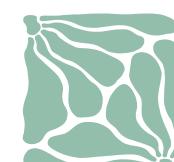


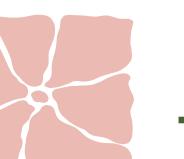


COMPANY PROFILE

Asia Creative Energy - ACE JSC



Address: 32-D7 Saigon Pearl Vilas,
92 Nguyen Huu Canh St., Binh Thanh Dist., Ho Chi Minh City



Tel: +84 (028) 3518 1020





AC GROUP OVERVIEW

Subsidiary companies

INFORMATION



Asia Creative Communications

Foundation: 30/01/2008
 Chairman: **MR. DANG XUAN THO**
 CEO: **MRS. PHAN THI THUYET**
 Main product: Content provider, media.



Asia Creative Investment

Foundation: 25/06/2012
 Chairman&CEO: **MR. DANG XUAN THO**
 Network: ACI Hoa Lu, ACI Quy Nhon
 Main Product: Tapioca Chips.



Asia Creative Energy-ACE

Foundation: 2020 (*)
 Chairman&CEO: **MR. DANG XUAN THO**
 Network: 3 Domestic Factories
 (ACE Dung Quat; ACE Chau Duc; ACE Qui Nhon)
 Main Product: Wood Pellet
 (*) Due to restructure of AC Group.

	2020	2021	2022
Total revenue	6,233,490	5,022,421	4,223,360
Total assets	5,185,100	4,688,292	4,665,794
Owner's equity	3,595,864	3,423,752	3,424,844
Total revenue	17,361,047	11,843,901	23,771,598
Total assets	12,718,131	9,360,273	11,267,939
Owner's equity	5,240,471	5,056,449	5,132,879
Total revenue	11,653,400	37,821,339	67,170,845
Total assets	18,832,292	28,622,954	54,782,762
Owner's equity	14,696,425	17,392,626	30,341,936

(USD)



AC GROUP OVERVIEW

Organization Shareholders

ASIA CREATIVE INVESTMENT JSC <ACI>

CHAIRMAN: MR. DANG XUAN THO
MAJOR SHARE HOLDER:
Mr. DANG XUAN THO: 51.90%
Mr. NGUYEN NHAT TIEN: 24.41%
Mrs. PHAN THI THUYET: 23.69%.

ACI TRADING

FIELD: AGRICULTURAL
CHAIRMAN&CEO: MR. DANG XUAN THO
MAJOR SHARE HOLDER: ACI: 100%

ACI TRADING HOA LU

ACI TRADING QUI NHON

ASIA CREATIVE ENERGY ACE JSC <ACE>

FIELD: ENERGY
CHAIRMAN&CEO: MR. DANG XUAN THO
MAJOR SHARE HOLDER:
ACI: 60.56%
Mr. NGUYEN TRAN VU : 24.04%
Mr. DANG XUAN THO: 12.11%

ACE DUNG QUAT

CEO: MR. NGUYEN NHAT TIEN
MAJOR SHARE HOLDER: ACE: 73.80%

ACE CHAU DUC

CEO: MR. DANG QUOC KHANH
MAJOR SHARE HOLDER: ACE: 93%

ASIA CREATIVE COMMUNICATIONS JSC <ACC>

FIELD: COMMUNICATIONS
CEO: MRS. PHAN THI THUYET
MRS. DANG THI KIM NHUNG
MAJOR SHARE HOLDER:
ACI: 51%
Mrs. PHAN THI THUYET: 47.87%

ACE QUI NHON

CEO: MR. NGUYEN TRAN VU
MAJOR SHARE HOLDER: ACE: 72.70%



ASIA CREATIVE ENERGY - ACE JSC Company Overview

Asia Creative Energy - ACE Joint Stock Company is engaged in the production and sales of renewable energy materials such as wood pellet.

Since its founding, ACE has grown into one of the largest producers of renewable bioenergy in Vietnam with three modern pellet factories strategically located near major logistic hubs as well as key forestry sources.

ACE's objective is to produce and deliver to our valuable customers high-quality and eco-friendly products that come from sustainable forests. We strive to raise our economic value by building a sustainable business foundation and contribute to environmental conservation.

2014

ACE started the construction of 2 factories- ACE Chau Duc and ACE Quang Ngai. Supply contracts with Korean and Japanese clients were secured

ACE Qui Nhon is in operation, which increases the group's production capacity to 420,000 MT/year

2022

Recording the 2022 milestone of exporting over 400,000 tons to Korea, Japan, and Europe.

2020

2024

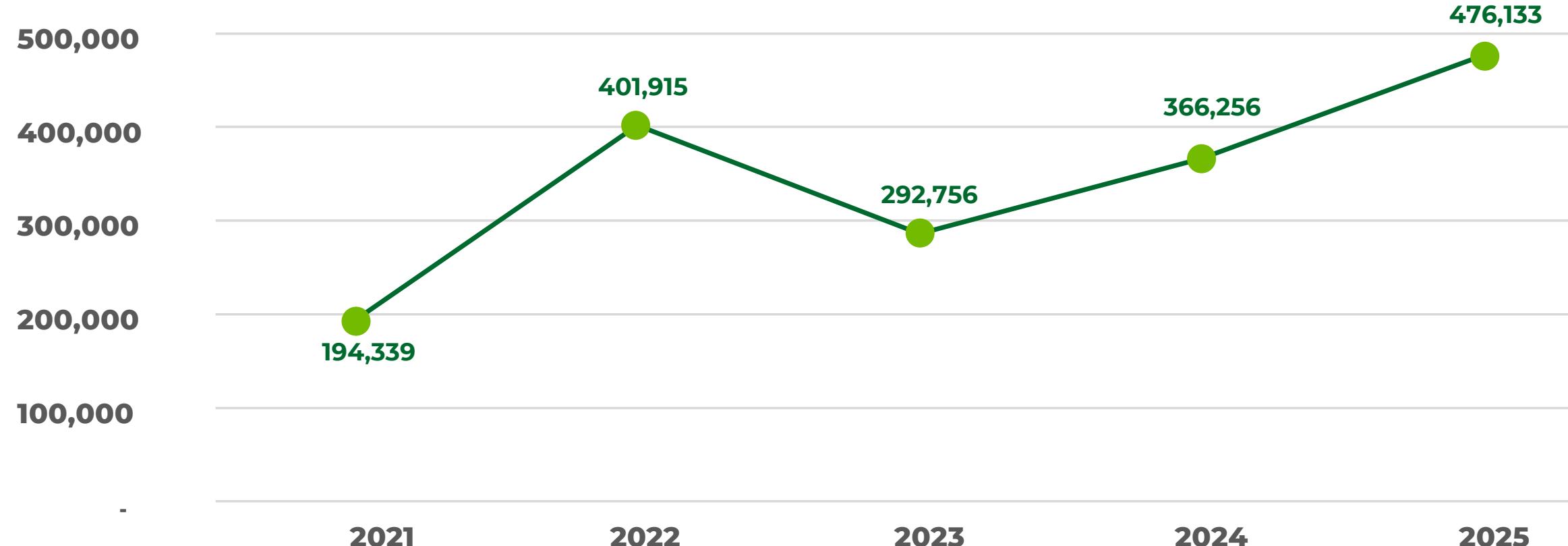
The construction of the 4th factory - ACE Da Nang (220,000 MT/year) commenced. Machineries were imported from Germany.



