



Strategic Location of Batam

Malaysia
Johor Bahru
Singapore
Batam Island
20 km
Bintan Island
Indonesia

FTZ Area: 715 Ha (Used: 30%)

Batam Indonesia Free Zone Authority
(BIFZA)

Vision




Transshipment



Trading



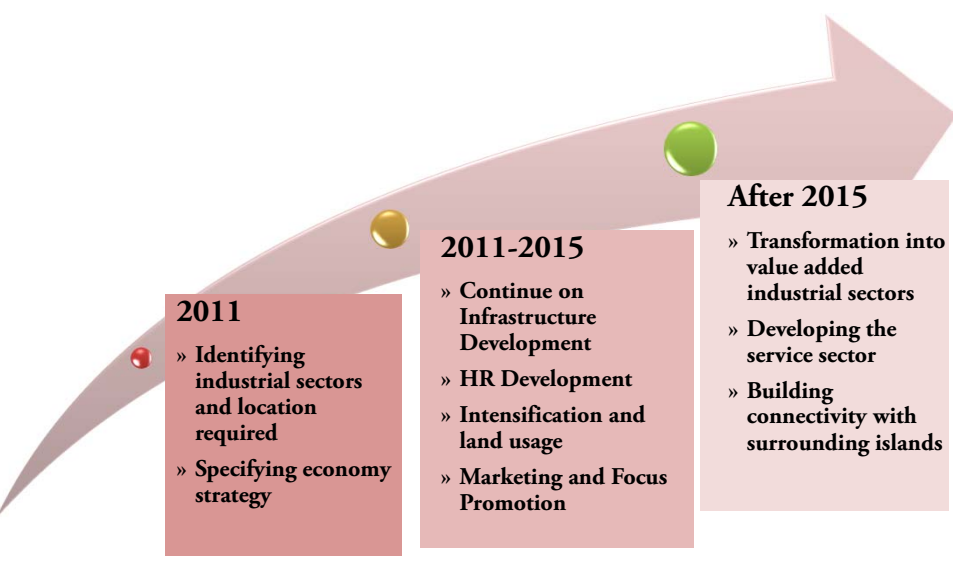
Services



Batam Indonesia Free Zone Authority (BIFZA)

Roadmap Batam Free Trade Zone



2011

- » Identifying industrial sectors and location required
- » Specifying economy strategy

2011-2015

- » Continue on Infrastructure Development
- » HR Development
- » Intensification and land usage
- » Marketing and Focus Promotion

After 2015

- » Transformation into value added industrial sectors
- » Developing the service sector
- » Building connectivity with surrounding islands

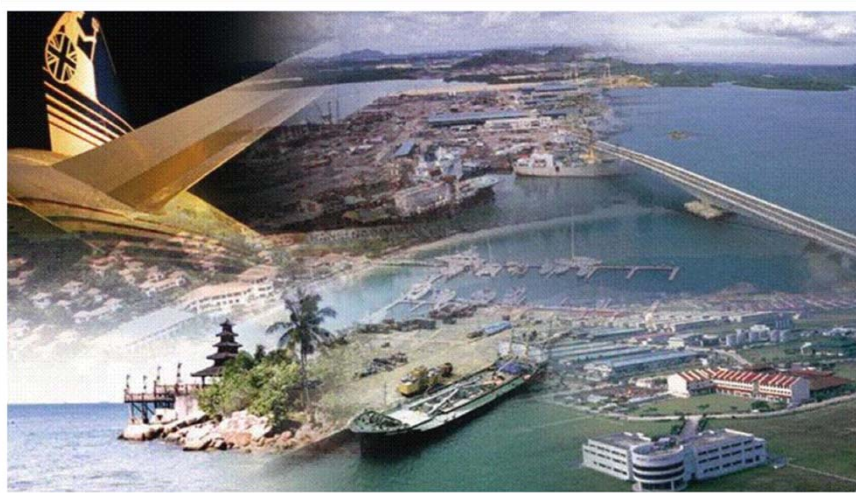
Investment Incentives



- Exemption on Import/Export Tax
- Exemption on Value Added Tax (VAT)
- GSP Facility (Generalized System of Preferences)
- Double Taxation Avoidance Agreement with 57 countries
- Competitive Investment & Operation Cost

