



Ba Ria - Vung Tau Province

Vietnam's First Environmentally-friendly City for Sustainable Development





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I. OVERVIEW



Ba Ria – Vung Tau province locates in the Southern Key Economic Zone.

Coordinate: 10°05' - 10°48' North và 107° - 107°35' West.

The North adjacent to Dong Nai province;
The East adjacent to Ho Chi Minh City;
The West adjacent to Binh Thuan province;
The South adjacent to The East Ocean.

Total area: 1.989,4,6 km²

Administrative units: 08

II. OVERVIEW

- Population : 1.064.000 người
- Working population: 702.000 (accounting for 65% of population).
- Economic growth rate: 5,6%;
- Contribution to national GDP : 6,73%;
- GDP per capital (excluding oil and gas): 5,233 USD.
- Economic structure: Industry – Construction 83%; Services - Trade 13%; Agriculture, Forestry, Fishery 4%.



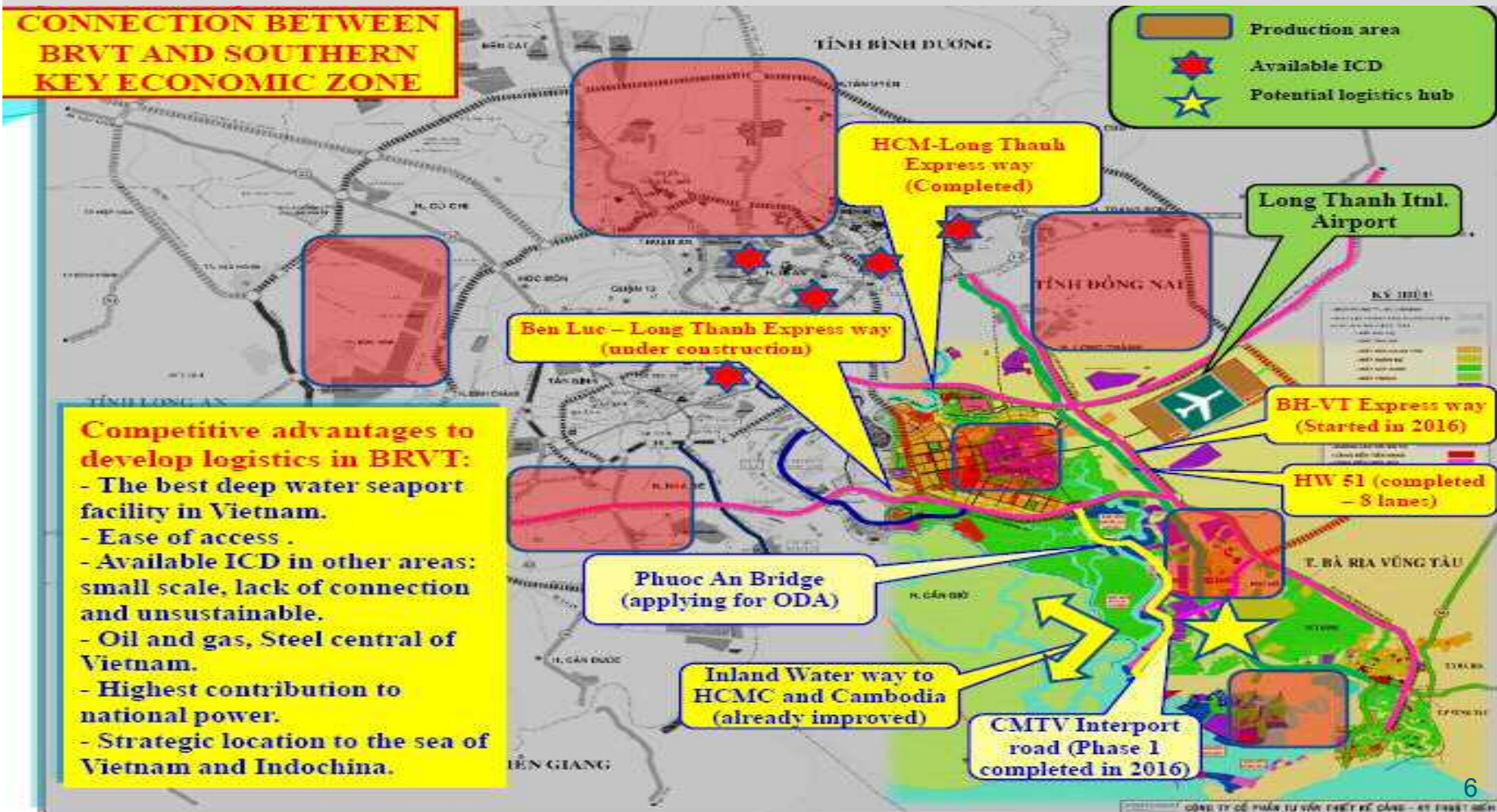
BRVT has Attractive 4 Points

– Only 1 Province in Vietnam

- 1) BRVT is next to North-South highway (opening January 2014), Ben Luc-Long Thanh New highway (scheduled to open 2020), and is within a 30-minute from Long Thanh international new airport (scheduled to open 2025).**
- 2) BRVT is close to Cai Mep Thi Vai International Terminal (about 4 ~ 8km from main industrial zones in BRVT).**
- 3) There are rich province in terms of Natural Resources(Natural Gas, LPG, Condensate) and mountain water.**