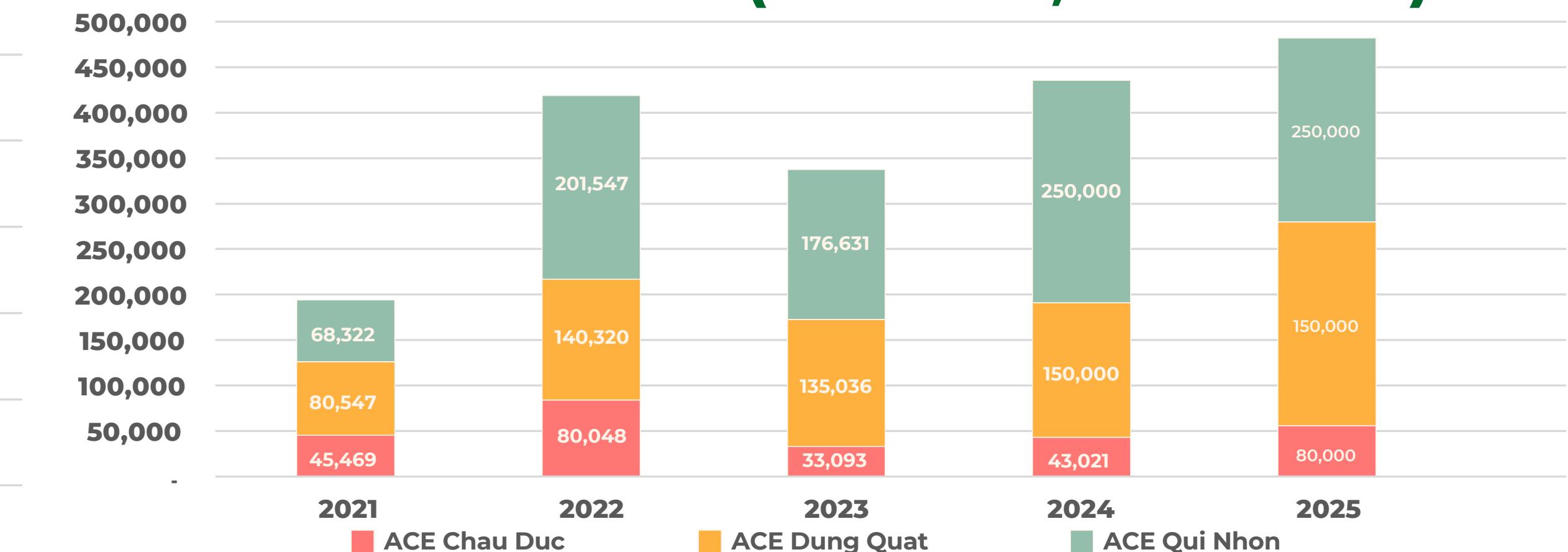
ASIA CREATIVE ENERGY - ACE JSC

ACE BY NUMBER

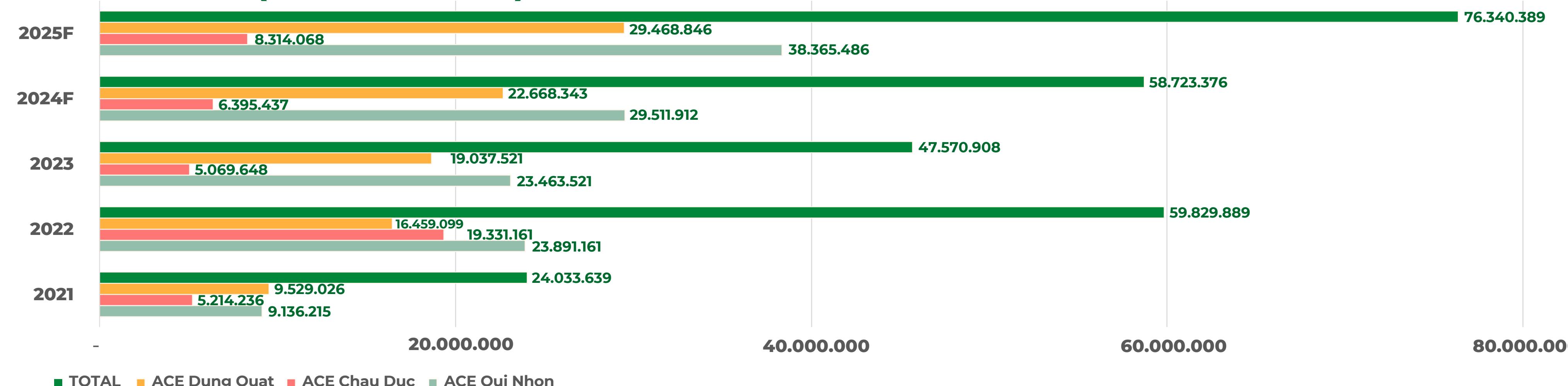
Sales's volume (Metric ton, 2021 - 2025F)



Production volume (Metric ton, 2021 - 2025F)



ACE's Revenue (USD, 2021-2025F)