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Modern Infrastructure

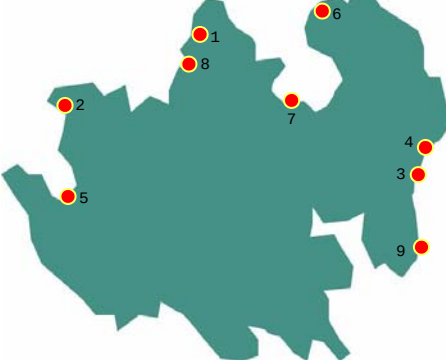


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Sea & Cargo Port




- 1. Batu Ampar, Port**
 Berth Capacity : 35,000 DWT
 Berth Length : 1,250 m (3,600 m)
 Depth : 6 - 12 m (14 m)
 Open Storage : 214,000 m² (230,950 TEUS)
 Warehouse : 19,500 m² (208,950 m²)
- 2. Sekupang, Port & Terminal**
 Berth Capacity : 10,000 DWT (15,000 DWT)
 Berth Length : 177 m (1,200 m)
 Depth : 9 m (12 m)
 Open Storage : 116,100 m² (143,600 TEUS)
 Warehouse : 42,240 m² (92,000 m²)
- 3. Kabil, Port**
 Berth Capacity : 35,000 DWT (150,000 DWT)
 Berth Length : 420 m (5,500 m)
 Depth : 12 m (18 m)
 Open Storage : 100,000 m² (2,500,000 TEUS)
 Warehouse : 1,890 m²
- 4. Kabil Citranusa, Port**
 Berth Capacity : 30,000 DWT
 Berth Length : 176 m
 Depth : 10 m
 Open Storage : 200,000 m²
 Warehouse : 10,000 m²
- 5. Teluk Senimba, International Terminal**
- 6. Nongsapura, International Terminal**
- 7. Batam Centre, International Terminal**
- 8. Harbor Bay, International Terminal**
- 9. Telaga Pungur, Domestic Terminal**







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Hang Nadim International Airport




DESCRIPTION	UNIT	EXISTING CONDITION	ULTIMATE DESIGN
RUNWAY	Meters	4025 X 45	4025 X 45
APRON	M ²	110,541	170,000
TERMINAL	M ²	27,065 (4 Pairs of Boarding Bridge)	88,000 (12 pairs of Boarding Bridge)
AIRCRAFT	Type 7	B 747	B 747
TERMINAL CAPACITY	Passengers per Year	3,300,000	8,300,000
FREIGHT STORAGE	Tones	16,230	700,000
FUEL STORAGE	Kiloliter	52,000	52,000




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Electricity, Roads, Telecommunication






Electrical Power Supply

1. State Owned Electrical Company Power Plant	300 MW
2. Private Owned Power Plant	161 MW
Total Capacity	461 MW

Source: PLN Batam



Roads

Arterial Road	474.78 Km
Collector Road	352 Km
Local Road	850 Km
Total Roads Constructed	1,676.78 Km

Telecommunication

Existing Capacity 111,768 Line Unit

Source: Telkom Batam

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Fresh Water Supply




RESERVOIR NAME	VOLUME	WTP DESIGN CAPACITY	OPERATIONAL
SEI HARAPAN RESERVOIR	3,600,000 m ³	210 L/ SEC	212,96 L/ SEC
BALOI RESERVOIR	270,000 m ³	30 L/ SEC	26,10 L/ SEC
SEI NONGSA RESERVOIR	720,000 m ³	60 L/ SEC	85,64 L/ SEC
SEI LADI RESERVOIR	9,490,000 m ³	240 L/ SEC	316,40 L/ SEC
MUKAKUNING RESERVOIR	12,270,000 m ³	310 L/ SEC	333,52 L/ SEC
DURIANGKANG RESERVOIR	78,180,000 m ³	3,000 L/ SEC	1,368.72 L/ SEC
TEMBESI PLANNED RESERVOIR	41,876,080 m ³	540 L/ SEC	-
REMPANG RESERVOIR	5,166,400 m ³	-	-
SEI GONG RESERVOIR	-	20 L/ SEC	-
TOTAL	109,696,400 m ³	4,102 L/ SEC	2,343.34 L/ SEC





