



# **Investment Opportunities in Infrastructure in Da Nang City**

Da Nang Investment Promotion Agency  
*Oct 15, 2017*

## Project List



Lien Chieu Port



Da Nang Railway Improvement And Urban  
Redevelopment



Hoa Nhon Solid Waste Treatment  
Complex



Water Environment Improvement



## Development of Lien Chieu Seaport

Da Nang, Vietnam

### 1 Project objectives

- Develop Lien Chieu Port to be a specialized terminal to serve the Industrial Parks in Da Nang and surrounding areas
- Serve as a transit terminal along the East-West Economic Corridor linking Vietnam with Laos, Northeast Thailand and Myanmar

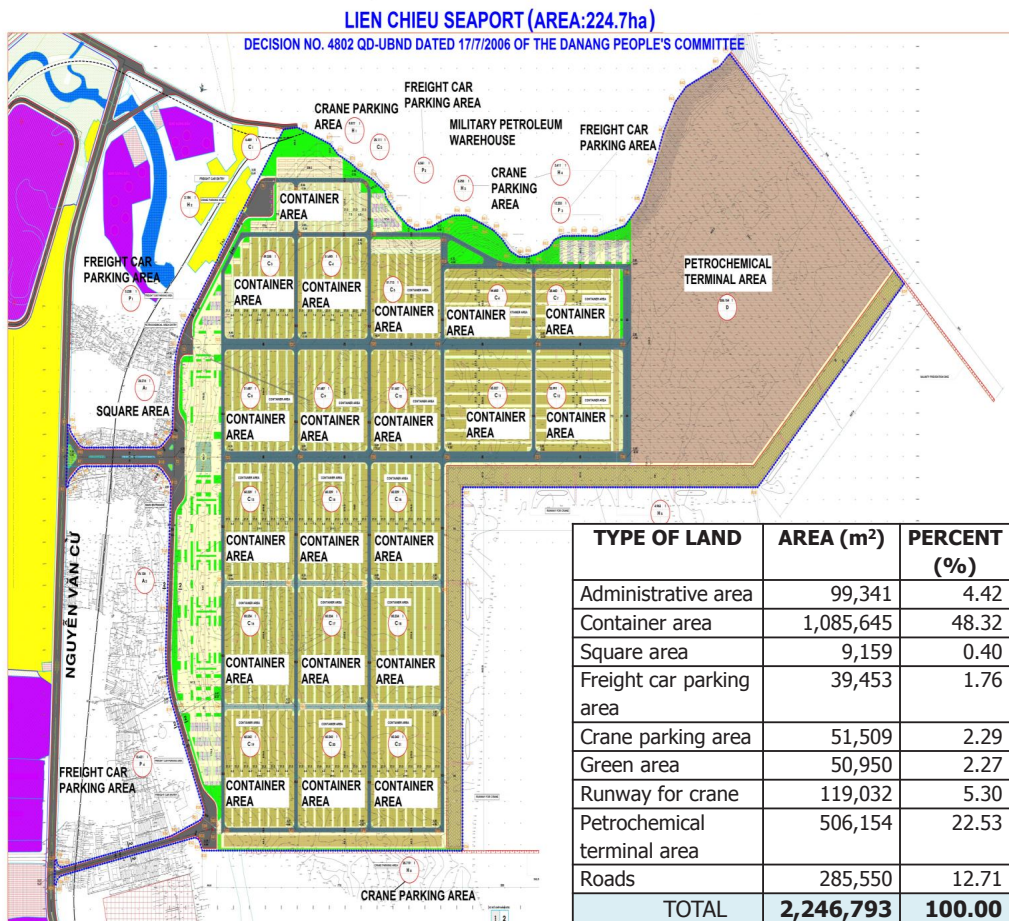




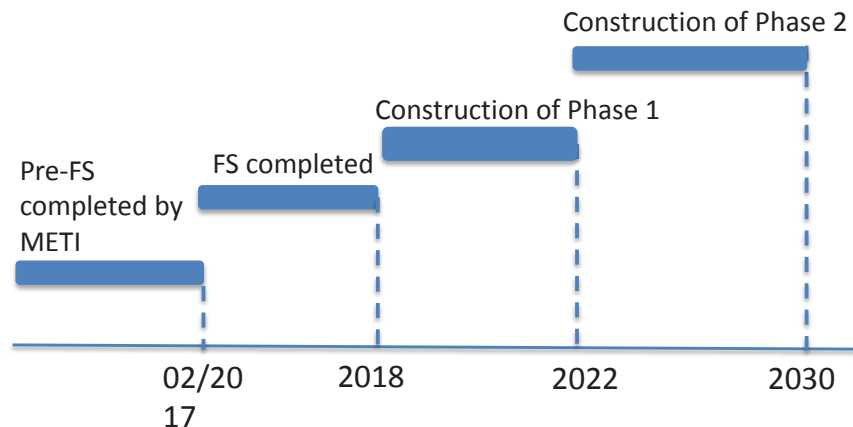
## 2 Location

### ■ Hoa Hiep Bac Ward, Lien Chieu District, Da Nang City

- 15km from Da Nang International Airport
- 25km from Tien Sa Port
- 17km from city center
- 12km from Da Nang Hi-tech Park
- 10km from Hoa Khanh Industrial Zone



