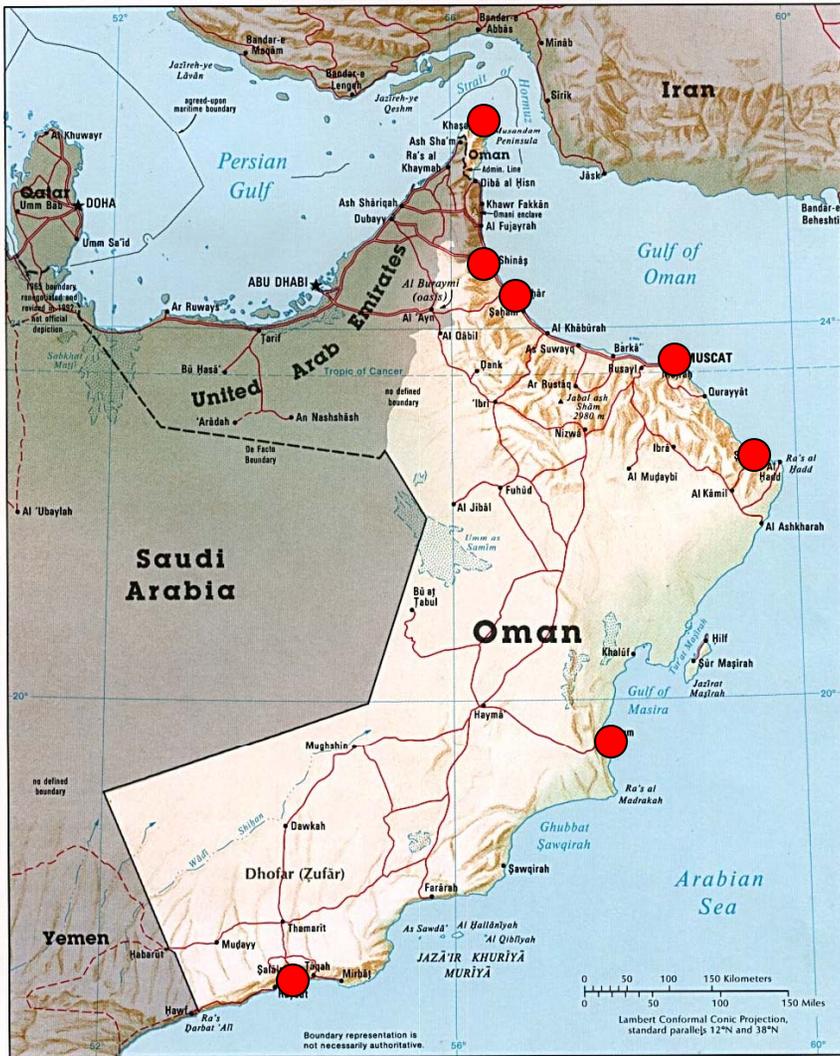


# Ports of Oman



# Ports of Oman - Introduction



## 8 Major Ports of Oman

- Port Sultan Qaboos
- Port of Salalah
- Port of Sohar
- Port of Khasab
- Port of Shinas
- Port of Duqm
- Mina Al Fahal
- Qalhat LNG

# History of Oman Ports



For centuries, Oman's Ports have sheltered and traded with ships from all over the world. Strategically located between the great civilizations of **Babylonia, Egypt, Africa, India and the Far East,**



Omani ports rose to prominence in the **10th century** when Omani merchant fleets traded as far away as **China.**



During the reign of Sayyid Sultan bin Ahmed in the 18th century, Oman's trading activity again increased. With the accession of **HM Sultan Qaboos bin Said** a new era of maritime commerce and prosperity started in Oman.

# Port Sultan Qaboos - Introduction



## 8 Major Ports of Oman

- Port Sultan Qaboos
- Port of Salalah
- Port of Sohar
- Port of Khasab
- Port of Shinas
- Port of Duqm
- Mina Al Fahal
- Qalhat LNG

# Port Sultan Qaboos



- Area

Total area	-	26.7 km <sup>2</sup>
Land	-	1.2 km <sup>2</sup>
Sea	-	25.5 km <sup>2</sup>
- Length of Quay

2592 meters  
13 Berths (Commercial & Government)
- Break water Length

Total length	-	506 m
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- Depth of Water below Chart Datum

