



# **The Vissai Cement Group New Clinker & Cement & Distribution Facilities (starting from 2017)**



*United for lasting Prosperity*

# The Vissai's Current Plants: 8 clinker factories + 05 grinding Stations

## Total Capacity up to date of 12 million tons per year

- **Ninh Binh Plant – Head Quarter**

- Location: Ninh Binh Prov (10 years old)
- Clinker capacity:
  - Line 1: 2,500MT clinker per day, 1 million MT per year
  - Line 2: 6,500MT clinker per day, 2.2 million MT per year
- Grinding Station Capac: 10,000MT/day

- **Ha Nam Plant**

- Location: Ha Nam Prov (3 years old)
- Clinker Capacity:
  - Line 1: 2,500MT clinker per day, 1 million MT per year
  - Line 2: 3,300MT clinker per day, 1.4 million MT per year
- Grinding Station Capac: 3,500MT/day

- **Dong Banh Plant**

- Location: Lang Son Prov (6 years old)
- Clinker capacity:
  - Line 1: 2,500MT clinker per day, 1 million MT per year
- Grinding Station Capac: 3,500MT/day

- **Song Lam II Plant**

- Location: Nghe An Prov (2 year old)
- Clinker capacity:
  - Line 1: 2,000MT clinker per day, 0.7 million MT per year
- Grinding Station Capac: 2,500MT/day



# The Vissai's New Plants – Central Vietnam

## Song Lam Clinker Factory & Nghi Thiet Grinding Station



### Song Lam Clinker Factory

- Location: Nghe An Prov - north-central Vietnam bordering Laos and the Gulf of Tonkin.
- Capacity:
  - Line 1: 6,500MT clinker per day, 2.2 million MT cement per year, commissioning **October 2016**
  - Line 2: 6,500MT clinker per day, 2.2 million MT cement per year, commissioning **November 2016**
  - Line 3 & 4: 6,500T clinker/day per each, 4.4 million MT cement per year commissioning in quarter 4, 2018

### Nghi Thiet Grinding Station

- Grinding Capacity:
  - Stage 1: 300T/hour, **6,000MT per day**, commissioning **December 2016 (Loesche VRM)**
  - Stage 2: 300T/hour, 6,000MT per day, commissioning in April 2017 (Loesche VRM)
  - Stage 3: 300 T/hour, 6,000MT per day, commissioning in 2018 (Loesche VRM)





# Limestone Quarry and Quality



Limestone Quarry Area : 50,8 ha

Location: Bai Son Commune – Do Luong District – Nghe An Province

Approved Reserve: 51,273 million tons

Estimated year of mining: 50 years

**$\text{CaO} \geq 50\%$   $\text{MgO} \leq 2.2\%$**



*The Vssai - United for lasting Prosperity*

New Cement & Clinker distribution facilities from 2017 - by Vissai IMEX  
Intecem 2016