## 3 Project Progress and Investment Capital



- ❑ **Investment Capital:** \$65,000,000
- ❑ **Investment Form:** PPP with ODA
- ❑ **Da Nang Department of Planning and Investment** is responsible for managing and monitoring the project

## 4 Proposed Construction Items

|                                       |  |
|---------------------------------------|--|
| Development of berths                 | <ul style="list-style-type: none"><li>• Number of berths: 02 berths of 600m long</li></ul>                                     |
| Development of embankment             | <ul style="list-style-type: none"><li>• Embankment behind berths</li><li>• Shore protection embankment</li></ul>               |
| Dredging                              | <ul style="list-style-type: none"><li>• Enable ships of 50,000 DWT to handle cargos</li></ul>                                  |
| Development of roads and yards        | <ul style="list-style-type: none"><li>• Develop flexible pavements</li><li>• Develop concrete spacers</li></ul>                |
| Development of other facilities       | <ul style="list-style-type: none"><li>• Warehouses, container yard, offices...</li></ul>                                       |
| Procurement of equipment & technology | <ul style="list-style-type: none"><li>• For loading, transport of bulk cargo, packaged cargo, freight and containers</li></ul> |



## Invitation for expression of interest

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- **Submission of Expressions of Interest**
  - Expressions of interest
  - Investor's profile
  - Notarized copies certifying similar projects implemented by the investor
- **Languages:** Vietnamese or English (attached the Vietnamese translation)
- **Receiving agency:** Da Nang Department of Planning and Investment



## Evaluation Criteria

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|   |  |
|---|--|
| Investment and operation capability     | <ul style="list-style-type: none"><li>• Summarizing investor's capacity in investment &amp; operation of seaports of the project scale</li></ul> |
| Investor's eligibility                  | <ul style="list-style-type: none"><li>• Having at least 01 similar project</li></ul>   |
| Standards and technologies              | <ul style="list-style-type: none"><li>• Presenting standards and technologies used in seaport operation</li></ul>                                |
| Financing plan                          | <ul style="list-style-type: none"><li>• Presenting the financial mobilization plan</li></ul>   |
| PPP model                               | <ul style="list-style-type: none"><li>• Making proposal on PPP model in investment, construction and operation of the project</li></ul>          |
| Business plan and financial performance | <ul style="list-style-type: none"><li>• Explaining the project's expected business plan and return on capital investments</li></ul>              |

# Da Nang Railway Improvement And Urban Redevelopment



## Project Overview

### Scope of Project

- Comprises 2 parallel projects:
  - Intercity rail relocation & station redevelopment
  - Municipal infrastructure and urban redevelopment