■ TOTAL ■ ACE Dung Quat ■ ACE Chau Duc ■ ACE Qui Nhon



ASIA CREATIVE ENERGY - ACE JSC ACE'S STRENGTHS

1



RAW
MATERIAL

2

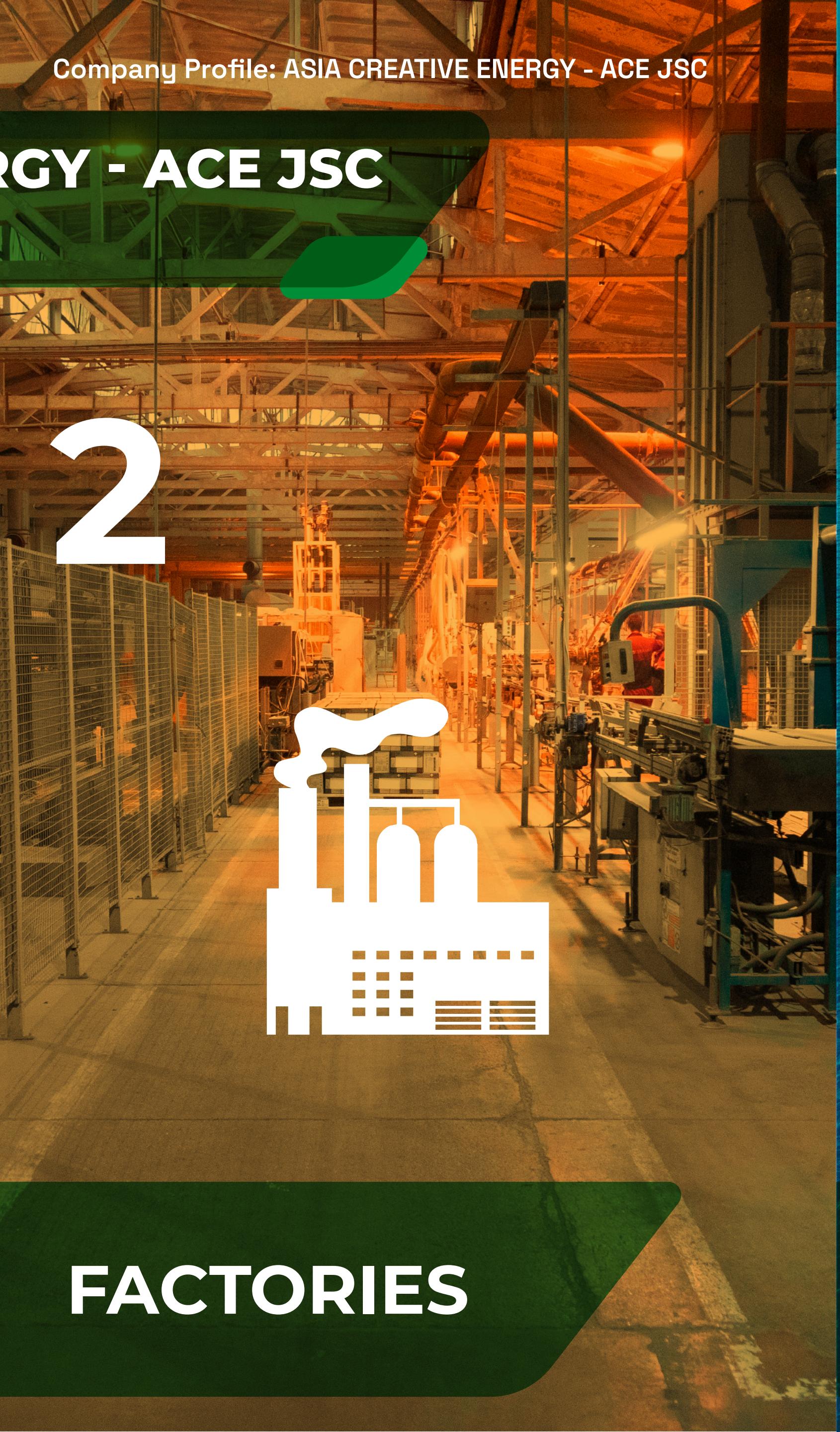


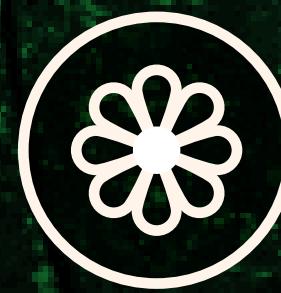
FACTORIES

3



LOGISTIC





RAW MATERIALS (1/3)