# The Vissai: 20 million tons exported After 06 years to more than 36 markets All Over The World



**The Vissai - United for lasting Prosperity**

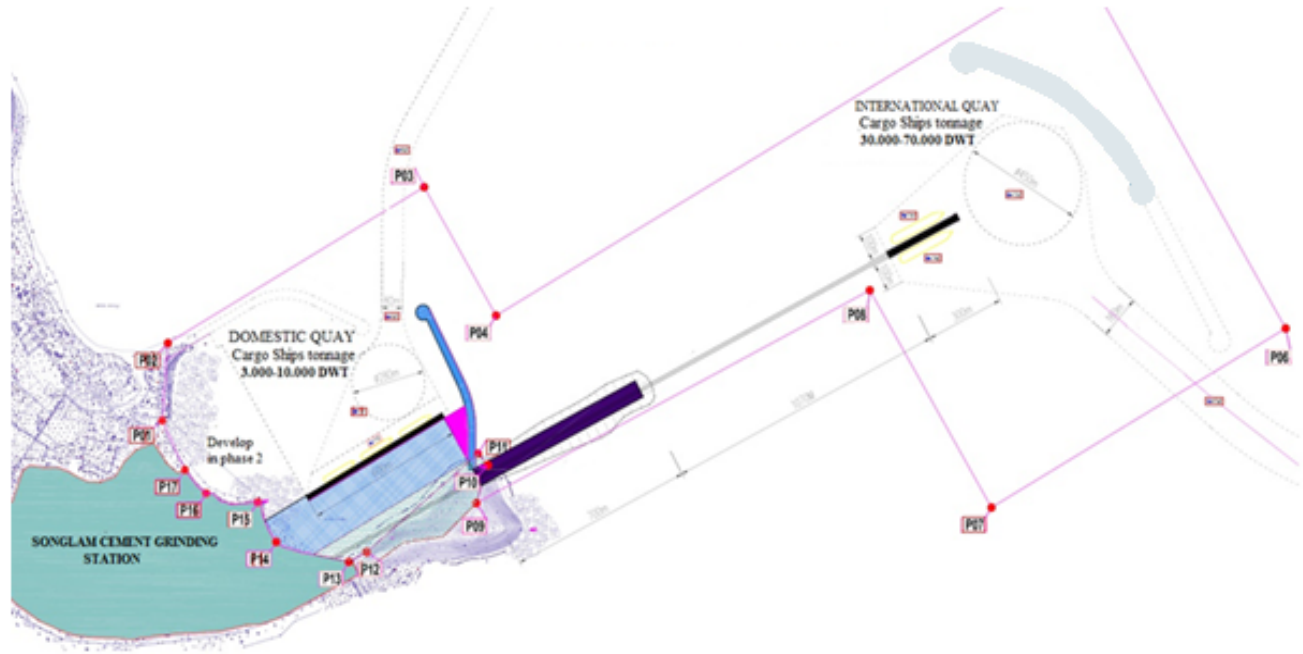
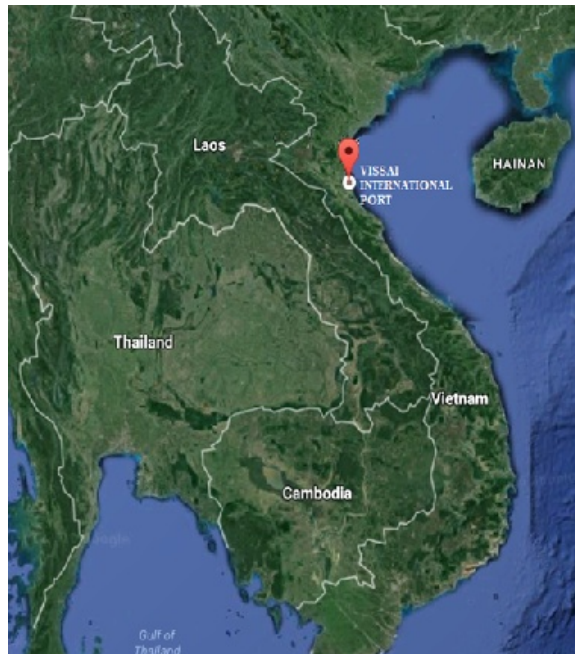
New Cement & Clinker distribution facilities from 2017 - by Vissai IMEX

Intercem 2016



# Loc An – Vissai International Port – A Game Changer

## Designed Throughput Capacity: 8 millions ton per annum



### 02 Berths off-shore for loading/unloading bulk cargo sizing from 30,000 DWT – 70,000 DWT

- The international quay will be in operational starting **January 2017**
- Berth ONE is able to receive vessel size of maximum **30,000MT** deadweight
- Berth TWO is able to receive vessel size of maximum **70,000MT** deadweight
- Bulk **cement** terminal using closed conveyor belt system with loading rate of **15,000T** per day
- Bulk **clinker** terminal using closed conveyor belt system with loading rate of **20,000T** per day



## Domestic Quay and Containerised Cargo (2018)



A strategic Hub & stockyard for bulk cargo distribution:

- Coal
- Gypsum
- Slags
- Alternative fuels at low cost due to efficiency logistics.