Approach channel	-13 meters
Quay	-13 meters

# Port Sultan Qaboos

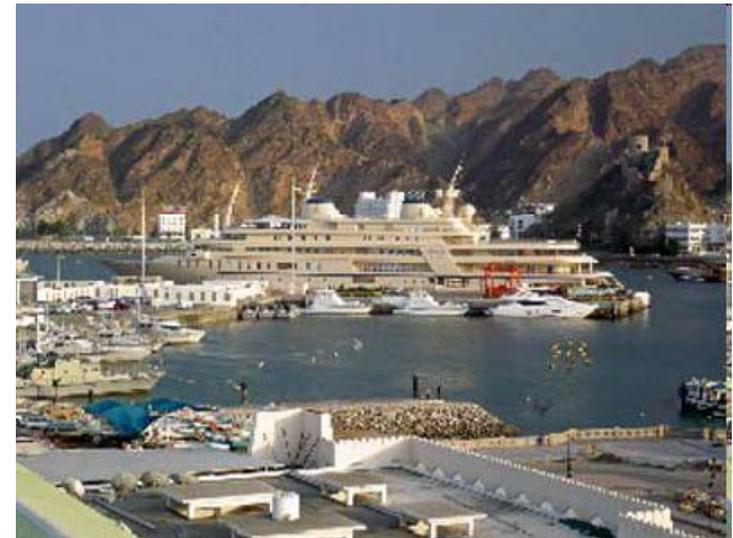


## ■ Berth Details

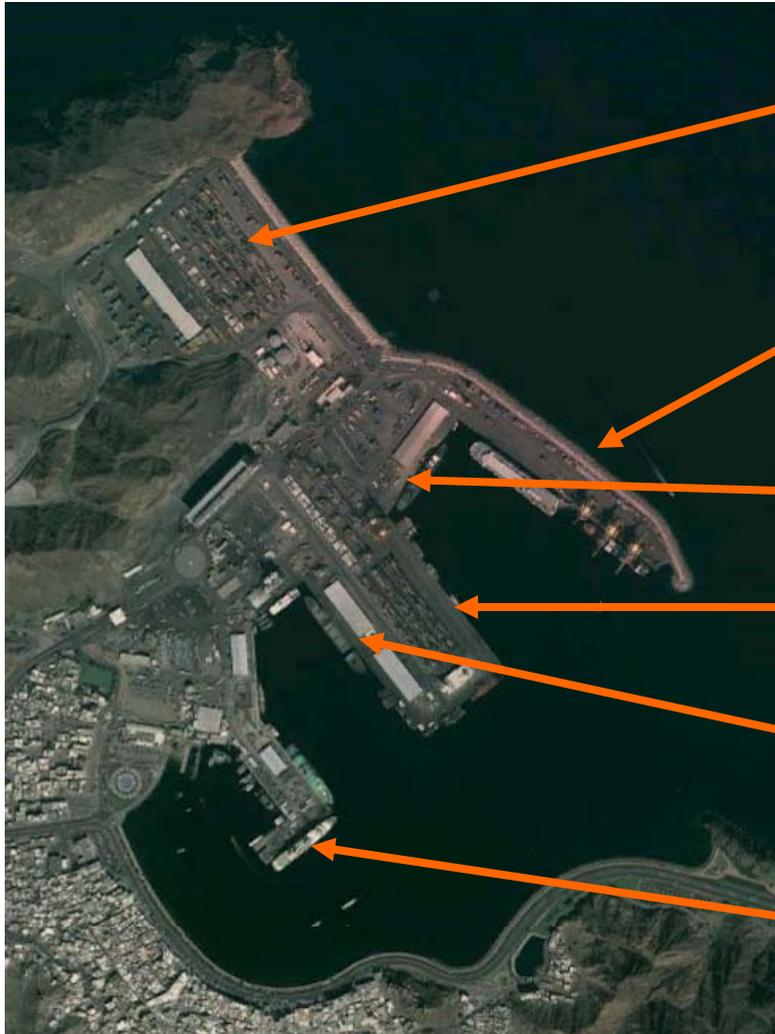
<u>Berths</u>	<u>Cargo</u>	<u>Length</u>	<u>Draft</u>
1-2	Multipurpose	470 m	- 13 meters CD
3	Bulk & General	228 m	- 11 meters CD
4-5	Container	366 m	- 10.9 meters CD
6	Cruise Terminal	198 m	- 9.6 meters CD
7-8	Bulk & General	366 m	- 9.6 meters CD
9	Ferry & Port Use	122 m	- 4 meters CD
10-13	Government Use	-	-

## ■ Capacity

300,000 TEU  
7 million FRT



# Port Sultan Qaboos



Port of Sultan Qaboos Plan View

Container Stacks

Multipurpose

Bulk and General

Container Berths

Bulk & General Berths

Royal Yacht Berth

# Port Sultan Qaboos



## ■ Equipments

- 5 QGC
- 13 RTG
- 4 Tugs
- 31 RS/EH/FL/TL
- 6 Mobile Cranes



## ■ Reefer Containers

312 plugs points



# Port Sultan Qaboos



- Other facilities at the port include

Passenger & cruise terminal

Duty free shopping

Grain silos

Cement silos

Bitumen storage

Tank farm for bunker

Diesel tank



# Port of Salalah - Introduction



## 8 Major Ports of Oman

- Port Sultan Qaboos
- **Port of Salalah**
- Port of Sohar
- Port of Khasab
- Port of Shinas
- Port of Duqm
- Mina Al Fahal
- Qalhat LNG

# Port of Salalah



- Area

Total Area - 10.71 km<sup>2</sup>  
Land area - 4.76 km<sup>2</sup>  
Sea area - 5.96 km<sup>2</sup>