- 4) BRVT has a lots power plants (natural gas fired, total power amount: 4100MW). So any company can use the stable power.**

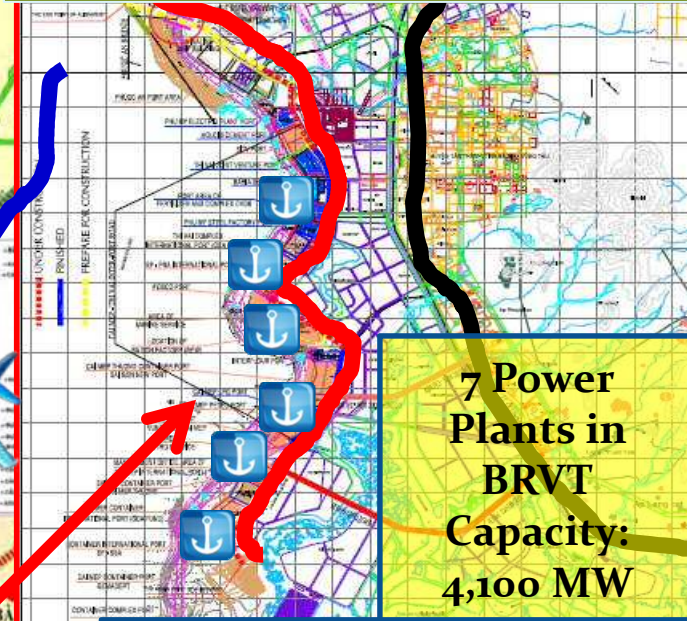
Supply chain in the southern economic zone of Vietnam

Vietnam can produce basic materials in Ba Ria-Vung Tau Province where integrate heavy industry and petrochemical industry , which belong to upstream in supply chain, and supply those materials for light industry zone next to BRVT, which are Dong Nai, Binh Duong, Long An and Ho Chi Minh (downstream in supply chain). As the result, BRVT will contribute to Vietnam as the base for the basic materials to increase local content rate in Vietnam.



Logistics chain in the southern economic zone of Vietnam

Cai Mep – Thi Vai Deep Port of Ba Ria- Vung Tau Province



Long An

Ho Chi Minh City

Bing Duong

Dong Nai

Mekong Delta Area

BRVT

**7 Power Plants in BRVT
Capacity: 4,100 MW**

**Seaports in BRVT
"Cai Mep Thi Vai Ports"**
Depth: 14m ~16m
Capacity: 6.8 million TEUs/year
Number of Ports: 17 including 7 Container Ports

Local Content Rate in ASEAN & China

Country	2015	2014	2010
Vietnam	32.1%	32.2%	22.4%
China	64.8%	66.2%	58.3%
Thailand	55.5%	54.8%	56%
Indonesia	40.5%	43.1%	42.9%
Malaysia	36.0%	40.7%	45.1%
Philippines	26.2 %	28.4%	29.2%

JETRO

Environmental Problems after Economy Growth in Kawasaki City



1967 (40 years ago)



2011

Province Based Economic Growth Program (PBEG)

Organizer:

The Japan International Cooperation Agency (JICA)

Implementation Site: 2 provinces in VN (including BRVT)