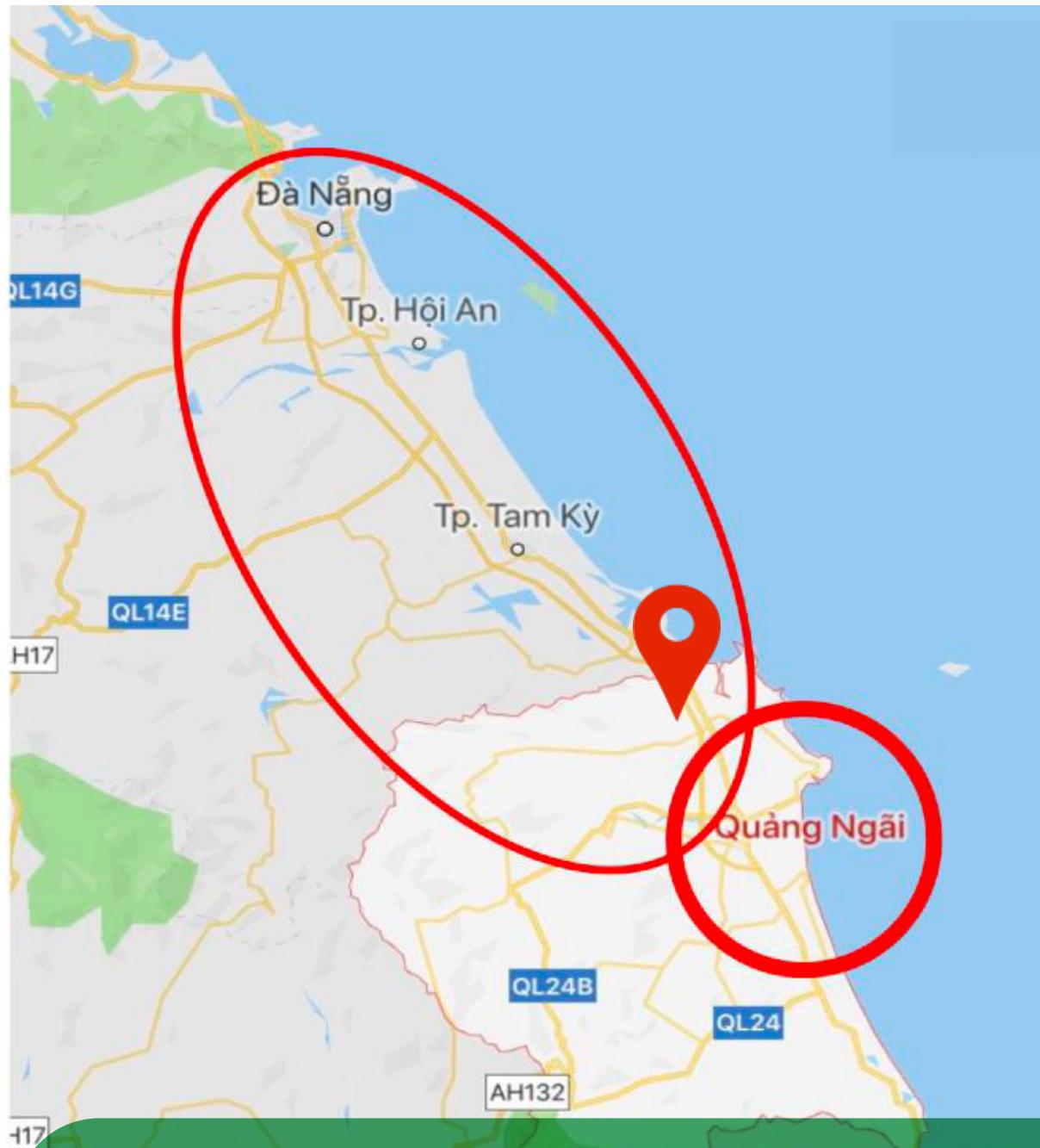
Forestry Sources



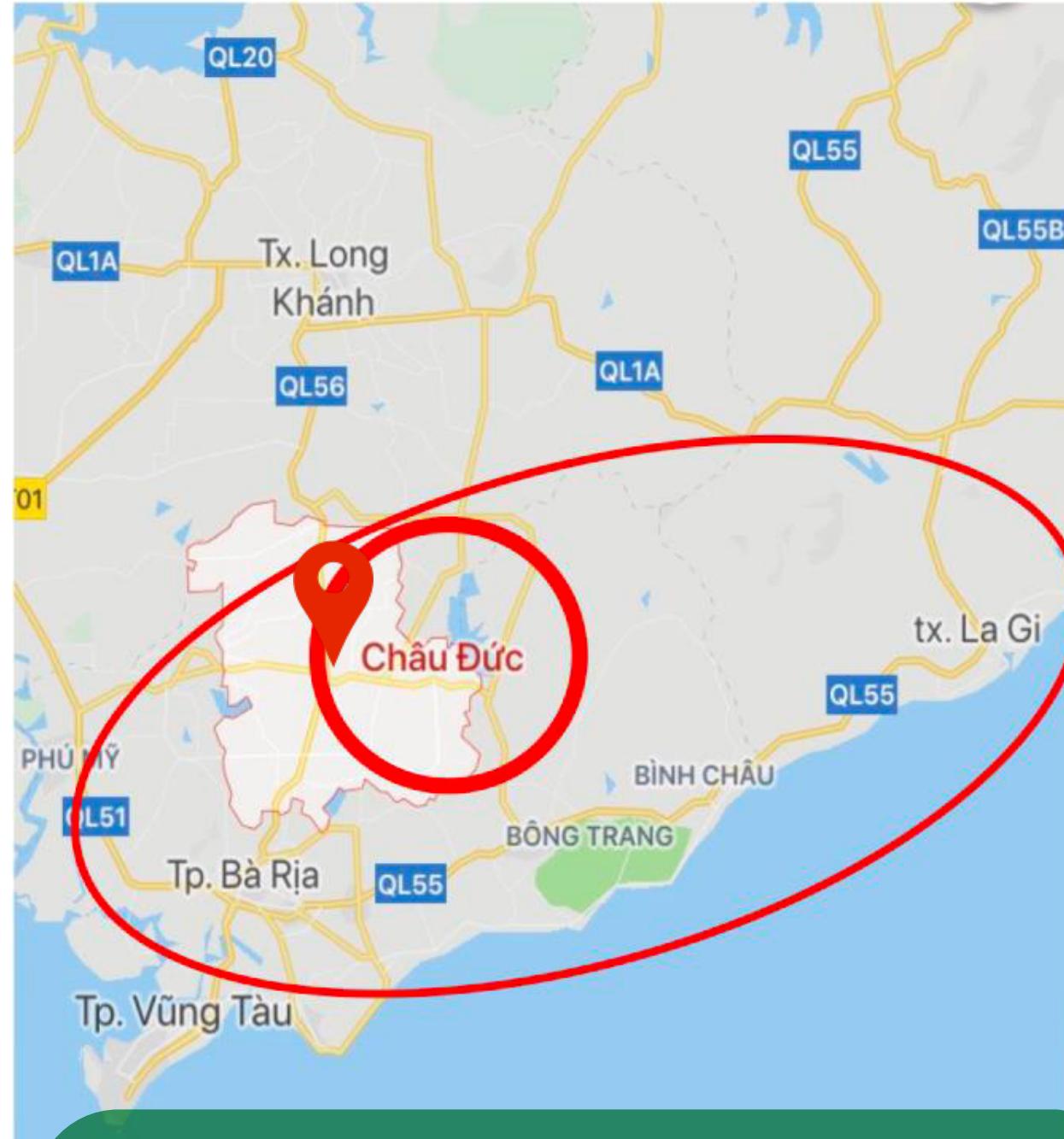
**Strategically Located Within
Close Proximity to The
Forestry Resources With
Abundant supplies of
Raw Materials**



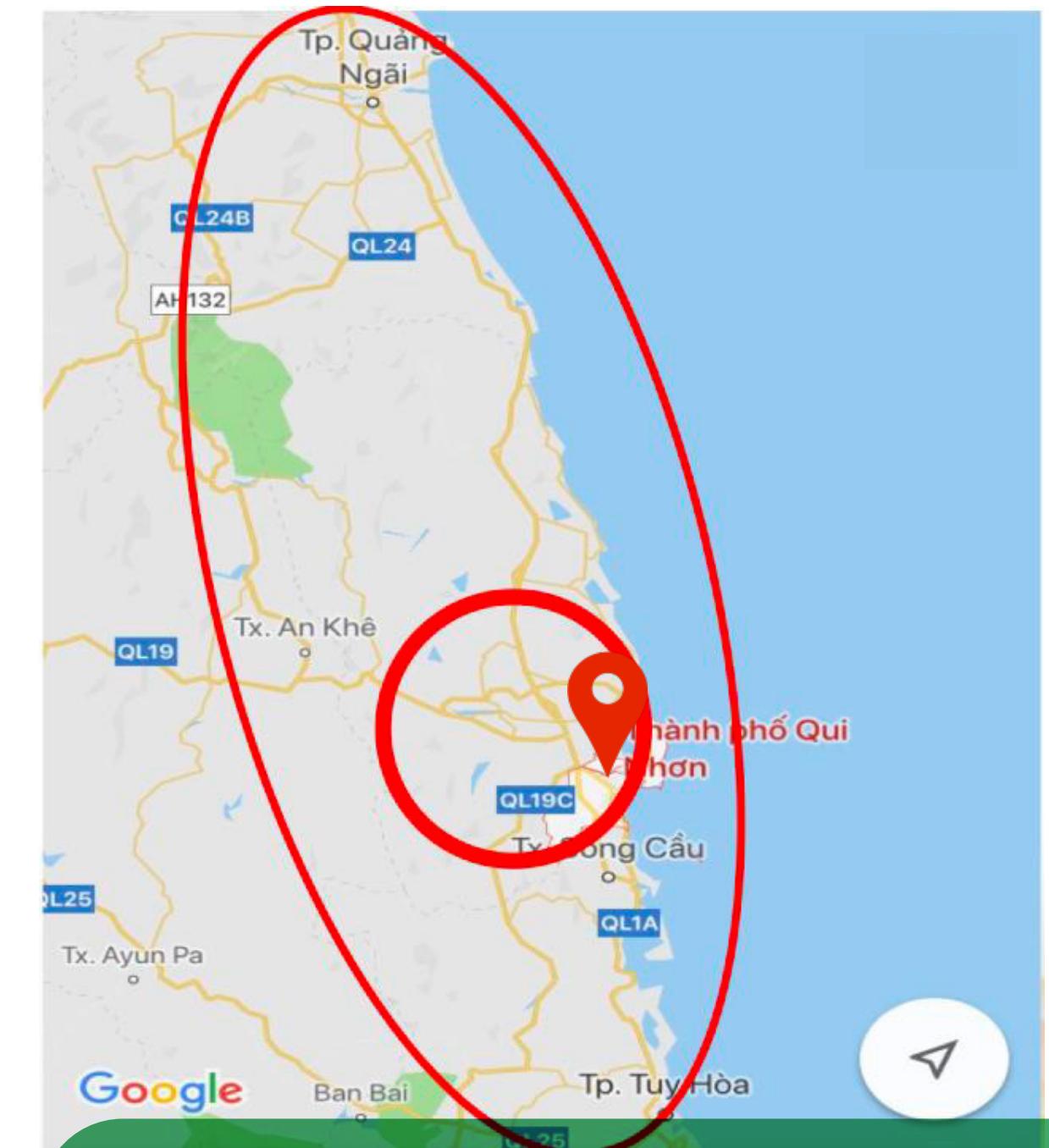
RAW MATERIALS (2/3) Forestry Sources



ACE Dung Quat



ACE Chau Duc



ACE Qui Nhon

Distance from the raw material supplier to pellet factory.