- Length of Quay

4462 m  
19 Berths



- Breakwater Length

Total length - 2825 m

- Depth of Water below Chart Datum

Approach channel -18 m  
Quay up to -18 m



# Port of Salah



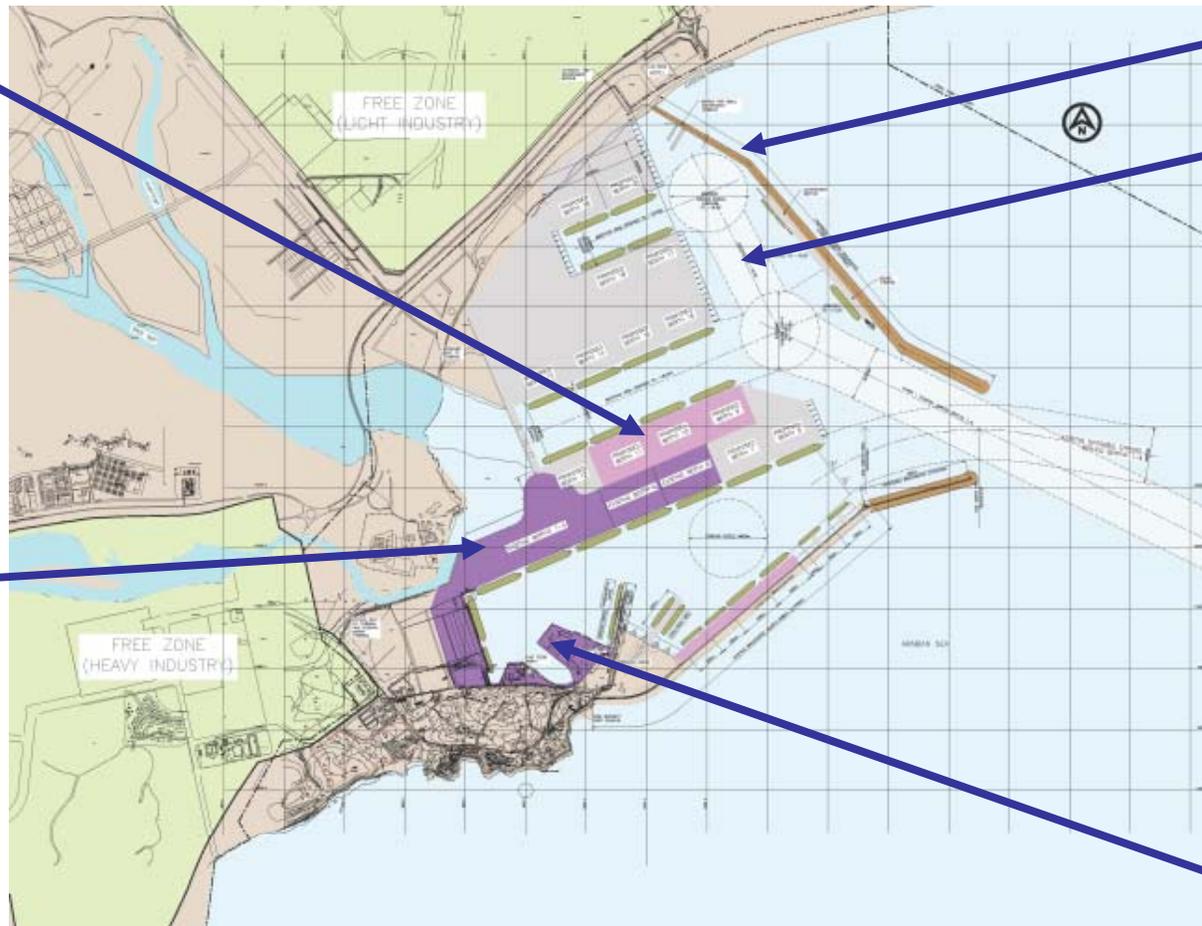
## Port of Salah Masterplan

Future  
Expansion Plan  
Berths 7, 8, 9

Future Lee Breakwater

Future Second Basin

Container  
Terminal



General Cargo  
Terminal

# Port of Salalah



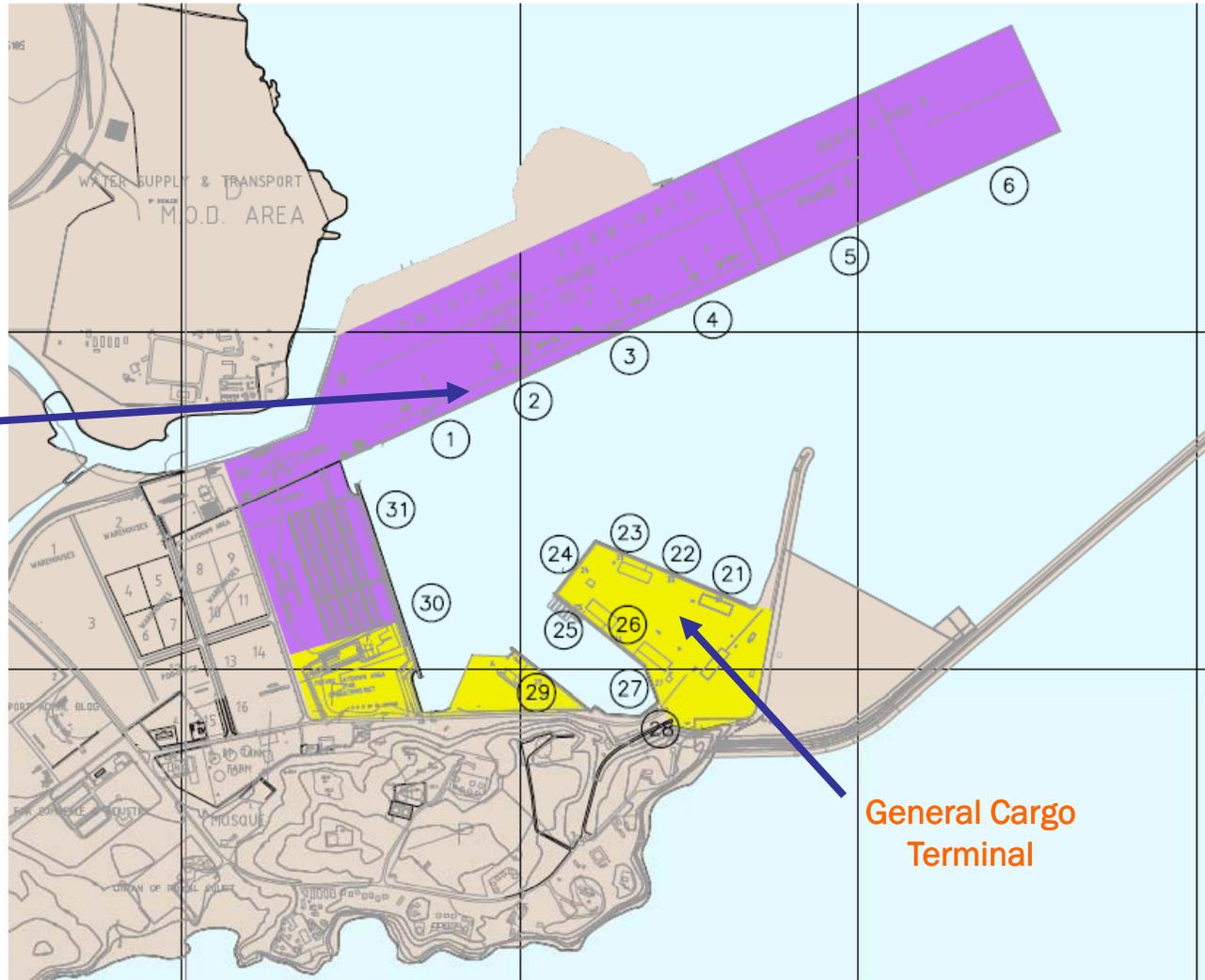
## Existing Berth Details

Berths	Cargo	Length	Draft
1-4	Containers	1228 m	- 16 m CD
5-6	Containers	900 m	- 18 m CD
31	Containers	300 m	- 16 m CD
21-23	General	519 m	- 10 m CD
24	General	200 m	- 8 m CD
25-28	General	518 m	- 5 m CD
29	General	290 m	- 3 m CD
30	General	300 m	- 16 m CD
Oil jetty	General	130 m	- 10 m CD
Ramp	General	45 m	- 3 m CD

# Port of Salalah



Container Terminal



Existing Berth Layout

General Cargo Terminal

# Port of Salalah



- Capacity

- 5 million+ TEU
  - 10 million FRT

- Equipments

- 25 Super Post Panamax Gantry Cranes
  - 69 Rubber Tired Gantry Cranes (RTG'S)
  - 2 4850 HP Tugs
  - 2 3600 HP Tugs
  - 9 Reach Stackers
  - 8 Empty Handlers
  - 170 Yard Tractors

- Reefer containers

- Over 980 points.