### Estimated investment capital

- US\$640,110,000

### Form of investment

- Public – Private Partnership and ODA

### Project duration

- 50 years

### Planned project site

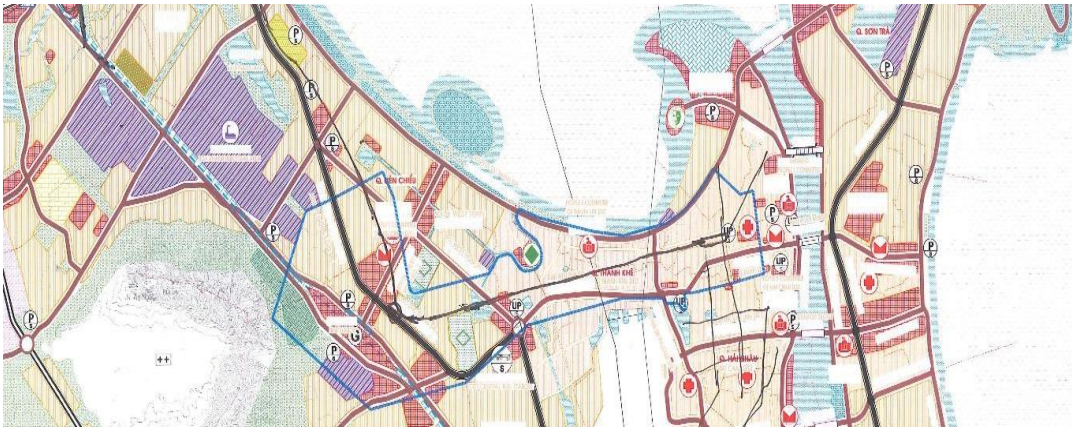
- Lien Chieu District, Da Nang City



## 2

# Project Objective

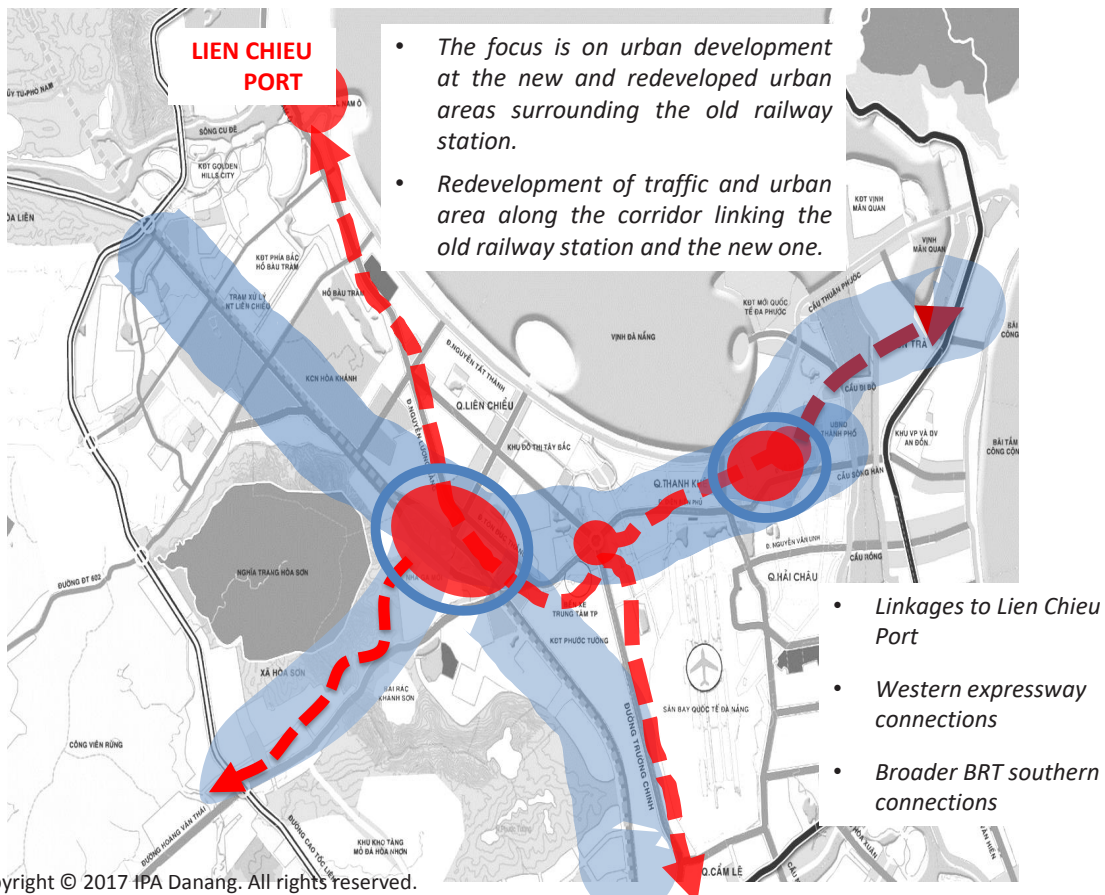
1. Relocate the Central Station to the railway mainline in the western part of the city;
2. Provide the new station with a high level of multi-modal access to adjacent development;
3. Redevelop the existing station area and surrounding urban areas according to the sustainable and transit-oriented development principles;
4. Connect Lien Chieu Port with the national railway system and the national highway, create driving forces for the development of the western and north-western areas of the city



