### **Qatar Gas Transport Company Ltd. (NAKILAT)**

## Company Presentation

September 2010



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Qatar Gas Transport Company Ltd.

### Agenda:

- Importance of LNG to the State of Qatar;
- Overview of Nakilat;
- Facilities Development;
- Ship Repair & Conversion (Phases 1 and 2);
- Offshore Structures Fabrication & Maintenance (Phase 3);
- Small Ship Construction (Phase 4);
- Repair of small ships (Phase 5);
- Production of Small Luxury Yachts (Phase 6);
- Timeline.

## Qatar Gas Transport Company Ltd. (NAKILAT) Company Presentation

# Importance of LNG to the State of Qatar

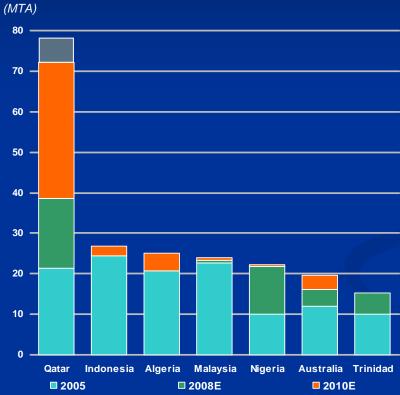


#### **Qatar in the Context of Global LNG Markets**

The Importance of LNG to the State of Qata

Becoming the Dominant Player in the Rapidly Growing LNG Industry





Qatar is One of the World's Largest LNG Producers

Source: Energy Information Administration, International Energy Outlook.



### The Qatar LNG "Integrated Chain"

The Qatar LNG Stor



#### Strong "Sponsorship" of the Entire Chain from the State of Qatar



Upstream

 QP and partners to produce 77 MTA of LNG from the North Field





Midstream / Shipping

 QP and partners to ship much of their LNG via ships they control under long-term charters





Downstream / Regas

 QP and partners have ownership interests in regasification terminals around the world



Marketing

 QP and partners sell LNG globally via longterm contracts with creditworthy offtakers





Upstream Shareholder Offtakers











## Shipping Infrastructure is the Lifeblood of "Qatari LNG Inc"

77 mtpa of LNG Shipping critical to Qatar 500 round-trip journeys annually, 12 to 14 million tons of LPG each round trip averaging over Essential infrastructure annually 15,000 km Global supply function Over 7 million km p.a. 750,000 barrels/day of Optimal configuration vital Condensate total Small savings = big \$'s Over 150 world

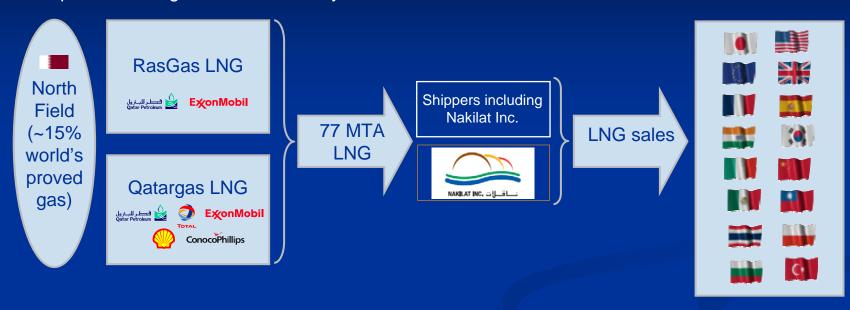
Qatari LNG (and Income) Integrated into Global Energy Grid via Ship Infrastructure



#### **Snapshot of Nakilat**

Overview of OGTC and Nakilat

Transportation Integral to Qatar's Ability to Connect Massive Gas Reserves to Market



- LNG critical to Qatar Petroleum (QP) and State of Qatar (SOQ)
- RasGas and Qatargas ventures vital to QP and international oil company (IOC) partners
- Transportation integral to connecting gas reserves and infrastructure to market
- QGTC established to play a key role in shipping for Qatari LNG projects



## Qatar Gas Transport Company Ltd. (NAKILAT) Company Presentation

### **Overview of Nakilat**



## Nakilat: Created to Own & Operate the Qatari LNG Fleet

#### **Nakilat Profile**

- Established in 2004 as part of the overall Qatari LNG strategy
- Successful IPO in February 2005
  - Restricted to Qatari nationals
  - Provided avenue for citizens to participate directly in Qatari LNG business through share purchase

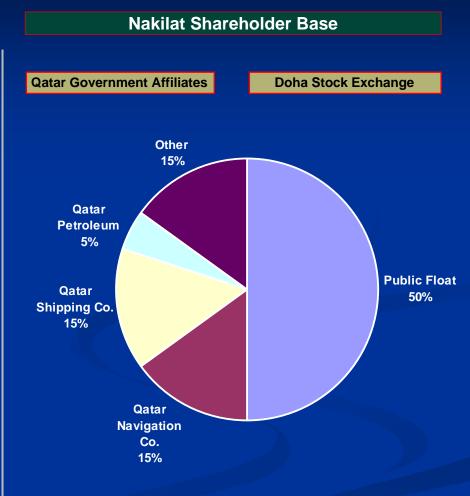
#### **Nakilat's LNG Shipping Activities**