The First in Vietnam, where cement and clinker can be loaded in all sizes/types of carriers without restriction at high productivity

Back up solution: HON NGU anchorage at  $18.8^{\circ}\Phi$   $105.7^{\circ}\lambda$  which is 3km away from Nghi Thiet.



**The Vissai - United for lasting Prosperity**

New Cement & Clinker distribution facilities from 2017 - by Vissai IMEX

Intercem 2016

# The Vissai Vessel Fleet – Total carriage capacity: 50,000 DWT



## **MV VINAKANSAL 01**

BUILT 2008, VIET NAM FLAG  
DWT 5188 MT, LOA 97.120/BEAM 15.60. GRT 2999 MT  
CRANE 3 sets x 12 tons  
CLASS: VHR, VRN



## **MV VISSAI VCT 02**



**The Vissai - United for lasting Prosperity**



## **MV VISSAI VCT 05**

BUILT 2008, VIET NAM FLAG – SID- BC  
DWT SUMMER 22.502 MT ON 9.05 M  
GRT: 14.851GT, NRT: 7.158NT  
LOA: 153.02 / BEAM 26  
GR/BL: No1: 3.293,21/3.255,98m<sup>3</sup> No2: 5.406,31/5.366,23m<sup>3</sup> No3:  
6.505,67/6.467,12m<sup>3</sup> No4: 6.505,67/6.467,12m<sup>3</sup> No5: 5.896,6x5.858,7  
TPC (MLD): 33.3 MT  
CRANE: 4 sets x 30 tons  
CLASS: VR/NK / PNI CLUB: STANDARD

## **MV VISSAI VCT 02**

BUILT 2007, VIET NAM FLAG, SDBC  
DWT SUMMER 22.502 MT ON 9.50M  
GRT: 14.851GT, NRT: 7.158NT  
LOA: 153.02 / BEAM 26 TPC (MLD): 33.3 MT5H/5H;  
GR/BL: 27,607.46 / 27,415.16 CBM  
H.COVERS: F&A FOLDING TYPE  
CRANE: 4 sets x 30 tons  
CLASS: VR/NK / PNI CLUB: STANDARD

New Cement & Clinker distribution facilities from 2017 - by Vissai IMEX  
Interceam 2016



# The Vissai Cement Group – Product Range

## Cement Products:

1. CEM I 42.5 Type N conforming to EN 197-1:2011
2. CEM I 52.5 Type N conforming to EN 197-1:2011
3. CEM II 42.5 Type N conforming to EN 197-1:2011
4. CEM II 42.5 Type R conforming to EN 197-1:2011
5. OPC Type I-II conforming to ASTM C-150 (Low Alkali)
6. OPC Type II-V conforming to ASTM C-150 (Low Alkali)
7. Portland Cement conforming to New Zealand Standard 3122:2009 Type HE (High Early Strength)
8. Slags premix Cement (from 2017 onward)