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## 3

# Project Objectives

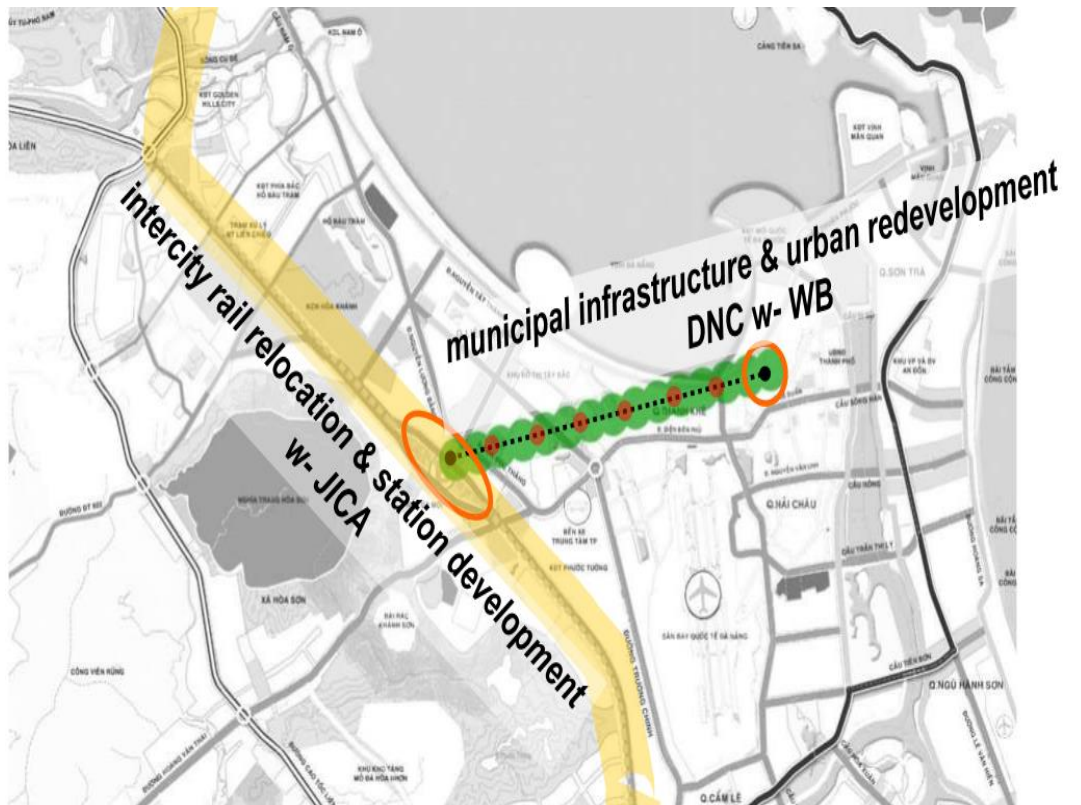


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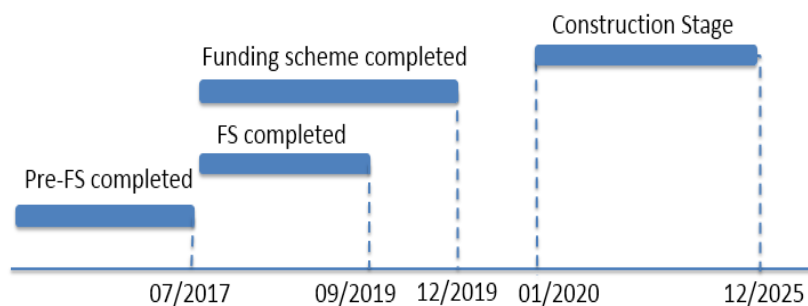
## Scope of project: Comprising 2 parallel projects



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## Project Progress and Investment Capital



| ITEM  | SOURCE OF INVESTMENT CAPITAL          | INTERCITY RAIL RELOCATION AND STATION DEVELOPMENT | MUNICIPAL INFRASTRUCTURE AND URBAN REDEVELOPMENT | TOTAL               |
|---|---------------------------------------|---|--|---------------------|
| Construction & Consulting cost                            | ODA                                   | \$193.05 mil                                      | \$207.12 mil                                     | \$400.17 mil        |
| Clearance, resettlement, project management & other costs | Vietnamese government reciprocal fund | \$101.39 mil                                      | \$138.55 mil                                     | \$239.94 mil        |
| <b>TOTAL INVESTMENT CAPITAL (USD)</b>                     |                                       | <b>\$294.44 mil</b>                               | <b>\$345.67 mil</b>                              | <b>\$640.11 mil</b> |

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## Project 1: Intercity Rail Relocation & Station Development

### Module 1:

- Construction of new railway (18.21km), renovation of 7km old railway, railway bridge over Cu De River
- Capital: **\$40.29 mil**

### Module 2:

- Construction of new passenger station (43.1ha), new cargo station (80.1ha), upgrade old cargo station (9.6ha)
- Capital: **\$44.6 mil**



### Module 3:

- Construction of railway overpass transport system and a tunnel passing through the station
- Capital: **\$76.46 mil**