Fresh Water Service

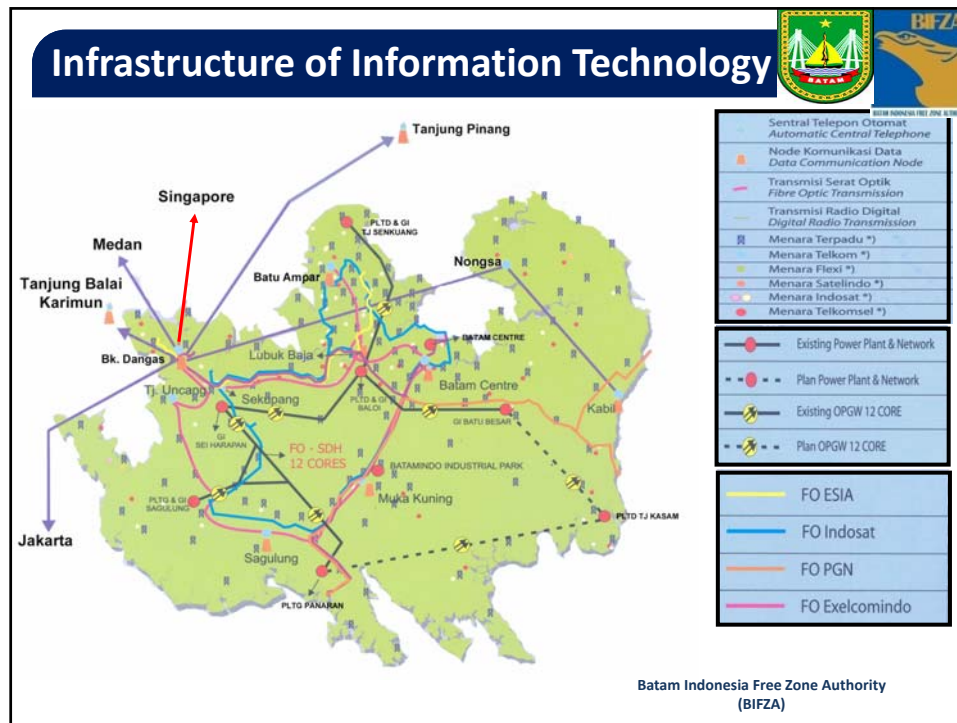
-Number Of Installation : 127 , 131 Installations