**Part QGTC Ownership** 

100% QGTC Ownership

- > 29 LNG Carriers
- Partnered with international shipping companies
- 25 LNG Carriers
- Charterers: QGII / QG3 / QG4 / RG3

- 4 LPG Carriers
- > 24 Tugs / Workboats



### **Nakilat – Corporate Vision:**

Nakilat vision is "To be the world's leading owner and operator of vessels for the transportation of LNG and associated products, and the provider of choice for ship repair and construction services, as measured by customer satisfaction; financial profitability and growth; operational efficiency; and high standards of safety, health and environment".



#### **Nakilat – Mission Statement:**

To maximize shareholder value by:

- Optimizing investment in our core businesses of transporting LNG and associated products, through stringent cost control, effective risk management and innovative financing.
- Establishing "centres of excellence" for the repair and maintenance of very large LNG carriers and other vessels, and for the construction of small, high value ships, thereby providing further assets for the State of Qatar.
- Providing fully integrated logistics support to vessels.
- Identifying and capturing synergies.
- Recruiting, developing and retaining the highest quality personnel in the industry.





#### **Delivering the Program – State-of-the-Art Ships**

Overview of OGTC and Nakilat

Classification Society Approved Design Offers Material Operating Advantages





#### Q-Flex / Q-Max Shipping Cost Advantaged

- Reliquefaction prevents boil-off gas (BOG) loss
  - Increases overall sales volume
- Transport cost savings ~30%
- Cost reduction on QGII, QG3, QG4, RGII/3
  - Gross saving of ~\$13 billion over 25 years

#### Economies of Scale Realized Through Chain

- Lower per unit capital costs
- Higher per unit operating efficiency
- Faster loading / discharge rates
- Elimination of lost sales due to reliquefaction
- More efficient Diesel propulsion

#### Key Technologies on the QGTC Fleet of Q-Flex and Q-Max Ships

#### "Gaz Transport" Membrane

- Increased shipyard capacity
- Reduced Suez Canal fees/costs
- Reduced wind resistance

#### **Enhanced Reliquefaction System**

- Propulsion separate from BOG
- Maximizes delivered cargo
- BOG converted to liquid

#### **Advanced Propulsion Technology**

- Diesel engines
- Thermal efficiency
- Twin screw configuration
- Superior fuel efficiency

Significant Savings on Transport Cost for Charterers



### Other Nakilat Joint Ventures Companies

- Nakilat Switzer
  - Towage Contract in Ras Laffan (operating 24 vessels)
- Nakilat Agency Company
  - Agency services for all vessels calling in Ras Laffan
- Nakilat-Keppel Offshore & Marine
  - Operating the Ship Repair Yard in Ras Laffan
- Nakilat Damen Shipyards Qatar
  - Operating the Ship Construction Facility in Ras Laffan
- Gulf LPG
  - Operating 4 LPG Vessels

## Qatar Gas Transport Company Ltd. (NAKILAT) Company Presentation

## **Facilities Development**



## **Construction & Maintenance of Marine & Offshore Structures:**

Nakilat and QP have defined a six-phase strategy to develop facilities for the construction and maintenance of a wide range of marine and offshore structures:

Phase	Activities / Facilities
Phase 1	Repair and conversion of very large ships (e.g. LNGCs, VLCCs)
Phase 2	Repair of medium-sized ships (e.g. 20,000 dwt to 80,000 dwt)
Phase 3	Fabrication and maintenance of offshore structures (and components for land-based petrochemical plant) (Feasibility Stage)
Phase 4	Construction of high-value small ships (< 120m LoA)
Phase 5	Repair of small ships (< 20,000 dwt) (Engineering Stage)
Phase 6	Production of FRP vessels (Engineering Stage)