Within 100km

Within 100km

Within 200km



RAW MATERIALS (3/3) Procurement Strategy



 Set up 3 - 5 purchasing stations for raw materials purchasing...

 Sign contract with plantation company, government farm, and farmers...

 Sign contract with wood processing, furniture companies...

 Do FSC CoC, FSC 100%, SBP Red II





FACTORIES (1/14)

Overview

Items	ACE Chau Duc	ACE Dung Quat	ACE Qui Nhon
Address	Lang Lon Ward, Chau Duc District, Ba Ria Vung Tau Province, Vietnam.	Dung Quat Economic Zone, Quang Ngai Province, Vietnam	Long My Industrial Park, Qui Nhon City, Binh Dinh Province, Vietnam
Start-up of production	November 2015	Jan 2016	December 2020
Number and Production capacity of pelletizers (MT/hour)	2 pelletizers (4.5 – 5MT/h/pc)	80K MT/Year	6 pelletizers (4.5 – 5MT/h/pc) 140K MT / Year
Type of packing	Bulk and container		
Brand of pelletizer	CPM		
Storage capacity (inside, outside)	Raw materials	10.000MTS	25.000MTS
	Products	20.000MTS	30.000MTS



FACTORIES (2/14) Strategic Locations

3 DIFFERENT STRATEGIC LOCATIONS WHICH

- In the central of key forestry sources (around 50KM – 100KM away).
- Close distance to logistic hubs which have long experience, specific equipment for loading. (20 – 70KM)

Competitive in transportation cost (about 2USD/MT)

MINIMIZE RISK OF DELIVERY

ACE Dung Quat 1

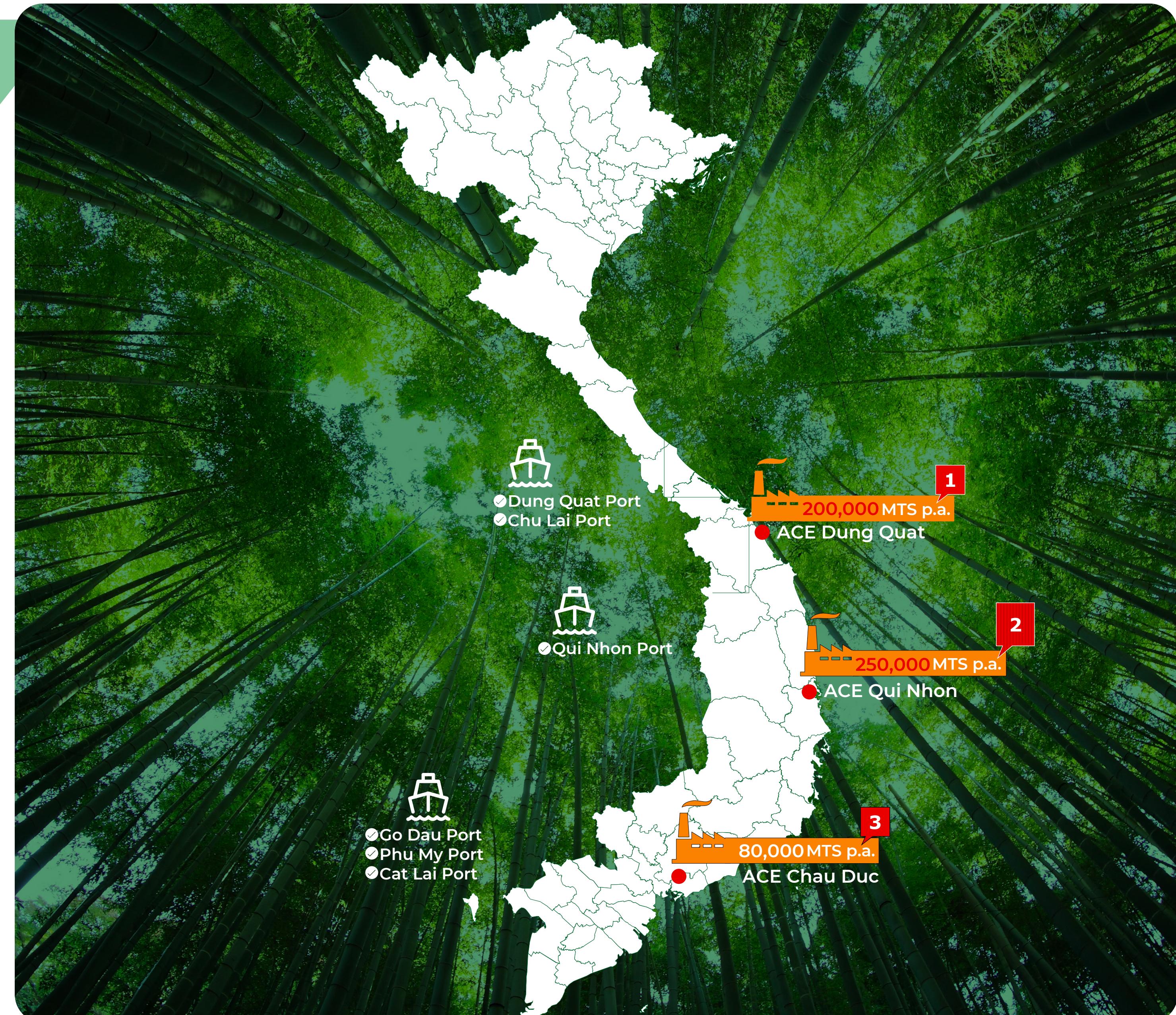
- ✓ Located 12KM away from Dung Quat Port
- ✓ Within 30 minutes driving from Chu Lai Airport
- ✓ 25km from Chu Lai port

ACE Qui Nhon 2

- ✓ 22Km (20 minutes) from factory to Qui Nhon Port
- ✓ 40 minutes from Phu Cat Airport

ACE Chau Duc 3

- ✓ 18KM away from Go Dau Port
- ✓ 20KM from Phu My Port
- ✓ 70KM away from Cat Lai Port
- ✓ About 1 hour by car from Tan Son Nhat International Airport