# Port of Salah



- Other facilities at the port include  
Cruise terminal under construction  
Grain silos  
Cement silos



# Port of Sohar - Introduction



## 8 Major Ports of Oman

- Port Sultan Qaboos
- Port of Salalah
- **Port of Sohar**
- Port of Khasab
- Port of Shinas
- Port of Duqm
- Mina Al Fahal
- Qalhat LNG



# Port of Sohar



## ▪ Berth Details

<u>Berths</u>	<u>Cargo</u>	<u>Length</u>	<u>Draft</u>
2 No.	Containers	520 m	-16 m CD
8 No.	Containers (future)	2750 m	-18 m CD
2 No.	General	700 m	-16 m CD
6 No.	Liquid	1560 m	-16 m CD
1 No.	Government & Services	560 m	-8 m CD

## ▪ Equipments

4	Quay Cranes
8	Gantry Cranes
300	Refer points

## ▪ Capacity

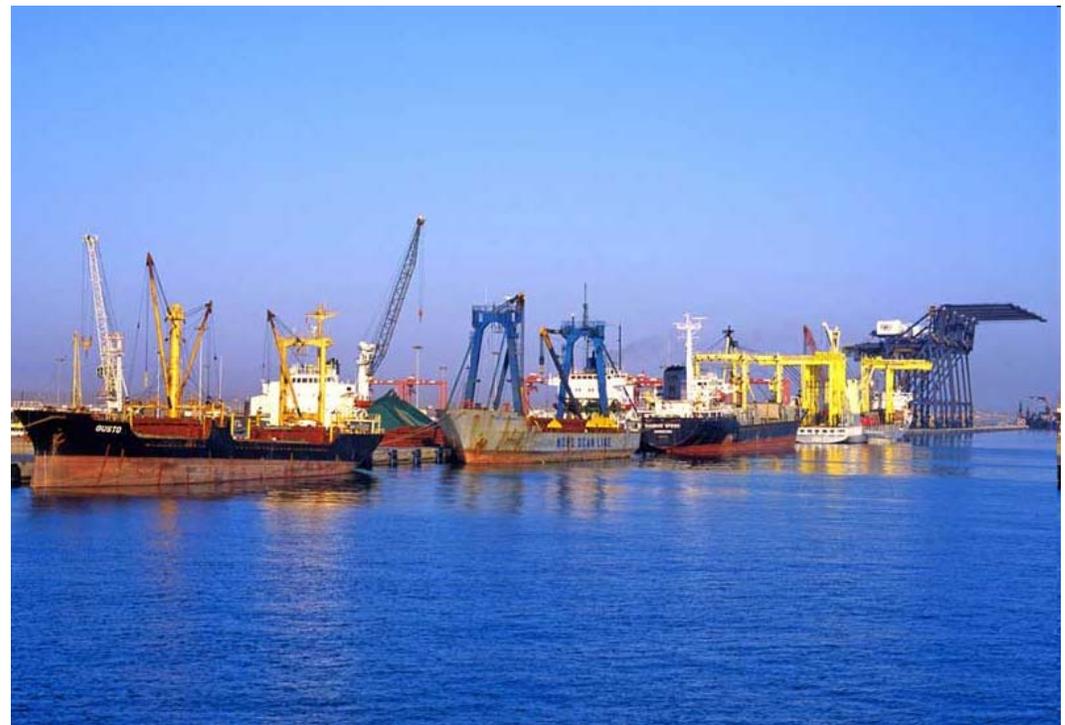
5.3 million TEU



# Port of Sohar



- Other facilities at the port include
  - Cruise terminal under construction
  - Grain silos
  - Cement silos
  - Bitumen storage
  - Tank farm for bunker
  - Diesel tank



# Port of Khasab - Introduction



## 8 Major Ports of Oman

- Port Sultan Qaboos
- Port of Salalah
- Port of Sohar
- **Port of Khasab**
- Port of Shinas
- Port of Duqm
- Mina Al Fahal
- Qalhat LNG

# Port of Khasab



- Area  
Total area – 1.6 km<sup>2</sup>
- Length of Quay  
300 meters
- Breakwater Length  
2 Breakwaters total length – 1015 m
- Depth of Water below Chart Datum

Approach channel	-10.5 m
Quay	-10 m

# Port of Khasab



- **Berth Details**

<u>Berths</u>	<u>Length</u>	<u>Draft</u>
Commercial	300 m	-10 m CD
Fisheries	100 m	-5 m CD