### **Overview of Strategy:**

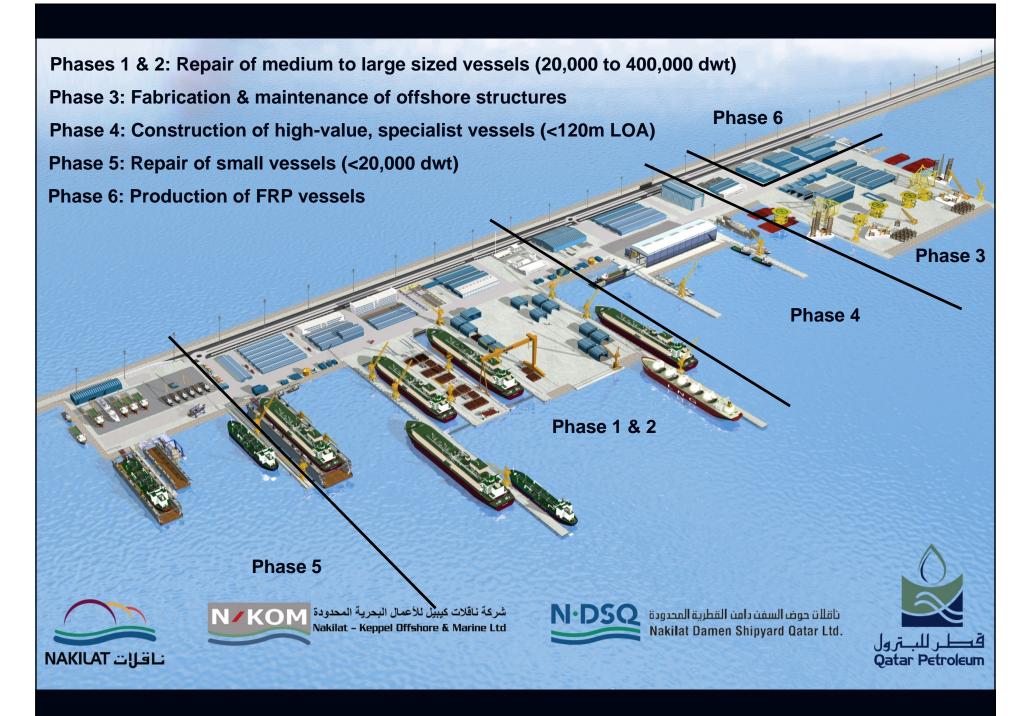












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Phase 3 Phases 1 & 2 Phase 4 Phase 6 Phase 5 Aerial view of Phases 1 to 6 (22 August 2010)



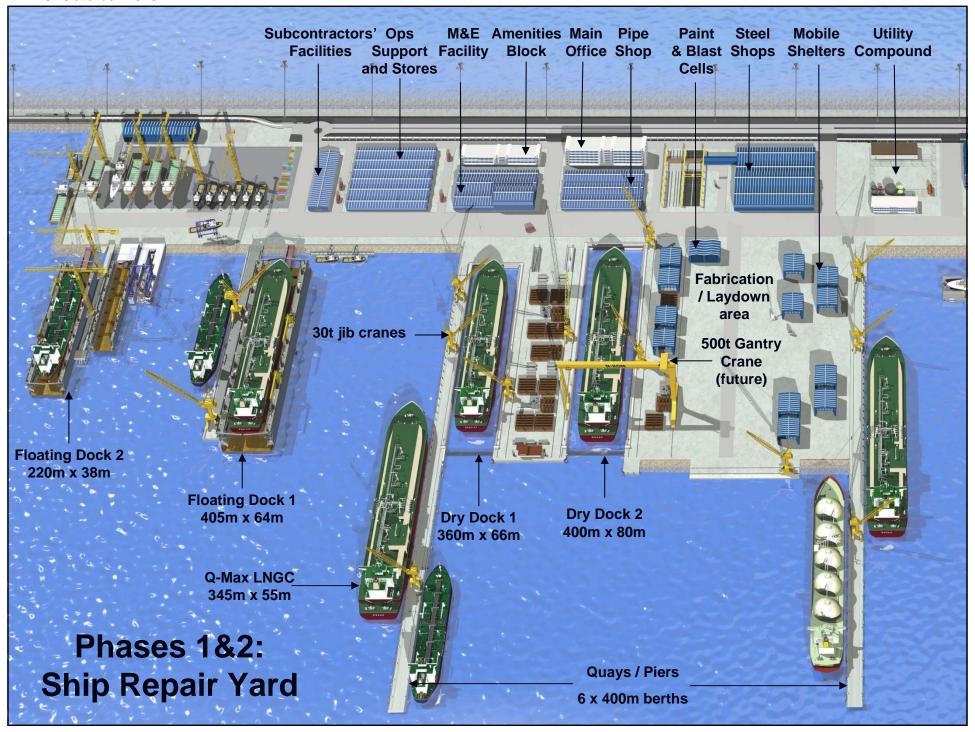
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# Phases 1 & 2 Ship Repair Yard