Goal: Achieve an economic growth in a local province led by Technical & Financial Intensive Support by **Japan Government.**

Industrialization



Logistics & Seaport



Environment Protection



Basic Survey of PBEG in support of JICA (From Oct/2016 around for 1 year)

- **Representative of the Survey Team**
 - Mizuho Research Institute Co., Ltd.
- **The Members**
 - **Industrialization**
Mizuho Bank, Ltd.
 - **Logistics & Seaport**
Oriental Consultants Global Ltd.
 - **Environment**
Institute for Global Environmental Strategies (IGES)
- **Support from Japanese local governments**
 - Kawasaki City, Kanagawa Prefecture in Kanto, Japan
 - Kitakyushu City, Fukuoka Prefecture in Kyushu, Japan

II. Implementation result of major missions on environmental protection



Phú Mỹ I Industrial Zone

- Focused waste water treatment system: 10 IZs, 04 Industrial Clusters (100%).
- Automatic monitoring system: 07 IZs, 01 Industrial Clusters.
- Collection and treatment of urban waste water: 06 projects. Total waste water: 28.960 m³/day.
- Project of Collection and treatment of urban waste water Phase I of Vung Tau city (capacity of 22.000 m³/day and night) operating in 2015.



Đông Xuyên Industrial Zone



Phú Mỹ III Industrial Zone

II. Implementation result of major missions on environmental protection

- Invested the focused waste treatment area of 100 ha in Tan Thanh District, attracted 13 projects (08 projects have been operating).
- Household solid waste: 6 out of 8 locals treat the waste by burying (564 tons/day, accounting for 90,1%); 02 locals burry temporarily, burn with small volume capacity of 60 tons/day, accounting for 9,9 %).



II. Implementation result of major missions on environmental protection

- Industrial solid waste (1,000 tons/day) are transferred to functional agencies in Ba Ria – Vung Tau province and nearby provinces.
- Hazardous industrial solid waste: 200 tons/day (excluding steel furnace dust). Quantity of steel furnace dust has been created about 35,586 tons since January 2016 and transferred to 03 units which are improved by Vietnam Environment Administration.



II. Implementation result of major missions on environmental protection

- Medical waste: 10 incinerators in 10 hospitals, medical center (100%)
- Waste separation at source: will apply a model in Con Dao District in 2017, 01 ward in Ba Ria city, Vung Tau city and 01 town in districts.
- To invest into Lang Dai waste disposal complex, Dat Do District (total area of 51 ha). Investment into solid waste incinerator for the period of 2017 – 2018. Up to 2020, the province will shift to the household solid waste treatment by recycling and combustion technologies together with power generation.



II. Implementation result of major missions on environmental protection

Issued Decision No. 2214/QĐ-UBND dated 16 August 2016 on the criterias for selective investors, investment projects and list of projects in the priority areas for investment attraction, conditional investment attraction and stopped investment attraction in Ba Ria – Vung Tau province.

Not attract industries can create high impacts on environment, such as: cassava starch processing; rubber processing, basic chemical manufacturing (creating industrial waste water); dying, tanning; projects producing construction steel, billets; processing paper, paper pulp; fish meal processing, etc.



III. Major solutions for environmental protection in the future

Increasing popularity of environmental laws, raising awareness, sense of responsibility for environmental protection of enterprises and investors.



III. Major solutions for environmental protection in the future

Strongly invest, manage automatic monitoring system for waste water, emissions, especially waste water and emissions from industrial zones and industrial clusters.

Strengthening inspection, controlling, preventing, treating environmental pollution areas.



III. Major solutions for environmental protection in the future

- Urgently invest 03 seafoods processing areas in the province in order to resolve environmental pollution caused by seafoods processing operations, individually in residential area.
- Direct the relevant authorities to urge and request investor to build steel furnace dust treatment plant and put it into operation soonly.

III. Major solutions for environmental protection in the future

- Strengthen coordination with other agencies, domestic and foreign units, particularly units, locals of Japan in applying environmental treatment technologies.
- A number of priority areas: experience of state management on environment; household waste burning technology; emission treatment technologies, experience of management on automatic monitoring system, etc.



III. Major solutions for environmental protection in the future

To enhance training, retraining, and recruiting human resources on environmental protection, especially at district and commune levels.





Ba Ria – Vung Tau

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Thank you



Kawasaki City