- **Capacity**

1 million FRT

- **Other facilities at the port include**

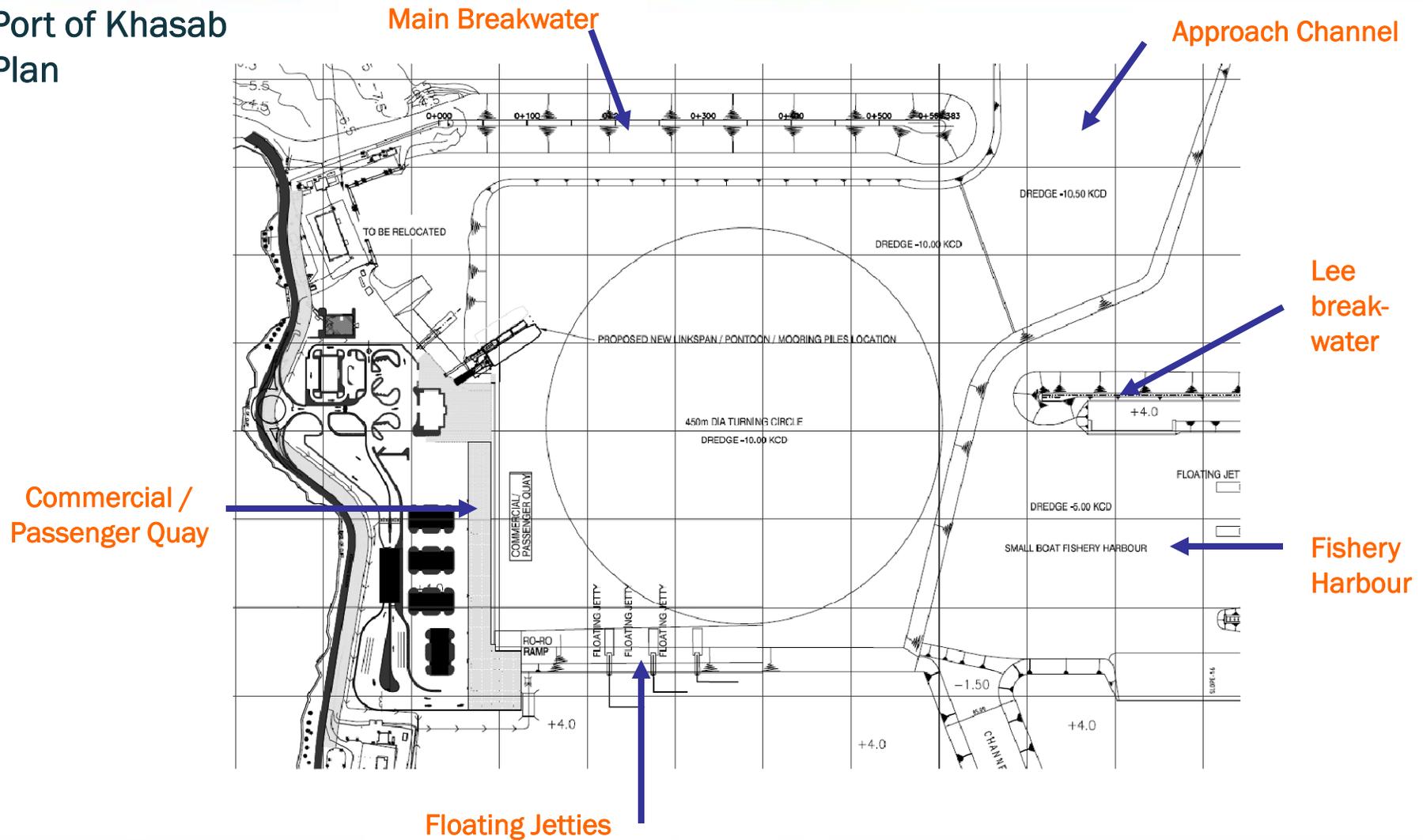
Ferry Terminal  
Cruise terminal  
Diesel supply



# Port of Khasab



## Port of Khasab Plan



# Port of Shinas - Introduction



## 8 Major Ports of Oman

- Port Sultan Qaboos
- Port of Salalah
- Port of Sohar
- Port of Khasab
- **Port of Shinas**
- Port of Duqm
- Mina Al Fahal
- Qalhat LNG

# Port of Shinas



- Area

- Total area - 487,000 m<sup>2</sup>
  - Land area - 480,000 m<sup>2</sup>
  - Sea area - 7,000 m<sup>2</sup>

- Length of Quay

- Quay Wall 115 meters
  - Pontoons 98 meters

- Breakwater Length

- 2 Break water with Total length - 890 m

- Depth of Water below Chart Datum

- Approach channel -3 m
  - Quay -3 m
  - Pontoon -1.5 m



# Port of Shinas



- **Berth Details**

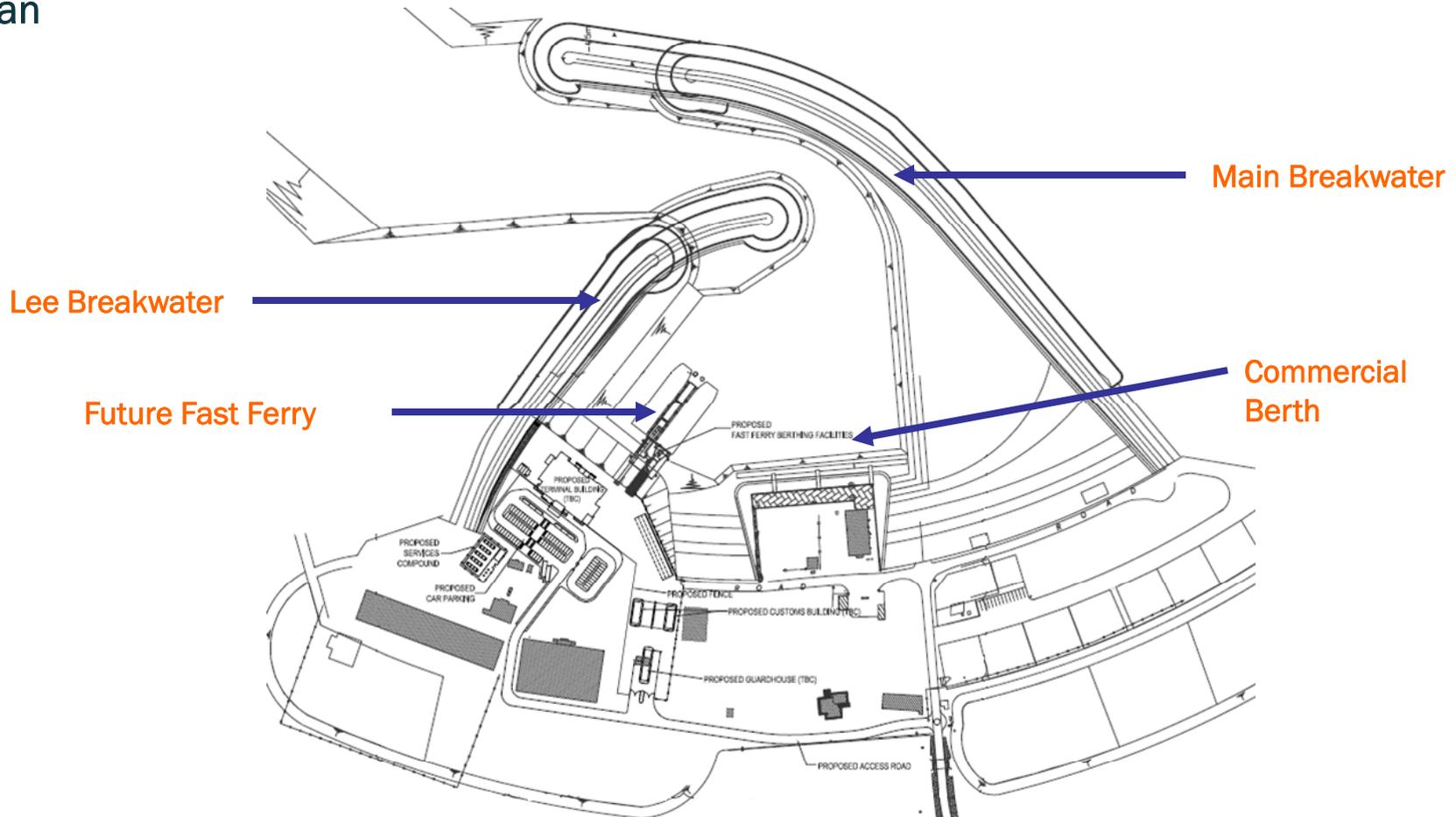
<u>Berths</u>	<u>Length</u>	<u>Draft</u>
Commercial	213 m	-3 m CD