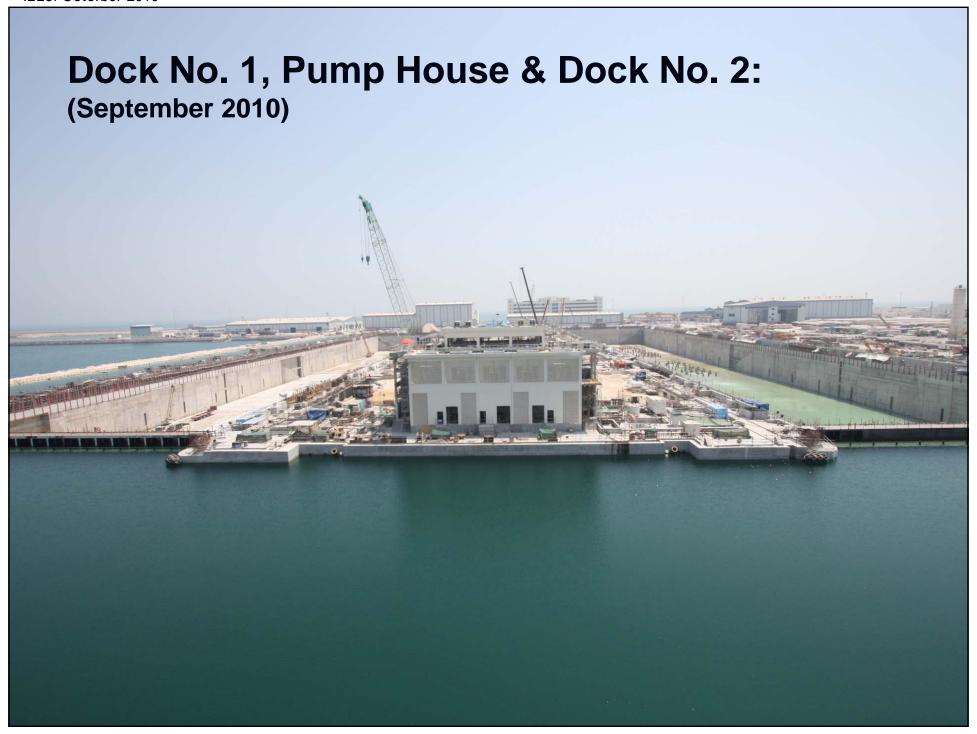
### Phases 1 & 2: Repair + Conversion of Large / Medium Vessels















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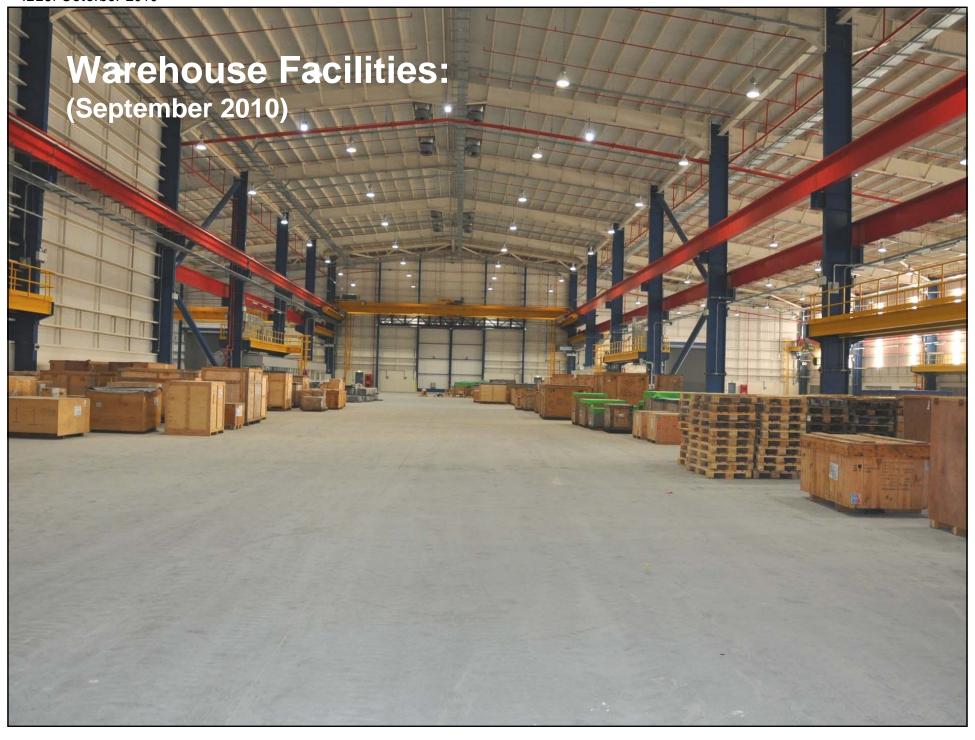