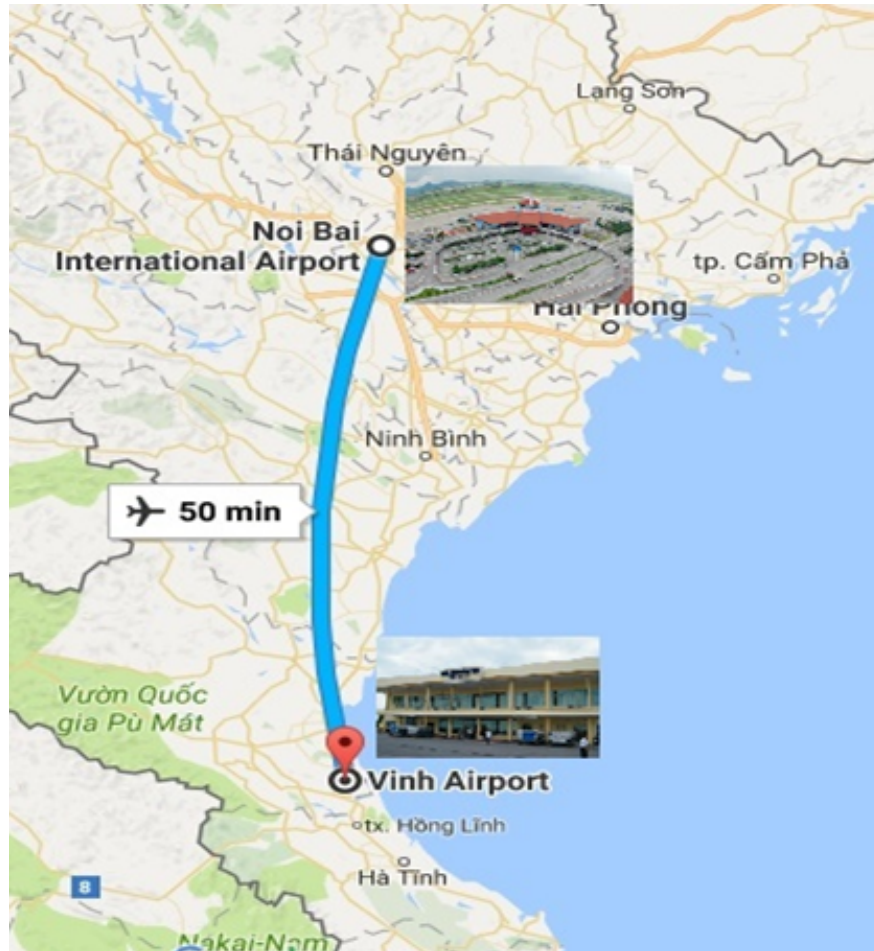


## Clinker Products:

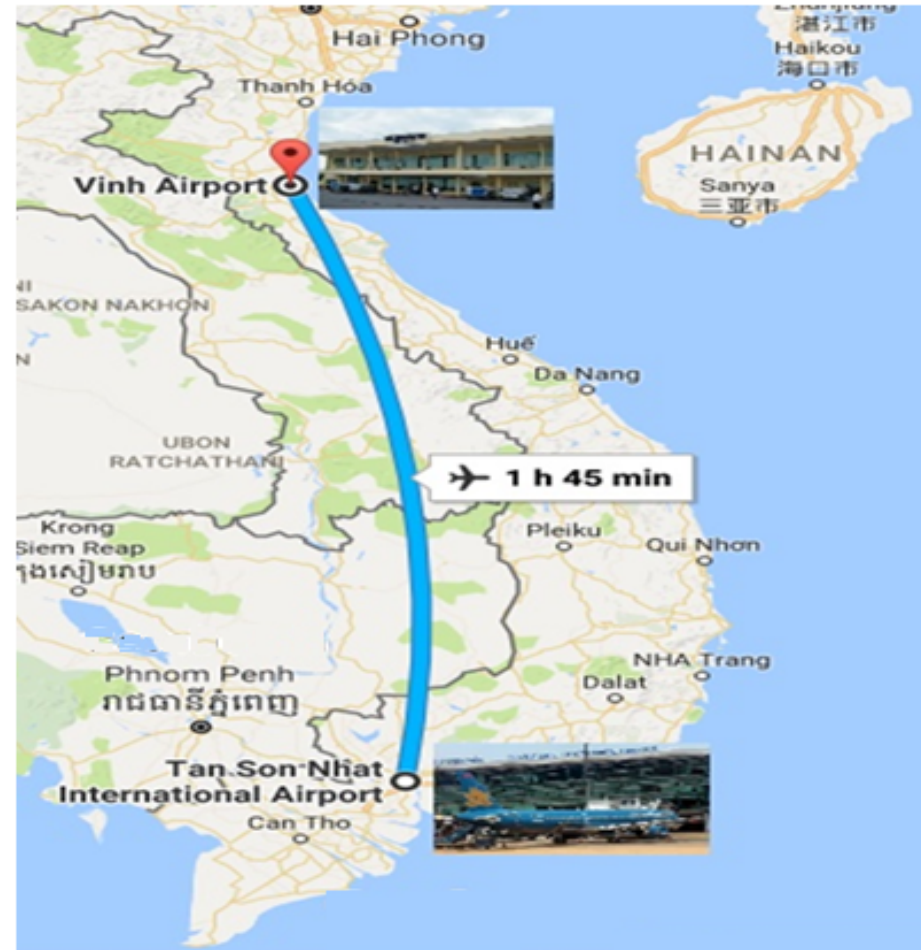
1. Type I conforming to ASTM C-150-11 (Standard Quality)
2. Type I conforming to ASTM C-150-11 (High C3S - Low Alkali)
3. Type I conforming to ASTM C-150-11 (Low Alkali & Low Hexavalent Chromium, Cr6 below 5 ppm, Low Chloride)
4. Clinker Type V conforming to ASTM C-150-11