# Port of Shinas



## Port of Shinas Plan



# Port of Shinas



- Other facilities at the port include

Electricity & water service

Fish souq

Diesel / petrol supply

Ice factory

Boat repair facilities



# Port of Duqm - Introduction



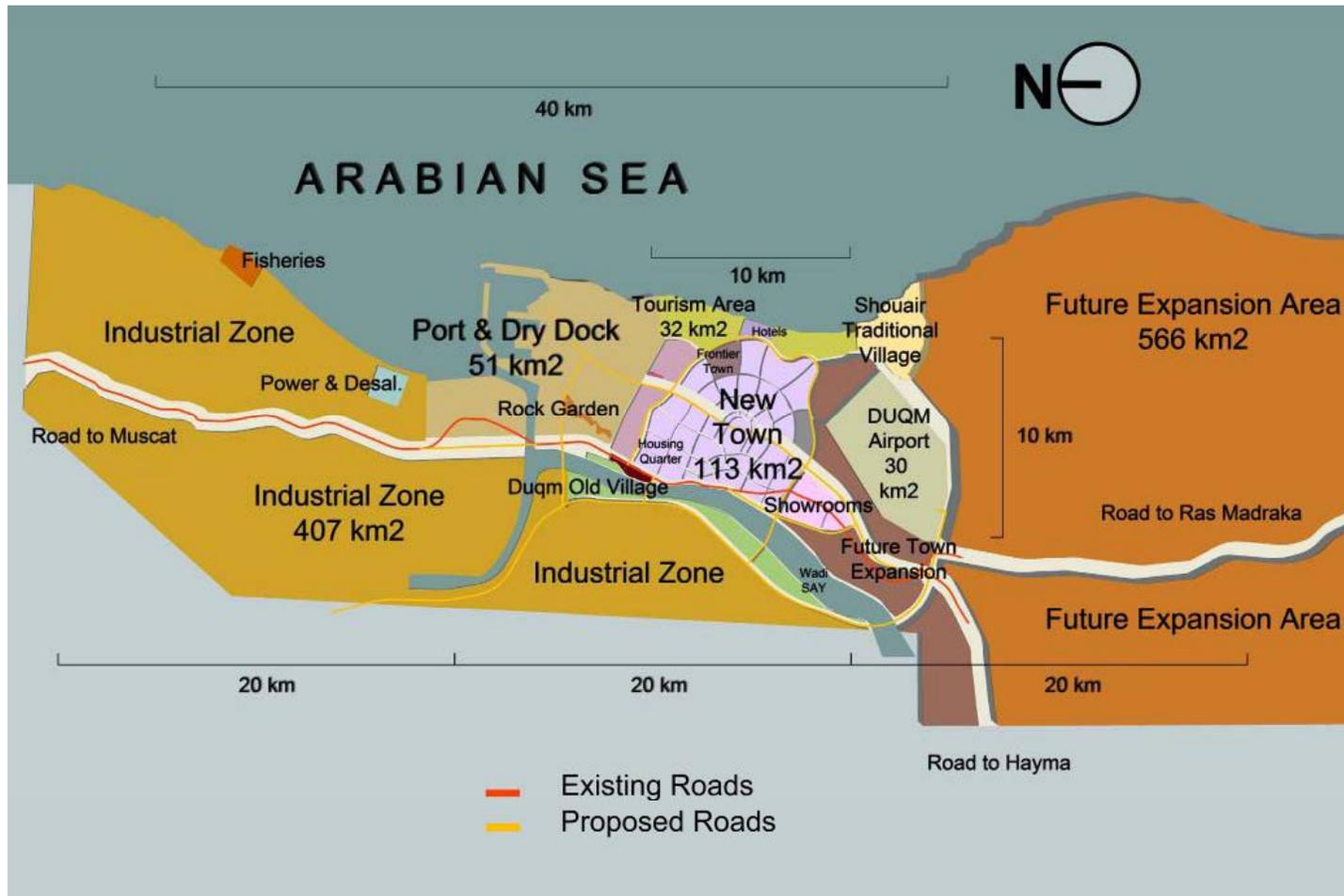
## 8 Major Ports of Oman

- Port Sultan Qaboos
- Port of Salalah
- Port of Sohar
- Port of Khasab
- Port of Shinas
- **Port of Duqm**
- Mina Al Fahal
- Qalhat LNG

# Port of Duqm



## Duqm Masterplan



# Port of Duqm



- Area

Total area	-	135.0 km <sup>2</sup>
Land area	-	50.0 km <sup>2</sup>
Sea area	-	85.0 km <sup>2</sup>
- Length of Quay  
6000 meters
- Breakwater Length

Main Breakwater	-	4100 m
Lee Breakwater	-	4600 m
- Depth of Water below Chart Datum

