and construction materials**.





Waste is a perennial problem for humanity. In Jakarta, the equivalent of a 60 storey building of waste is generated every 3 years.

### Our Waste Reduction Project at HQ

In 2021, we began a waste management plan at our HQ to raise awareness and reduce our office waste in a structured and quantifiable way.



In collaboration with Climate-Tech startup, we have **reduced office waste disposed of in landfills by 49.3%** from a total of 7,553 kg of waste generated during 2023.

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02 OUR CAP JOURNEY

01 ABOUT

# CHALLENGES WITH MEASURING our AMBITIONS



# 04 CHALLENGES WITH MEASURING our AMBITIONS THE CHALLENGES





### Sequestration factors are not clear.

There is no universally accepted standard guideline for measuring biogenic sequestration per annum. It is potentially linked to over or under-estimation of removals and carbon offsets market.



NO DATA

Emission factors are generic and not specific.

For instance, there is no difference in the emission factors for Scope 3 FLAG external FFB purchases from NDPE-compliant farmers and non-committed ones. The same goes for the processing of our products by our buyers.

**DSNGROU** 



Our planet doesn't need us to save it, It has gone through 5 mass extinction events.

We need saving from ourselves.