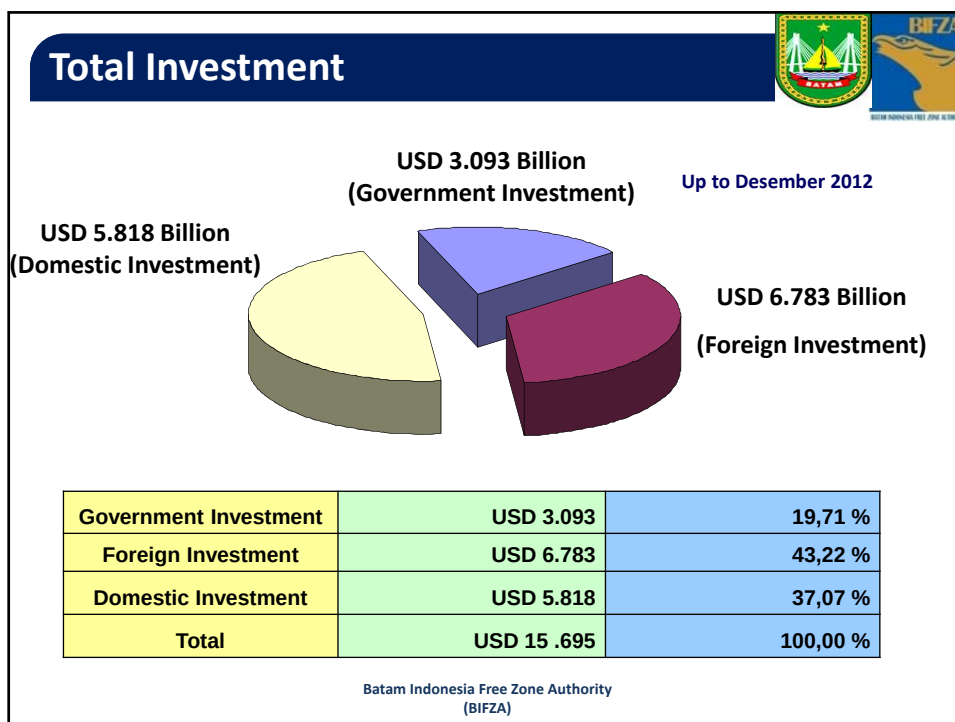
Facility of Waste Water Treatment Installation

-Domestic Capacity : 33 Litre / sec

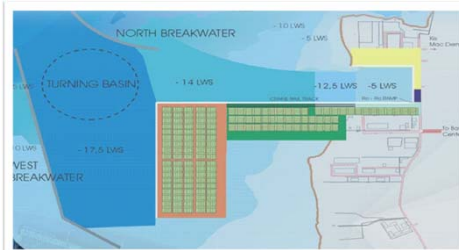
-Area of Industrial Toxic & Hazardous Wastes Treatment :19,7Ha

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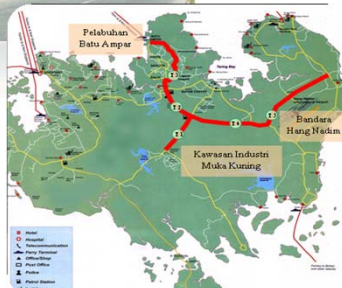
Batu Ampar Cargo Port



Data	Existing	Phase 1	Ultimate
Berth Capacity (DWT)			
- Ship (DWT)	35,000	6 th Generation	6 th Generation
- Container (TEUs)	90,000	2,000,000	4,000,000
Berth Length (m)	600	1800	3000
Basin Depth (mLWS)	6-12	17	17
Container Yard (m2)	60,000	180,000	650000

Foreign Investment in Batam : Prospects & Opportunities

Public Transportation and Toll Roads



Project Specification

Length : 25.00 km
 Design Speed : 80.00 km/h
 Number of Lane : 2x2 Lanes
 Lane of Width : 3.60 m
 Outer Shoulder Width : 3.00 m
 Inner Shoulder Width : 1.50m
 Median Width : N/A
 Right of Way : 40.00 m (min.)

Expected Time of Implementation

Project Preparation : 2010
 Tender : 2012
 Contract Signing : 2013
 Construction : 2013-2015
 Operation : 2016

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International Convention Centre









- Conferences : 50,000 m²
- Art & Cultural Performances
- Hotel (500 rooms)
- Visitor Centre
- Marina
- Parks