Approach channel	-19 m
Quay	-10 & -18 m



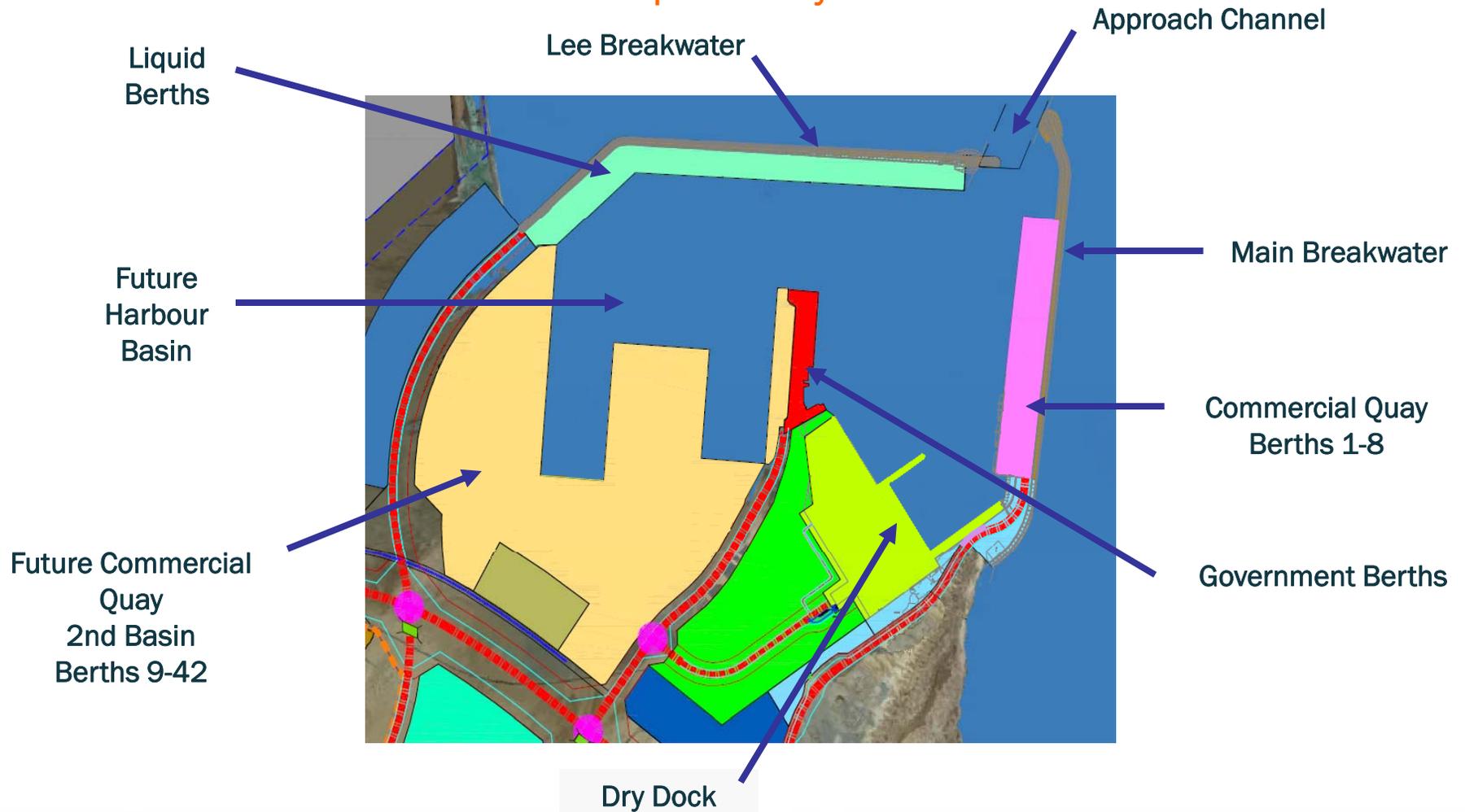
Start of Construction  
November 2007

Completion  
May 2012

# Port of Duqm



## Port of Duqm and Dry Dock Plan



# Port of Duqm



## Lee Breakwater Construction

Wave Wall

Roundhead



Armour Rock

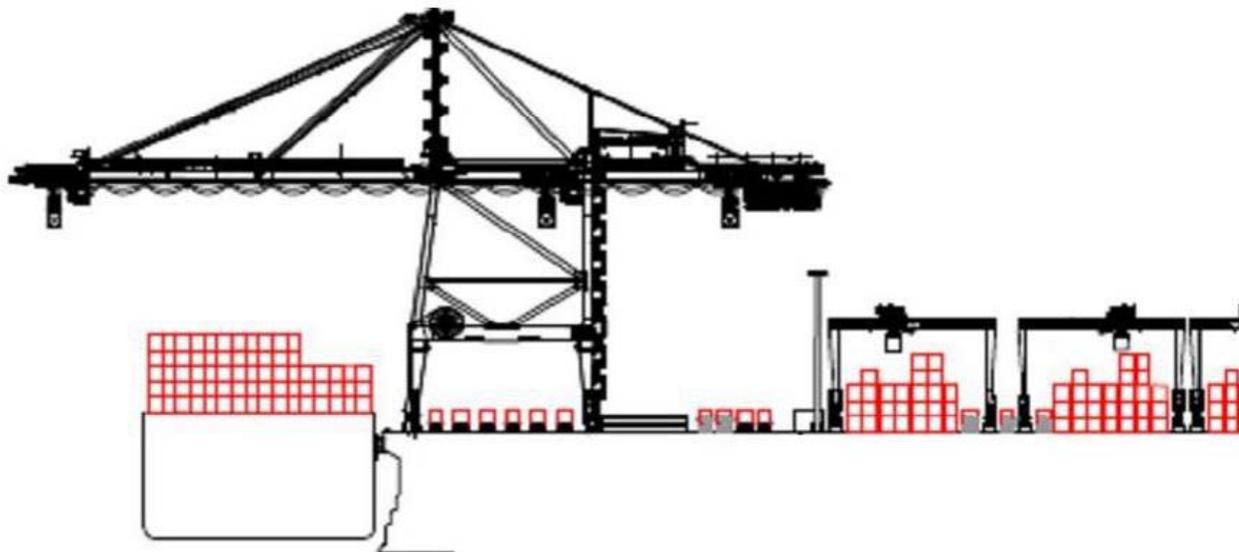
CoreLoc

# Port of Duqm



## ■ Berth Details (PHASE1)

Berths	Cargo	Length	Draft
8 No.	Containers & General	2250 m	-18 m CD
4 No.	Government & Service	950 m	-10 m CD
8 No.	Dry Dock	2800 m	-10 m CD