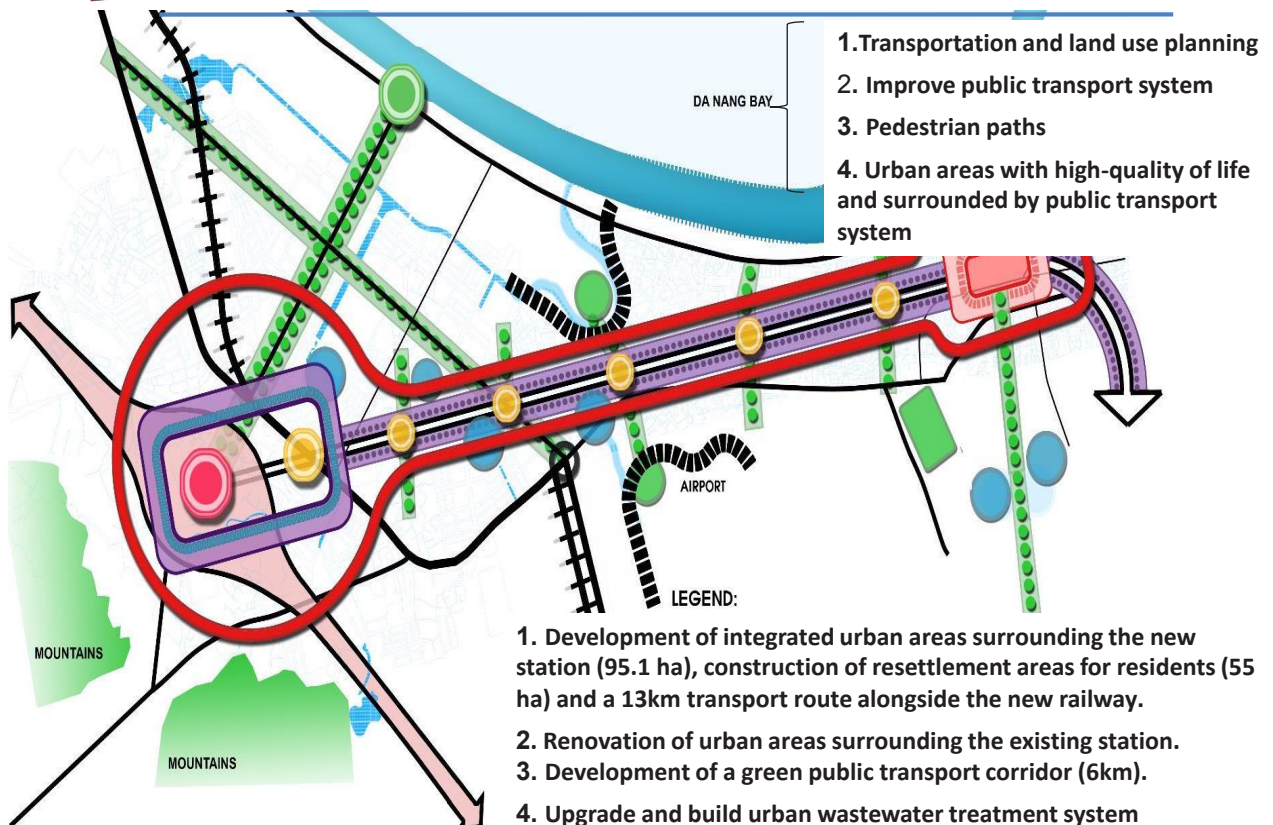
### Module 4:

- Project management technical assistance and capacity building.
- Capital: **\$5 mil**

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## Project 2: Municipal Infrastructure & Urban Redevelopment



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# Hoa Nhon Waste Treatment Complex

## Da Nang, Vietnam



## Project Overview

Estimated investment capital

- US\$97,000,000 (subject to change depending on proposal of investors in bidding documents)

Form of investment

- Public – Private Partnership

Waste Treatment Technology

- Proposed by investors in bidding document

Planned project site

- Land area of 120 ha in Hoa Nhon Commune, Hoa Vang District, Da Nang City

## 2

## Current situation of waste management



Household waste volume:  
882 tons/day



Waste Collection:  
750 tons/day

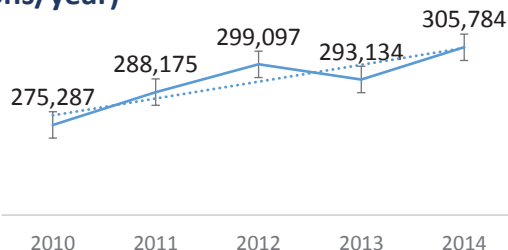


Collection Rate: 85%



In-charge Unit:  
URENCO

Annual Volume of Household Waste (tons/year)