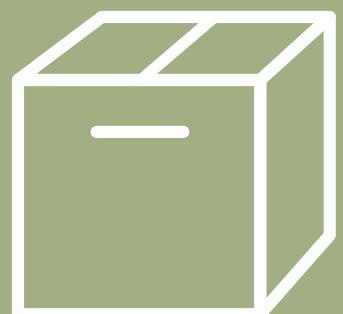




FACTORIES (3/14) Management

5S IN FACTORIES CONCENTRATE ON PEOPLE AWARENESS

1



Seri

Sort

Remove what is not
needed and keep what
is needed

2



Seiton

Set in order

Arrange essential items
in order for easy assess

3



Seiso

Shine

Keep things clean and
tidy no trash or dirt in
the workplace

4



Seiketsu

Standardize

Establish standards and
guidelines to maintain a
clean workplace

5



Shitsuke

Sustain

Make 5s habit and teach
others to adhere to
established standards



FACTORIES (4/14) Quality Control

Magnetic



SPECIFIC EQUIPMENT TO REMOVE CONTAMINATION BEFORE INVENTORY
WOOD PELLET QUALIFIED BY TRUSTWORTHY INSPECTION COMPANIES



ACE's WOOD PELLET STANDARD		
Item	Unit	Guaranteed Specification
Diameter	mm	6~8
Length	mm	10~30
Bulk Density	kg/m ³	600~650
Total Moisture (As Received)	% wt	Less than 10%
Gross Calorific Value (As Received, GAR)	kcal/kg	More than 4,300
Net Calorific Value (As Received, NAR)	kcal/kg	More than 4,000
Ash (Air Dried)	% wt	Less than 2.0
Total Sulphur (Air Dried)	% wt	Less than 0.1
Nitrogen (Dry)	% wt	Less than 1.0
Chlorine (Dry)	% wt	Less than 0.05
Potassium (Dry) + Sodium (Dry)	% wt	Less than 0.25
Fine (Remark)	% wt	Less than 3.0
Particle size distribution (raw material of wood pellet)	mm	Under 3.15: 99% Under 2.00: More than 95% Under 0.06: More than 50%
Foreign Matter	% wt	None



FACTORIES (5/14) Impurity Control



The installed
magnet used
through
production flow



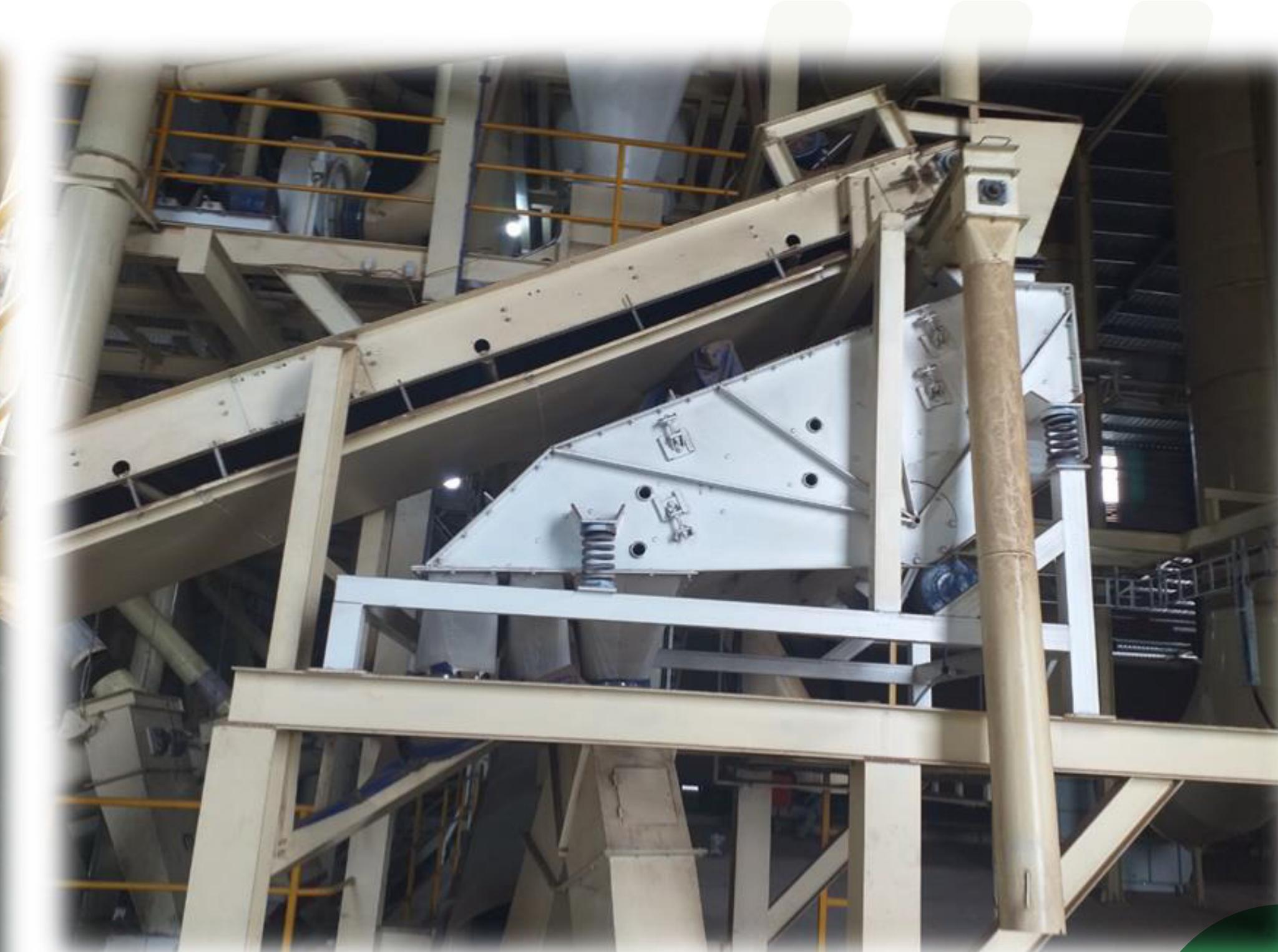
FACTORIES (6/14) Impurity Control



Iron and stone
magnetictrap
of the dryer



FACTORIES (7/14) Impurity Control



Installed magnet of the
vibratory screeners (for
wood chip)