## To visit us...



From Noi Bai International Airport (HaNoi) to Vinh International Airport  
Travelling time: 50-minutes



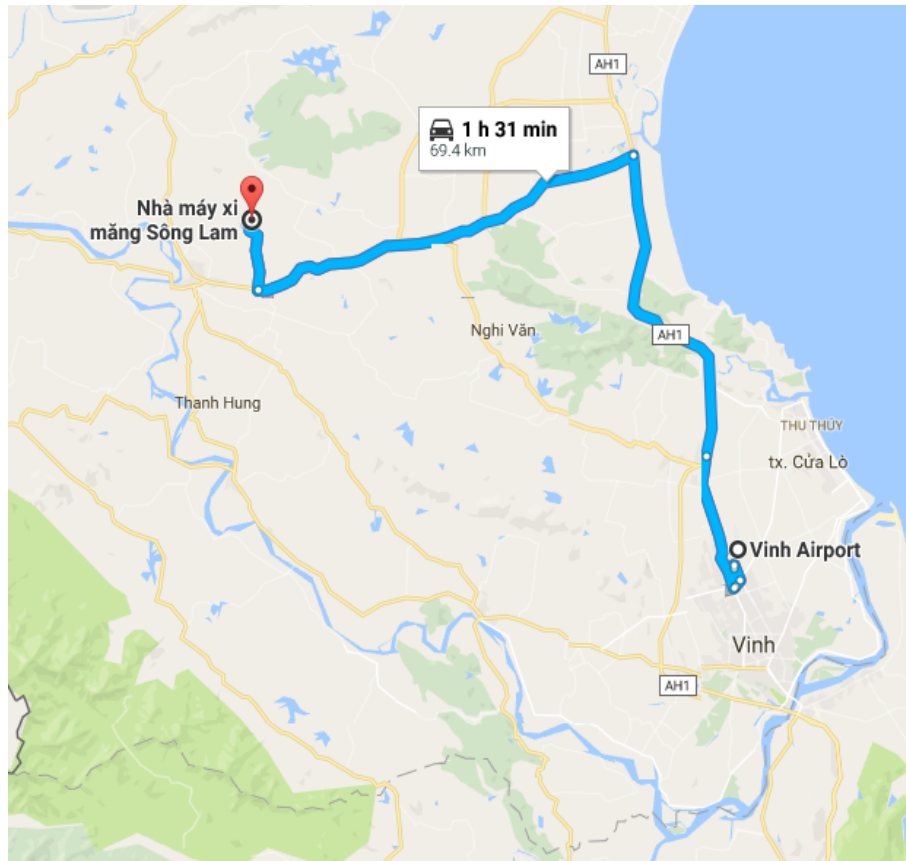
From Tan Son Nhat International Airport (Ho Chi Minh) to Vinh International Airport  
Travelling time: 1-hour & 45-minutes