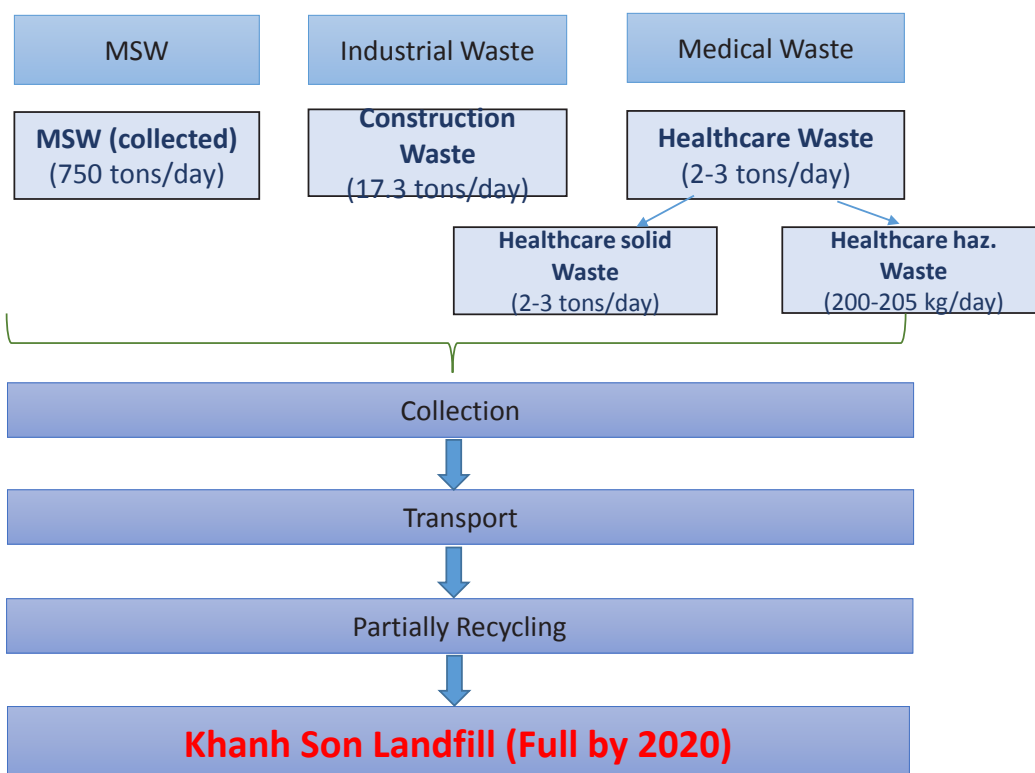


| No | Type of Waste | Rate (%) |
|----|---------------|----------|
| 1  | Organic       | 68.47%   |
| 2  | Plastic       | 11.36%   |
| 3  | Sand and dust | 6.75%    |
| 4  | Paper         | 5.07%    |
| 5  | Others        | 8.35%    |

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## 2

## Current situation of waste management



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### 3 Challenges of waste management

- On average, around **750 – 850 tons** municipal solid waste is collected in Da Nang per day. The current Khanh Son Landfill **will be full by 2020**
- MSW in Da Nang has a **high percentage of organic matters and high moisture** causing difficulties in collection, transportation, treatment and causing environmental pollution.
- There is an urgent **NEED** of having ***an appropriate solid waste management method***



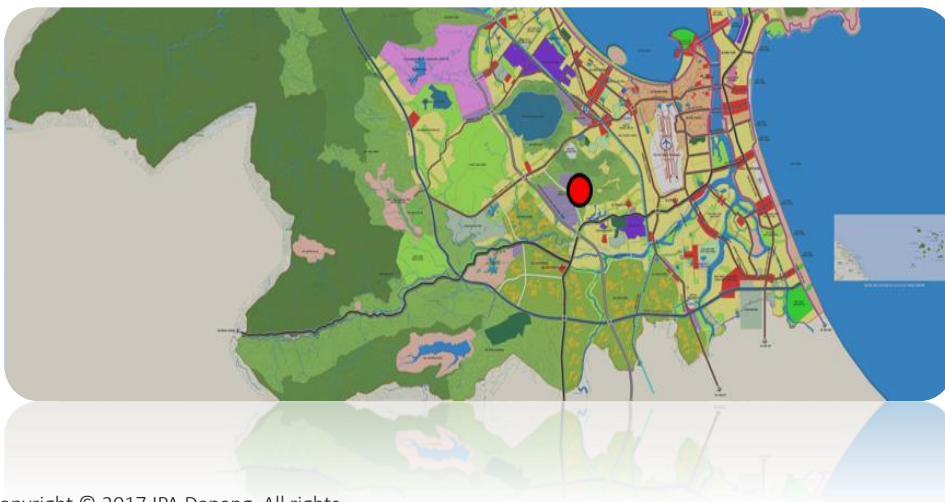
*Waste collection in Industrial Zone*



*Khanh Son Landfill*

### 4 Project Objective

1. *Improving solid waste treatment of Da Nang city; building a sustainable and hi-tech waste treatment plant with a capacity of 1,500 tons/day;*
2. *Finding an appropriate solution for waste treatment to replace Khanh Son landfill by 2020;*
3. *Reducing negative environmental impacts of solid waste in Da Nang, providing a foundation to meet the Da Nang 2030 targets on Solid Waste Management, with a vision to 2050.*