FACTORIES (8/14) Impurity Control



Installed magnet of
the 1st hammer mill



FACTORIES (9/14) Impurity Control



Installed magnet of
the 2nd hammer mill



FACTORIES (10/14) Impurity Control



Installed magnet of
the pelletizer



FACTORIES (11/14) Impurity Control



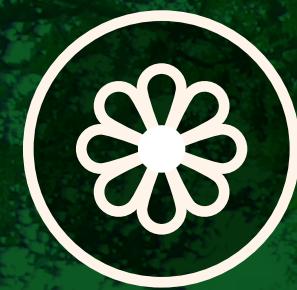
Installed magnet of the
cooler system



FACTORIES (12/14) Impurity Control



warehouse



FACTORIES (13/14) Production work flow



1 Wood logs

2 Chipping

3 Grinding

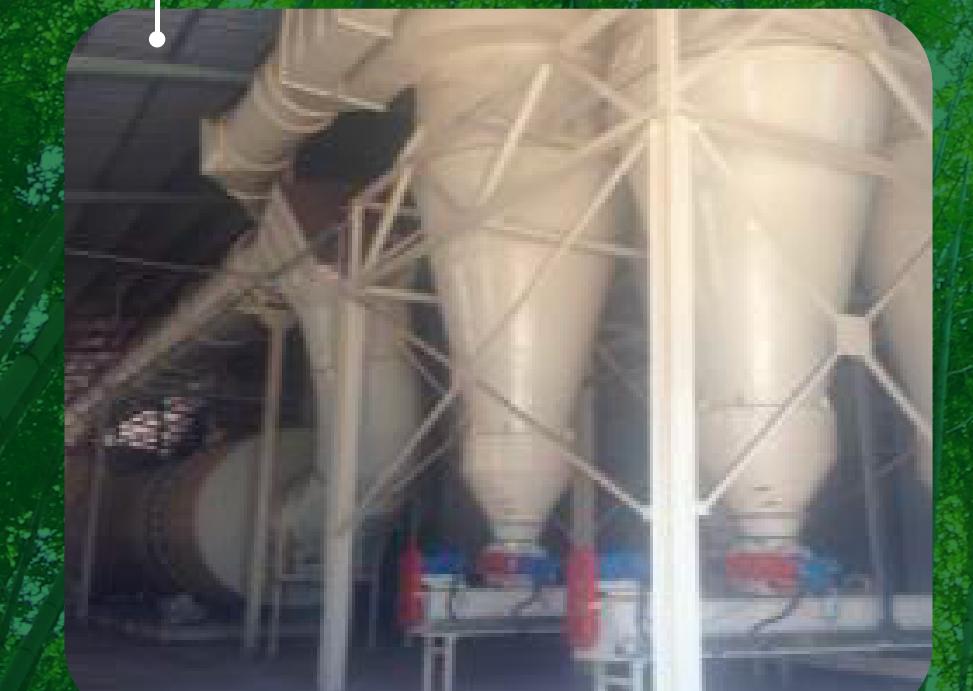
4 Drying

5 Fine-grinding

6 Pelleting

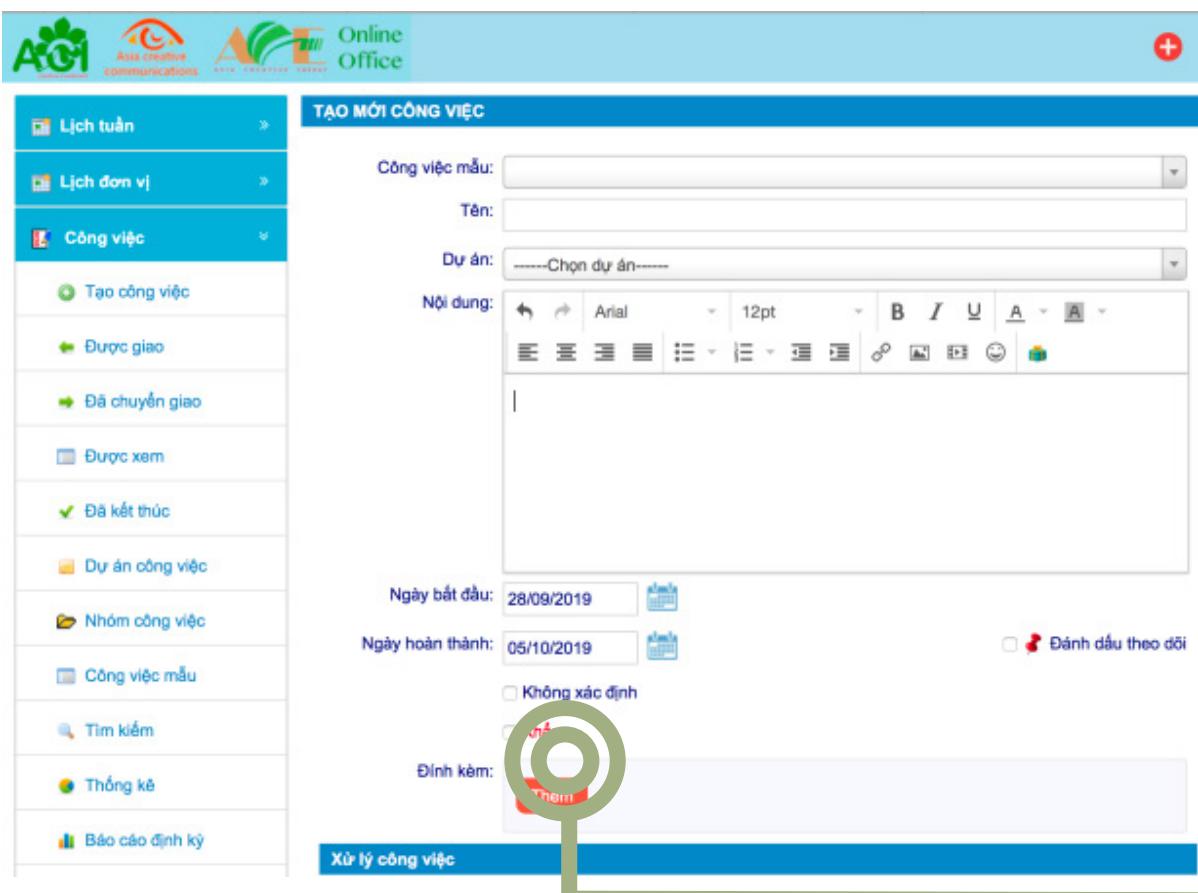
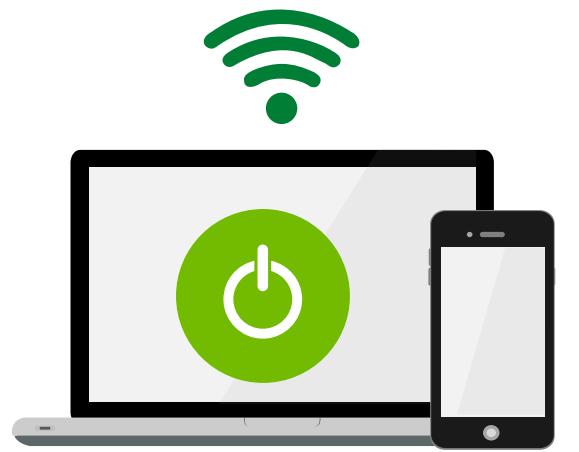
7 Cooling

8 Warehousing





FACTORIES (14/14) Production work flow



AUTOMATIC PRODUCTION LINE



LOGISTICS (1/7) Equipment and facilities

Containers open top

(Releasing in bottom or side)



Trucks

One truck might carry 2



Bulldozers

Blade capacity: 7m³





LOGISTICS (2/7)