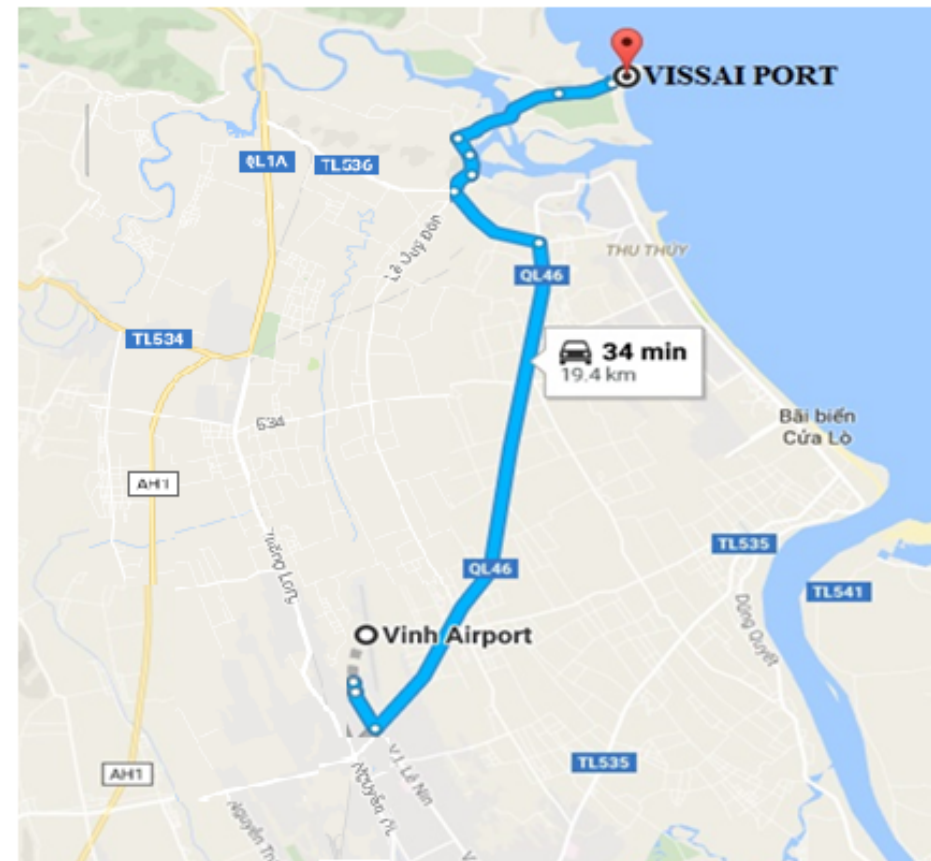
**The Vissai - United for lasting Prosperity**

New Cement & Clinker distribution facilities from 2017 - by Vissai IMEX  
InterceM 2016

# You can do all of the visit within 01 day time



From Vinh International Airport to Song Lam Clinker Factories  
at Do Luong, Nghe An province  
Distance: 57.5km  
Travelling time: 1-hour & 30-minutes



From Vinh International Airport to Loc An Vissai International Port  
at Nghi Thiet, Nghe An Province  
Distance: 19.4km  
Travelling time: 30-minutes



***The Vissai - United for lasting Prosperity***

New Cement & Clinker distribution facilities from 2017 - by Vissai IMEX  
Intercom 2016



# THE VISSAI: We committed – We delivered!

---



**United for lasting Prosperity**



***The Vissai - United for lasting Prosperity***

New Cement & Clinker distribution facilities from 2017 - by Vissai IMEX  
Intercem 2016