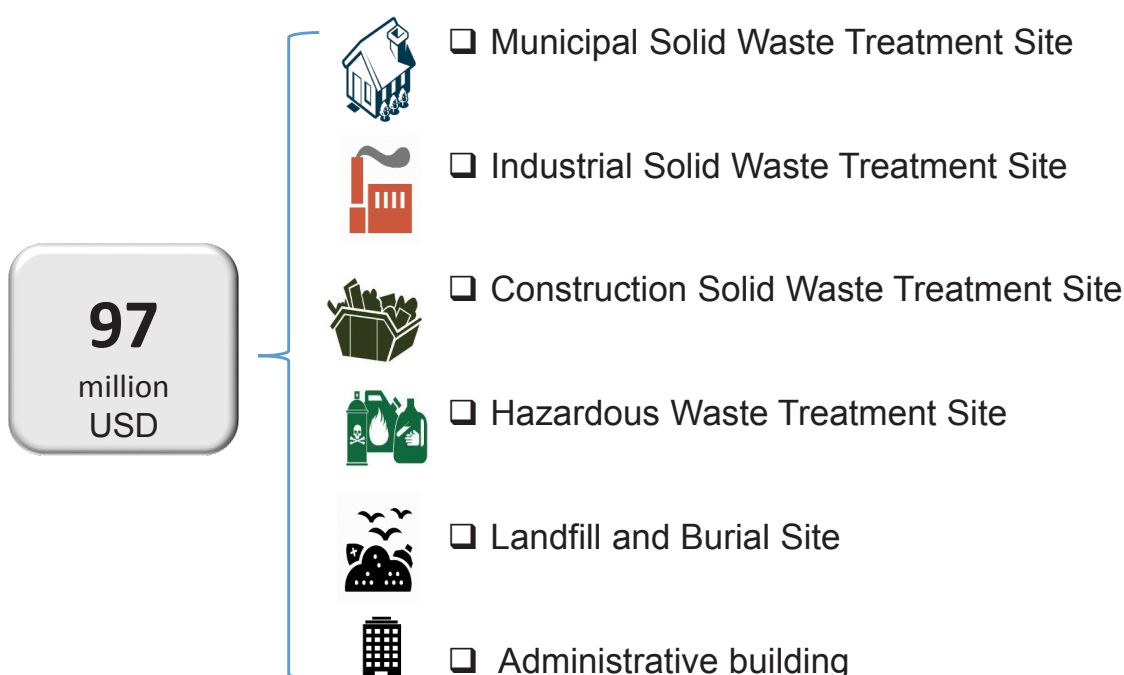


## 5 Location

- ❑ **Location:** Hoa Nhon Commune, Hoa Vang district
- ❑ **Size:** 120 hectares
- ❑ **Land use boundary:**
  - *East bordering:* Hills and mountains
  - *West bordering:* Electricity line 500kV
  - *South bordering:* 16.5 m planed Road B
  - *North bordering:* Hills and mountains
- ❑ **Distance to the city center:** 15km

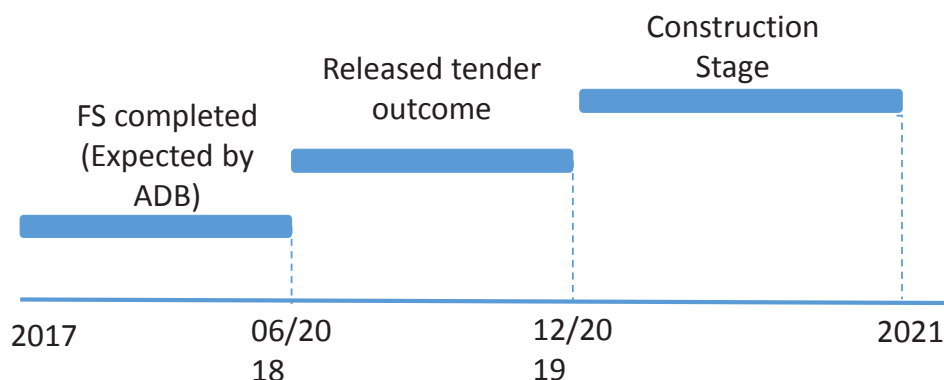


## 6 Scope of project: 6 modules





## Duration and Contact Information



- **Da Nang Project Management Unit for Investment in Infrastructure Construction and Urban Development** is responsible for managing and monitoring the project.

- **Contact information:**  
bqlhtptdt@danang.gov.vn

Email:

Tel: 02363 833793

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## Governmental Support for Investment



### Offering 'ONE-STOP SHOP' services in:

- Da Nang Department of Investment and Planning: responsible for project information, procedure of submission of interest,...



### Investment incentives:

- 100% Exemption of land rent for environmental projects (*applicable only to domestic enterprises*)
- For large investment projects, the city government will have appropriate support mechanisms such as land rent exemption, reasonable investment return of private capital,...



# Water Environment Improvement

## Da Nang, Vietnam



### Project Overview

Project Name

- Water Environment Improvement Project

Estimated investment capital

- US\$160,000,000

Duration

- 2016-2023

Location

- Son Tra, Hai Chau and Thanh Khe District



## 2

# Project Objectives

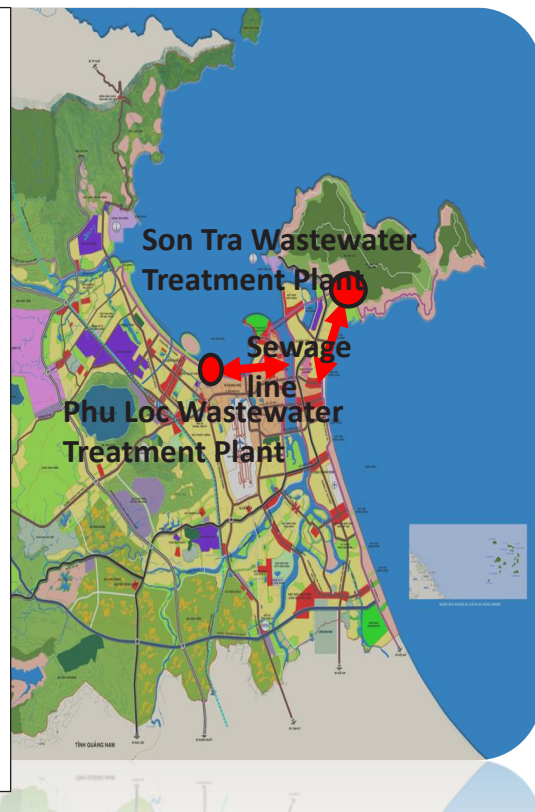
- Enhancing the capacity of wastewater treatment in Da Nang city;
- Constructing and improving the quality of wastewater treatment facilities;
- Contributing to the sustainable development of the city.



