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History

• Feasibility Study and Site Selection completed in 2007

• Emiri Decree for Steering Committee mandated issued in 2007

• Design, Environmental and Program Management Consultants awarded in November 2008

• Emiri Decree for Land Ownership issued in 2009

• Masterplan approved in 2009

• Masterplan 1st update in 2010 including Naval Base and Economic Zone 3 Canal

• First Main Contract award in January 2011 to China Harbour (basin, quay walls, land fill, and inner breakwaters)

• Masterplan 2nd update in 2011 including multiple optimizations

• Second Main Contract award in 18 March 2012 to Middle East Dredging Company (MEDCO) (access channel dredging and outer breakwaters construction)
Project Features

• A leader in state-of-the-art technology reflect the Culture & Heritage of State of Qatar

• Accommodates growth to 2030 and beyond.

• Connects with to internal Qatar rail and GCC rail.

• Container capacity of 2 million TEU/year by 2016 with possibility to 6 million TEU/year by 2030.

• Three container terminals, each container terminal will be 1.2 kilometers in length.

• Reflects the country’s unique identity and culture through architectural design and environmental
Project Scope

**Project elements:**

1. The New Port,
2. The new Naval Base for the Qatar Emiri Naval Forces and

**Budget and Area:**

- Total estimated budget is 27 billion QAR
- Total area is 26.5 square kilometers.
Project Projection on Doha

State of Qatar

New Port Project - Steering Committee

Tender Committee Technical Committee

Client Project Team (CPT)

Environmental Consultant

Engineering Design Consultant

Programme Management Consultant

Consultants & Contractors
1. New Port

Key Figures:

- World-class deep-water port - 17 m CD
- The total area of the new Port is 22 square kilometers.
- The port basin will be approximately 3.8 kilometers in length and 700 meters wide.
- In total 63 million cubic meters of sand and rock will be excavated from the basin.

Access channel:

- Over 10 kilometers long
- 300 meters wide
- 15 meters deep
- 40 million cubic meters of sand and rock will be dredged from the main channel.
Container throughput projections
2. New Base - Qatar Emiri Naval Forces

The Government of Qatar is also planning a new base for the Qatar Emiri Naval Forces located adjacent to the New Port:

• The base will serve as the headquarters of the QENF Special Forces and the QENF Training School.

• Includes a helicopter airfield.

• Covers an area of 4.5 square kilometers east of the New Doha Port.

• Accommodates vessels of Qatar Emiri Naval Forces, Special Forces and visiting naval forces.

• The basin will be:

1.3 kilometers long, up to 500 meters wide and up to 12.5 meters deep.
3. Canal of Qatar Economic Zone 3

The new Economic Zone 3 is envisaged to become an integrated economic development area that utilizes Qatar’s resources in a sustainable manner, bringing added value to Qatar’s Economy. The New Port project will construct the canal and access channel.

- Industrial canal covers an area of two square kilometers north of the New Port.
- The access channel will be 7 kilometers long.
- Basin is over 1.5 kilometers in length.
- Over 7 million cubic meters of sand and rock will be excavated to form the basin.
- Fosters ecological recreational areas within the vicinity.
- Accommodates marine industries to support the emerging business activities in the maritime sector.
**Packages**

*More than 30 packages including:*

- **Civil works:**
  
  Excavation, Dredging and Reclamation (127 million m³), Breakwater (5 km), Quay Walls (10 km).

- **Infrastructure**
  
  Electrical, Potable Water, Sanitary Sewer & Storm Water

  Roads: 26 km Port – 28 km Navy.

- **Buildings**
  
  Port. 70,000 (67)

  Naval Base, 300,000 (190)

- **Ports Equipment**
  
  Quay cranes, yard cranes, cargo handlers & loaders.
First Awarded Construction Package
Port Basin and Inner Breakwater Excavation

**Details:**
Contract with China Harbour Engineering Company (CHEC) signed on 13 Mar 2011
Contract Amount: 3.2 Billion Qatari Riyals
Start Date: 24 Jan 2011
End Date: 06 Aug 2015

**Scope:**
Excavation (and landfill) of 63 million m$^3$ material
Construction of 10 km quay wall

**Current Status:**
- Since January 2011, 8 million m$^3$ of rock and sand excavated.
- Administration offices constructed; more than 300 pieces of heavy equipment delivered to site.
- Initiated the construction of quay walls
Second Awarded Construction Package
Access Channel Dredging and Outer Breakwaters Construction

Details:
Contract with Middle East Dredging Company (MEDCO) signed on 18 Mar 2012
Contract Amount: 4.5 Billion Qatari Riyals
Start Date: 18 Mar 2011
End Date: 16 Jan 2016

Scope:
• Dredging of access channel, 10 km long, 300 m wide, 15 m deep
• 45 million m³ material (incl. rock)
• Land fill and 4.5km² reclamation
• Construction of a 3.1km breakwater and 10km revetment.

Current Status:
• Kick-off meeting held on 22 March 2012.
• Mobilizing equipment
Next Construction Packages

New Port Project:
- Container Terminal Infrastructure & Utility Buildings
- Container Terminal Buildings
- Commercial Terminal Infrastructure & Utility Buildings
- Commercial Terminal Buildings
- Primary Electrical Supply
- Coast Guard Base
- Port Administration & Government Offices Infrastructure & Buildings
- Port Marine Services Area Infrastructure & Buildings

Qatar Emiri Naval Base
- QENFB Quay Wall and Basin Revetments
- QENFB Infrastructure and Utility Buildings
- QENFB Buildings
- QENFB Access Bridge
- QENFB Security Facilities

Industrial Canal – Economic Zone 3
- QEZ3 Canal Dredging/ Excavation, Quay Walls Construction, Inner Revetments, and Site Formation, Access Channel Dredging, Breakwaters, Aids to Navigation
Tender Principles

Four Procurement Routes being used:

- Open Tender
- Restricted Tender
- Expression of Interest
- Prequalification

- Process involves Client/Consultant Team, Technical and Tender Committees
- Tenders consist of separate Technical and Commercial Submissions
- Tenders reviewed against pre-approved evaluation procedures
- Evaluations undertaken by joint Client/Consultant Team under strict confidentiality
- Technical Evaluation Report is approved by Technical and Tender Committees
- Only technically compliant tenders progress to Commercial Evaluation
- Commercial Evaluation Report is approved by Tender Committee
- Recommendation to Award is approved by Tender Committee, Steering Committee, Prime Minister and Ministry of Finance
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Legend:
- Design
- Procurement
- Construction
# Program EZ3 and Naval Base

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- Blue: Design
- Green: Procurement
- Red: Construction
Photo’s of site construction 1/3

Port basis excavation by China Harbour (60 million m³)
Photo’s of site construction 2/3

• Port basin dewatering pumps and channel

• Concrete block batching plant
Photo’s of site construction 3/3

Ground improvement works
The Access Channel
The First Commercial Vessel in Hamad Port
Um Alhoul Special Economic Zone (QEZ3) Basin
December 2015
Questions?
Thank You