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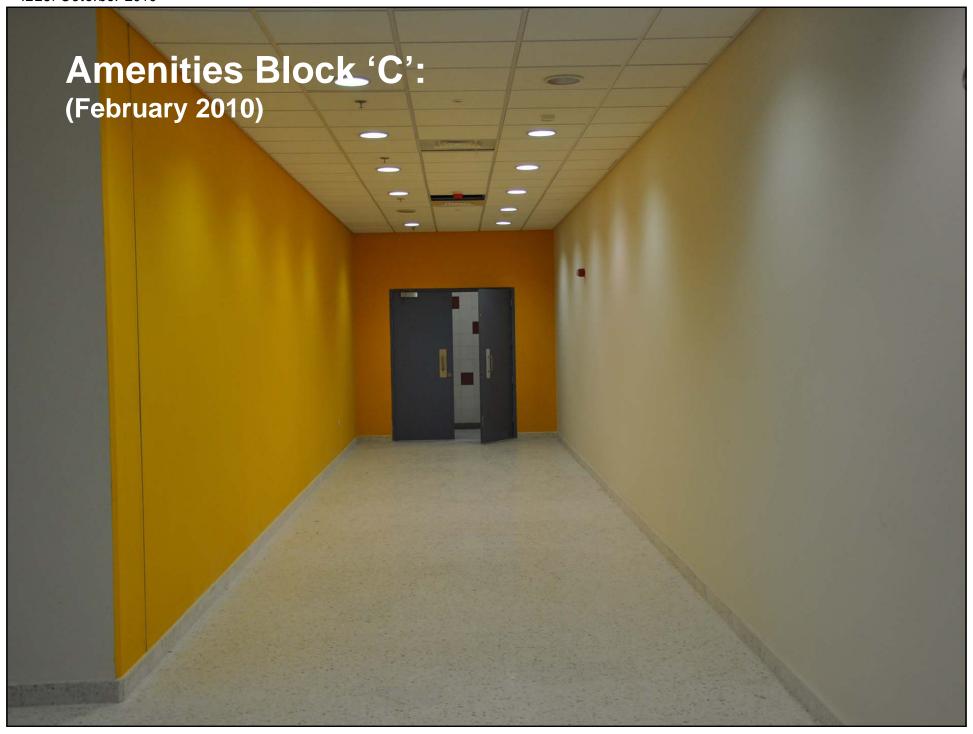
