Loading process



Cleaning container

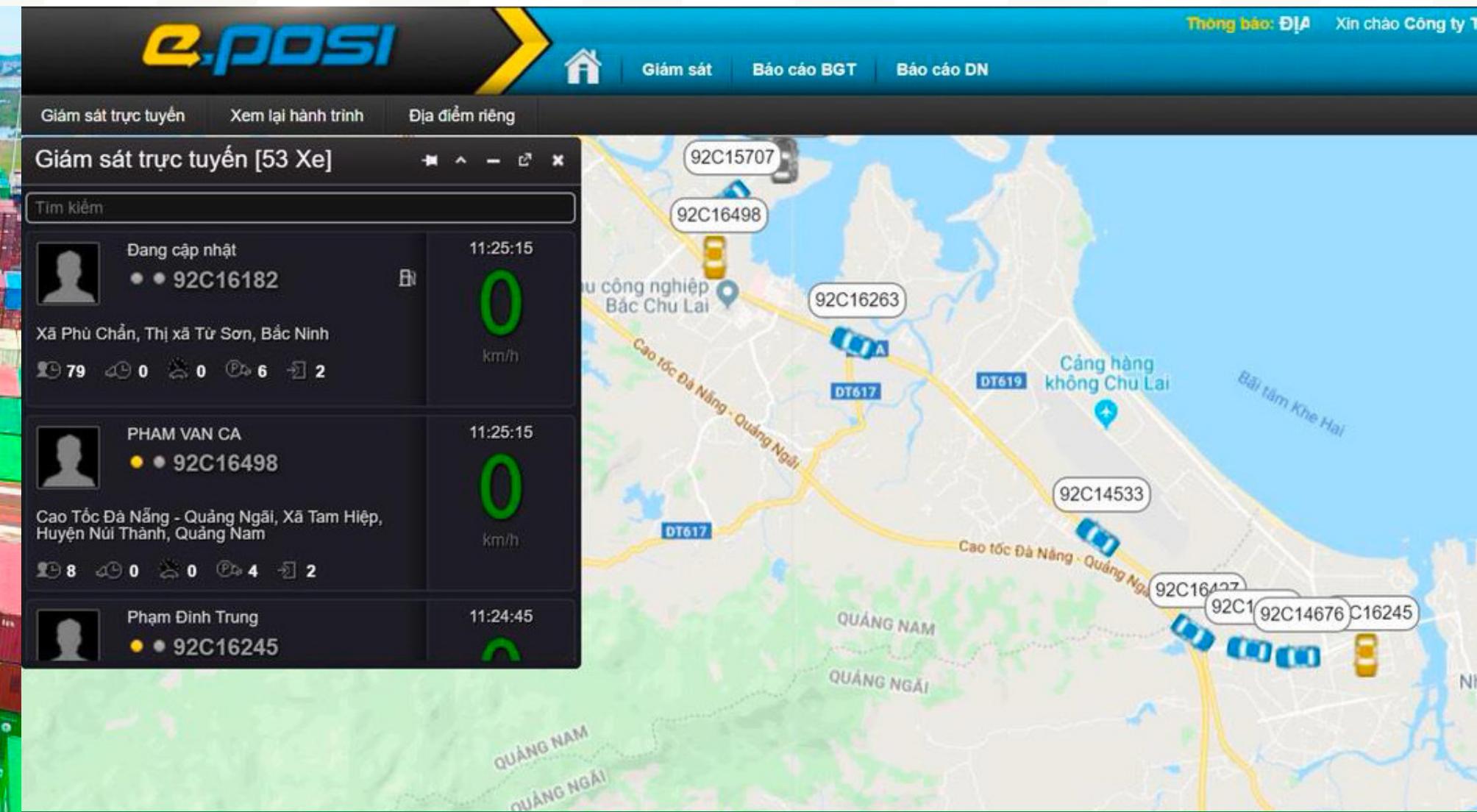


Loading wood pellet into container: 34 - 36MT per truck. It takes 12 minutes for stuffing per truck.



LOGISTICS (3/7)

Loading process



Truck tracked by GPS

Weighing, covering cargo and transport: 30 minutes from plant to port



LOGISTICS (4/7) Loading process



Discharging wood pellet from containers to vessel holds: 8 minutes per truck

2 stevedores of loading port and 2 staff from ACE each hold to make sure cargo is loaded properly



LOGISTICS (5/7) Loading process



IN BERTH



IN FACTORY

Do not allow to bring
belonging on board

Staff have to give back enough
the number of tool for loading
after their shift



LOGISTICS (6/7) Loading process



Trimming and fumigation

Loading system help to reduce cost, risk of transportation. Just on time - as always!



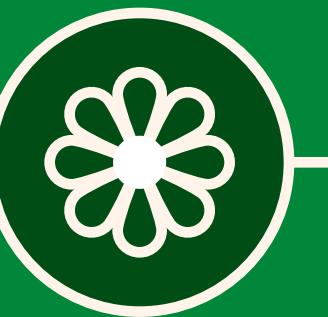
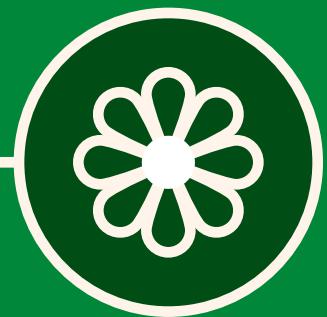
LOGISTICS (7/7)

Loading port



Loading Port	Distance from pellet factory to loading port.	Particular	Shipments (for wood pellet) can berth at same time	Working time	Loading Rate	
					Usual	ACE offer
ACE DUNG QUAT	Dung Quat Port	16KM	- Maximum draft 12.0M/SWAD - Maximum size of acceptable vessel 70,000DWT.	2	24/24H	2,500MT 4,000MT
	Chu Lai Port	23KM	- Maximum draft 8.0M/SWAD - Maximum size of acceptable vessel 30,000DWT.			
ACE CHAU DUC	Go Dau Port	20KM	- Maximum draft 11.0M/SWAD - Maximum size of acceptable vessel 30,000DWT.	2	24/24H	2,500MT 4,000MT
	Phu My Port	22KM	- Maximum draft 13.5M/SWAD - Maximum size of acceptable vessel 87,000DWT.			
ACE QUI NHON	Qui Nhon Port	20KM	- Maximum draft 13.8M/SWAD - Maximum size of acceptable vessel 50,000DWT.	2	24/24H	3,000MT 6,000 MT
	Tan Cang - Mien Trung Port	20KM	- Maximum draft 8.6M/SWAD - Maximum size of acceptable vessel 15,000DWT			
	Thi Nai Port	18KM	- Maximum draft 9.0M/SWAD - Maximum size of acceptable vessel 35,000DWT			

THANK YOU



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ACE DUNG QUAT

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Ngai Province, Vietnam

ACE CHAU DUC

Address: Lang Lon Ward, Chau Duc District, Ba
Ria Vung Tau Province, Vietnam.

ACE QUI NHON

Address: Long My Industrial Park, Qui Nhon
City, Binh Dinh Province, Vietnam