## 3

# Project Location

- ❑ **Location:** The Eastern and Northern part of Son Tra district, Hai Chau district, Thanh Khe district, Da Nang
- ❑ **Four scopes:**
  - Investing in the construction of 5.5 km of sewage lines with the diameter of D1.800mm-D2.200mm in the Eastern part;
  - Upgrading the Son Tra Wastewater Treatment Plant;
  - Investing in the construction of about 4.1 km of sewage lines with the diameter of D800mm - D1.200mm in the Northern part;
  - Upgrading the Phu Loc Wastewater Treatment Plant



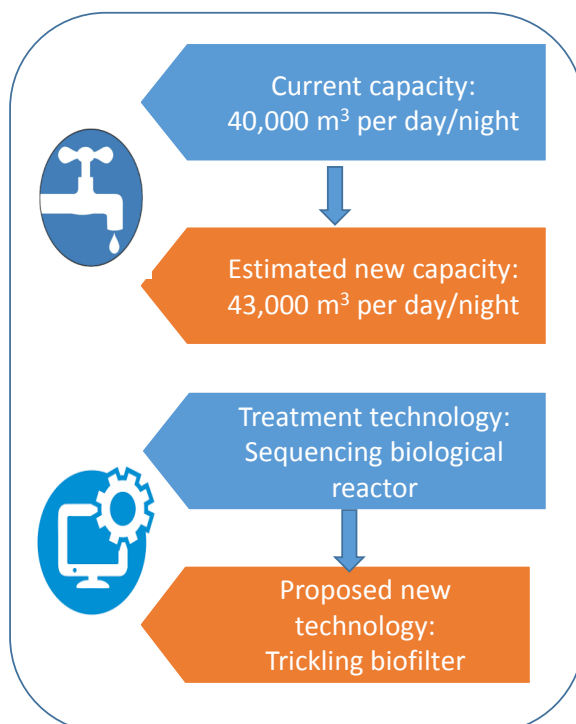
## 4

## Current Wastewater Treatment Plants

|                                       | Phu Loc Wastewater Treatment Plant | Son Tra Wastewater Treatment Plant |
|---------------------------------------|------------------------------------|------------------------------------|
| Existing land area                    | 45,000 m <sup>2</sup>              | 29,000 m <sup>2</sup>              |
| Estimated land area for the new plant | 22,500 m <sup>2</sup>              | 20,000 m <sup>2</sup>              |
| Land use ratio                        | 50%                                | 60%                                |

## 4

## Phu Loc Wastewater Treatment Plant



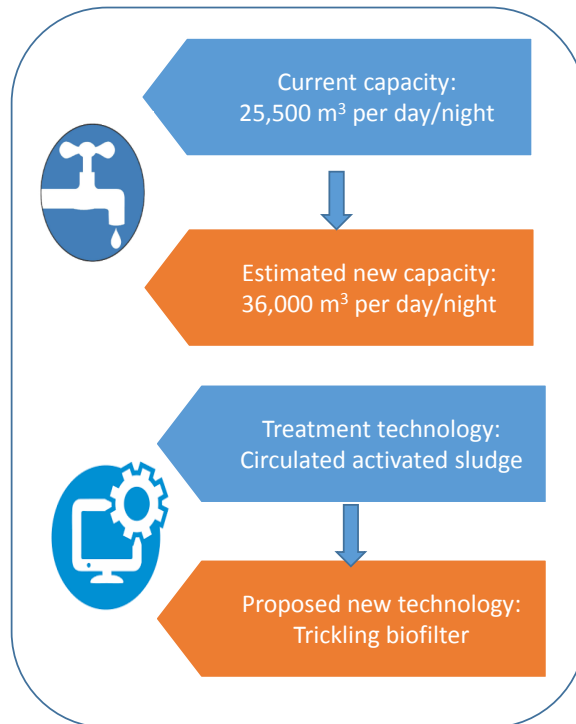
**Phu Loc Wastewater Treatment Plant**

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## Son Tra Wastewater Treatment Plant



**Son Tra Wastewater Treatment Plant**



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## Governmental Support for Investment



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## **Da Nang Investment Promotion Agency**

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