## Phase 3 Offshore Structures Fabrication



#### Phase 3: Fab<sup>n</sup> & Maintenace of Offshore Structures



#### **Potential Products – Phase 3:**









# Phase 4 Ship Construction – Small Vessels



#### **Phase 4: Construction of Small Ships**



#### **Commercial Vessels:**









#### **Coastal Defence Vessels:**









#### **Custom Luxury Yachts:**

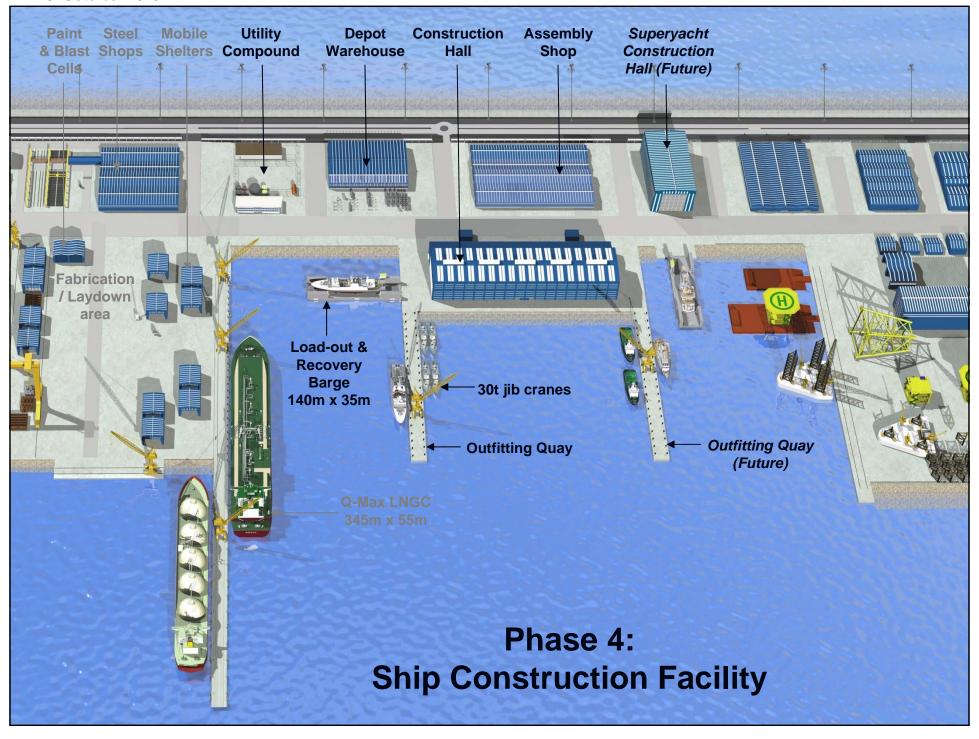






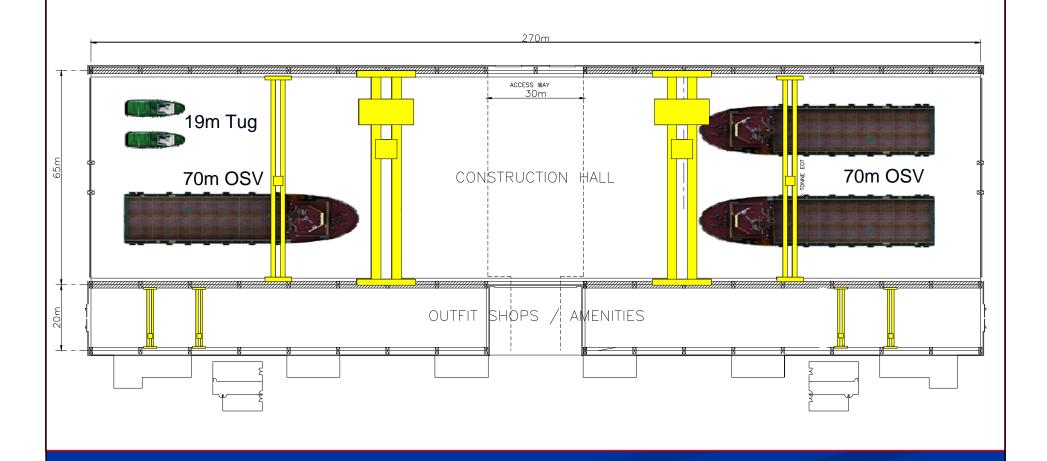


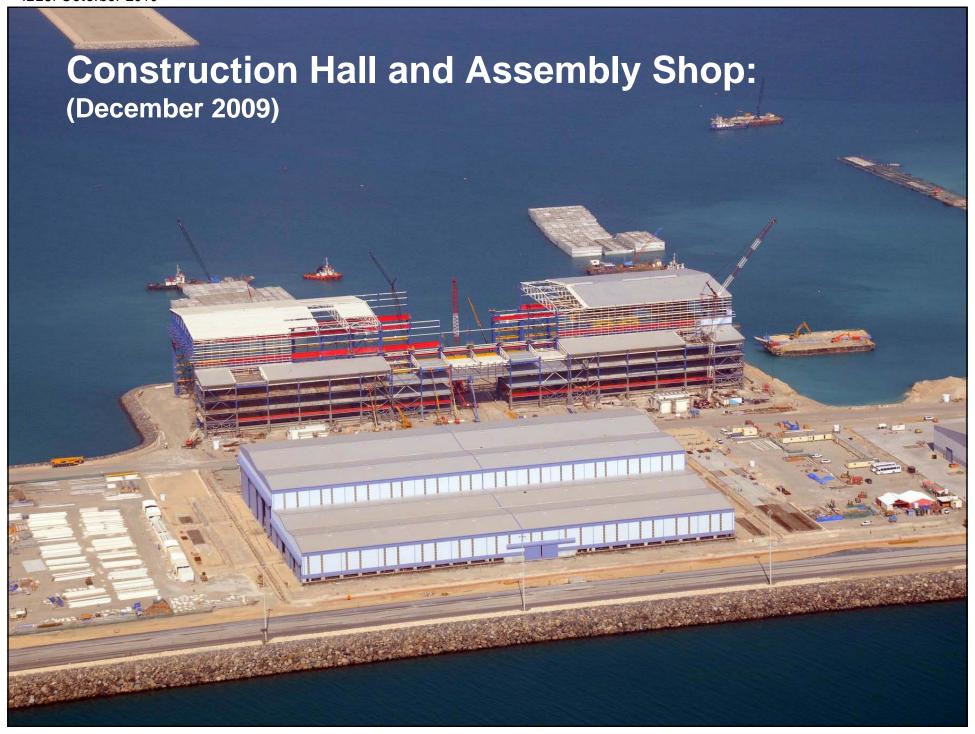
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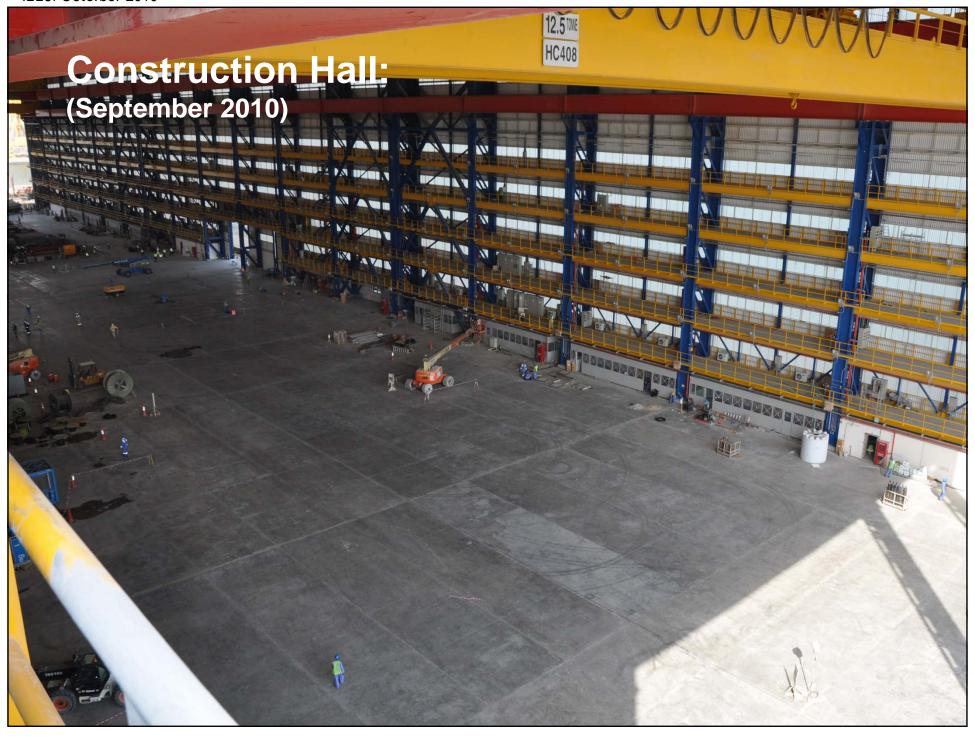