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Wastewater Treatment System

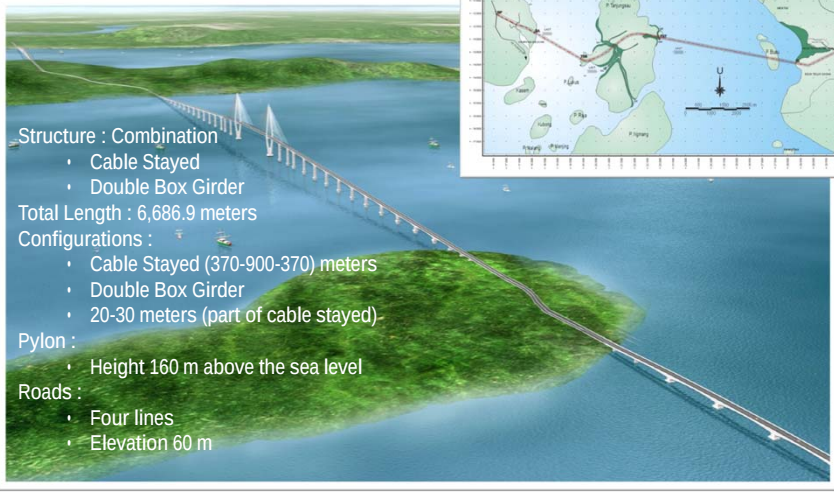





Current Waste Production	: 33 lt/sec
Ultimate Design	: 340 lt/sec
Location	: Batu Ampar / Nagoya / Sekupang

Batam – Bintan Bridge



Structure : Combination

- Cable Stayed
- Double Box Girder

Total Length : 6,686.9 meters

Configurations :

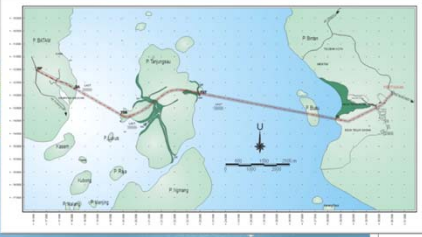
- Cable Stayed (370-900-370) meters
- Double Box Girder
- 20-30 meters (part of cable stayed)-

Pylon :

- Height 160 m above the sea level

Roads :

- Four lines
- Elevation 60 m

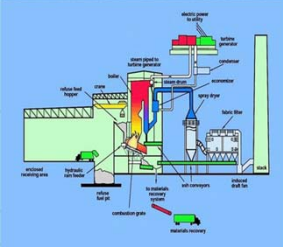


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MSW - WtE (Status: Bidding)




Parameter	Unit	Value
Location		Telaga Punggur
Technology		Insinerator with Stoker and Grate system Air-cooled or Water-cooled Condenser
Design and operational capacity	Ton per day	700 (year 1 to year 5) 1,050 (year 6 to year 25)
Nett Electrical Output	Minimum MW	10 (year 1 to year 5) 16 (year 6 to year 25)
Operational Time	hour per day	24
Equivalent availability factor (Actual operational time)	%	90
Construction Time	Year	2,5
Facility Life Time	Year	Minimum 35
Clean water system		Sea Water Reverse Osmosis (SWRO) or B to B with local water supplier

BATAM WASTE TO ENERGY PROJECT

Expectation of JCM-city-to-city cooperation



1. Batam mission: "clean, green, and smart city " as world class city
2. Learn and share from Asian cities as well as Japan (//Yokohama) city
3. Copy and implement low carbon technologies and marry to its necessary local (wises) modification
4. Start with emerging small project and expand its later on to other (sectors)
5. Make a priority and stage which give a big infact to reduce GHG as well as public facilities (MSW-WtE project, WWTreatment, tol road, bridge, harbour, airport, mass transportations, renewable energy, etc.)
6. Transfer knowledge for all through education, training, and capacity building
7. Facilitate and push to be good governance and good system to any country in Asia and in the World

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Making Cities More Sustainable in Asia (BridgingTheory and Practice)



Application Approaches for Development :

1. Make a necessary approaches (Science & Tech., Social, Economy and Politic)
2. Make a priority for implementing the projects
3. Build a partnership between stake holders/disciplines
4. Share experiences and transfer knowledges between the cities
5. List of potential resources (man, money, time frame)
6. Involve of necessary expert, and experienced cities
7. Creat a MP-Module Project based on local wisdom
8. Copy MP to other cities with/without modification

Batam Indonesia Free Zone Authority
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Thank You

Batam Indonesia Free Zone Authority
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Batam Municipality