#### **Construction Hall:**



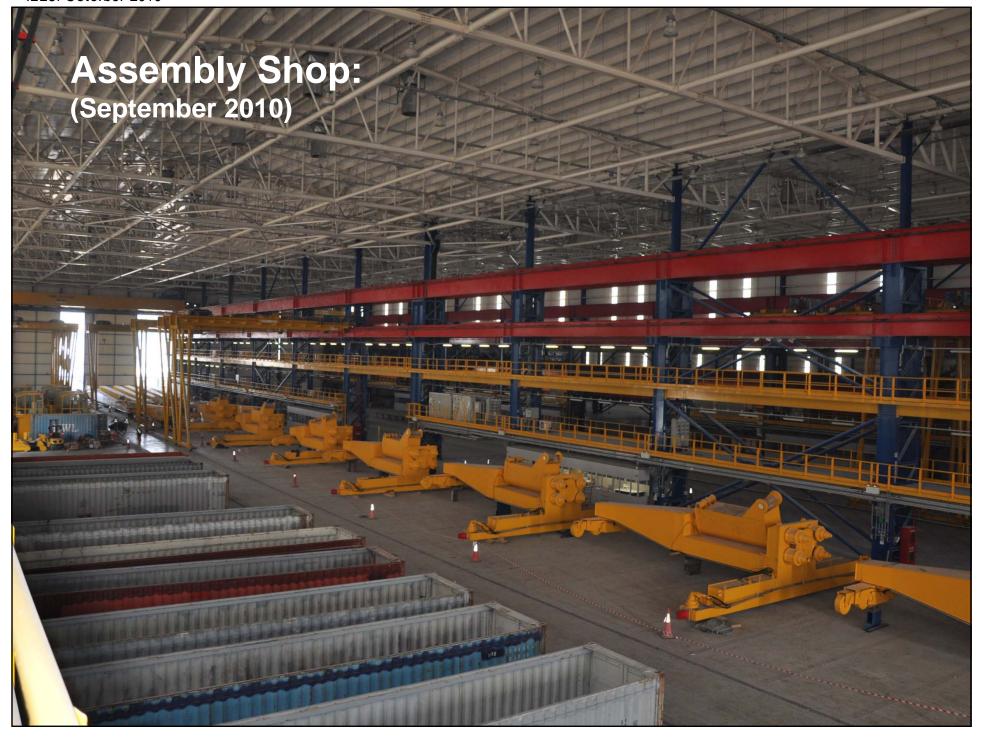








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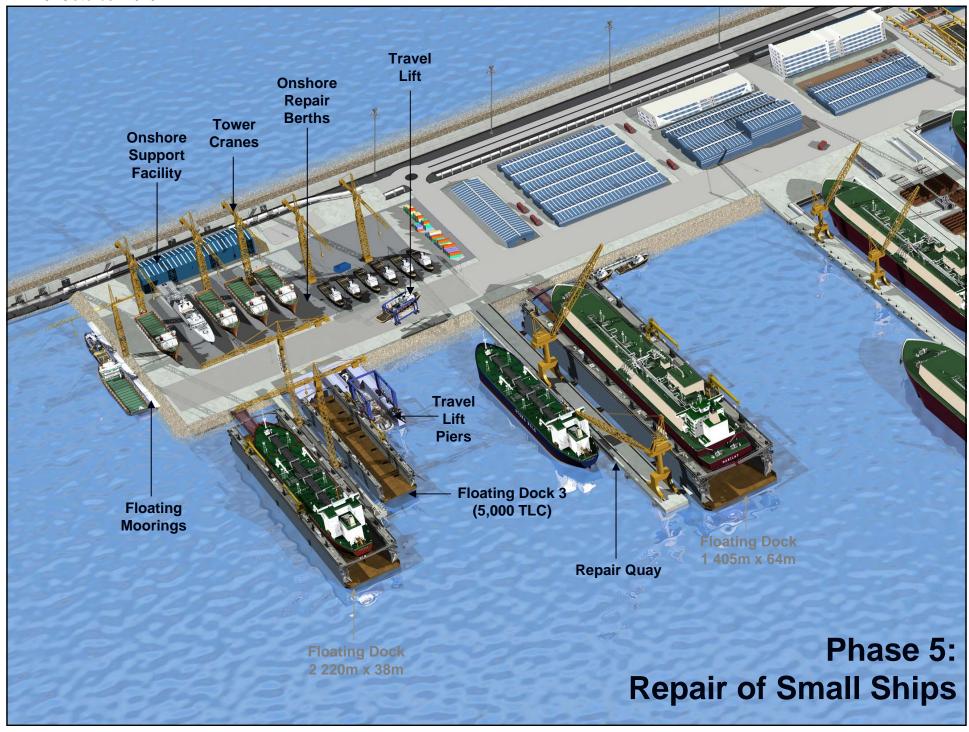
# Phase 5 Ship Repair – Small Vessels



#### Phase 5: Repair of Small Ships



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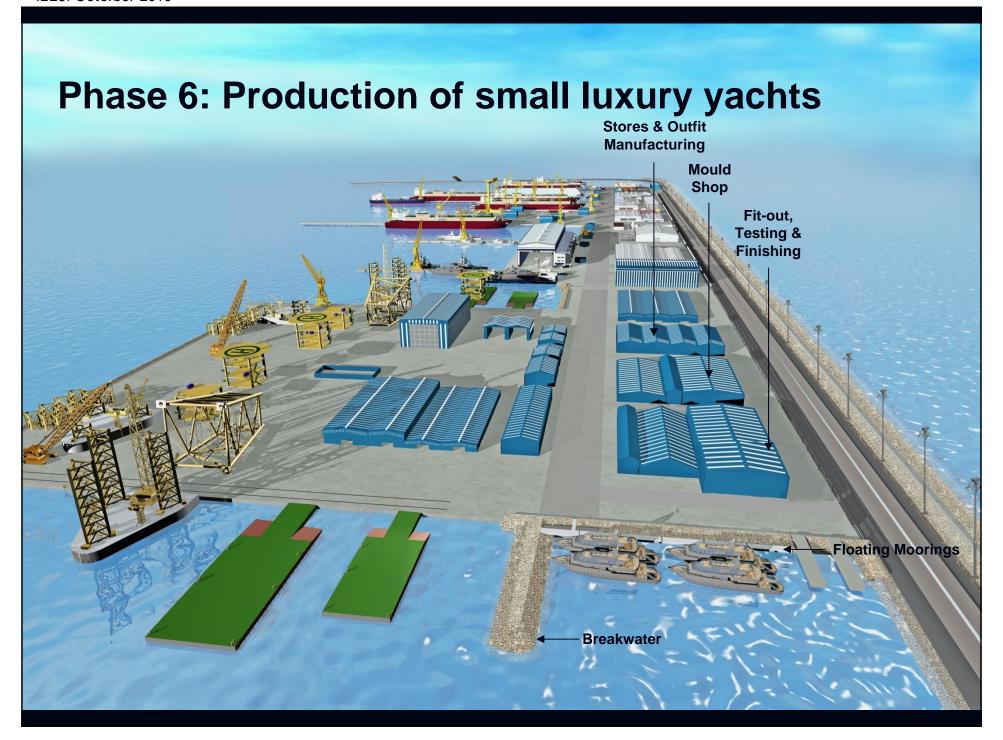
# Phase 6 Production of Small Luxury Yachts



#### **Phase 6: Production small luxury yachts**







#### **Timeline**



#### **Timelines:**

Phase	Start of Operations (Current status)
Phases 1 and 2	Q3 2010
Repair of Medium / Large Ships	(Under construction)
Phase 3	TBD
Offshore Structures Fabrication and Maintenance	(Feasibility stage – on hold)
Phase 4	Q1 2010
Ship Construction	(Under construction)
Phase 5	Q4 2011
Repair of Small Ships	(Engineering stage)
Phase 6	Q2 2012
Production and Repair of FRP Vessels	(Partner selection)



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