# Port of Duqm



## Commercial Quay Construction

Roundhead

Main Breakwater



Commercial Quay Wall

Tug Berth Quay

# Port of Duqm



## ■ Dry Dock Details

Dry Dock	Length	Width	Depth	Draft
1	410 m	95 m	14 m	-10 m CD
2	410 m	80 m	14 m	-10 m CD



Start of  
Construction  
June 2008

Start of  
Operation  
December 2010

# Port of Duqm



Dry Dock 1 and 2



Dry Dock # 1



Dry Dock # 2



# Port of Duqm



Dry Dock Main  
Office Building



# Port of Duqm



Hull Processing Shop

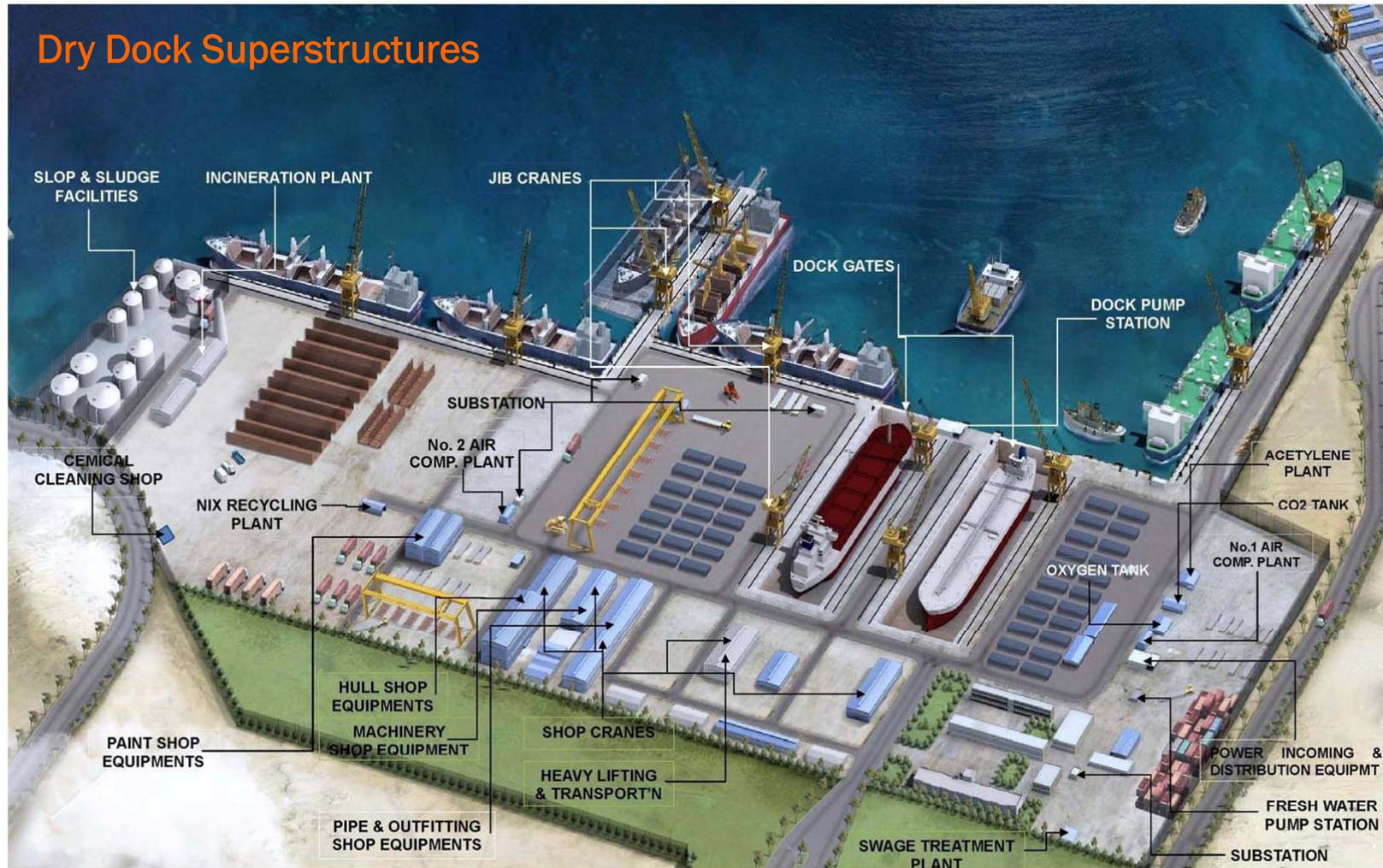




# Port of Duqm



## Dry Dock Superstructures



# Port of Duqm



- Equipments Port & Commercial Quay  
To be determined with the Port Operator



# Mina Al Fahal - Introduction



## 8 Major Ports of Oman

- Port Sultan Qaboos
- Port of Salalah
- Port of Sohar
- Port of Khasab
- Port of Shinas
- Port of Duqm
- **Mina Al Fahal**
- Qalhat LNG

# Mina Al Fahal



## General Information

Mina al Fahal is a coastal area in the northeast of Oman, near to Muscat. Crude oil and refinery products are loaded on to tankers off Mina Al Fahal by subsea pipeline and **SBM (Single Buoy Mooring)** Systems.



- **SBM Details**  
Offshore Draft - -29.2 m



# Mina Al Fahal



- Capacity  
85,000 barrels per day



# Mina Al Fahal



Oil Refinery

Single Buoy Mooring

# Qalhat LNG - Introduction



## 8 Major Ports of Oman

- Port Sultan Qaboos
- Port of Salalah
- Port of Sohar
- Port of Khasab
- Port of Shinas
- Port of Duqm
- Mina Al Fahal
- **Qalhat LNG**

# Qalhat LNG



## General Information

Qalhat LNG is an Liquid Natural Gas plant and jetty located 230 km south east of Muscat.

Qalhat LNG exports **3.3 million tons** of natural gas per annum.



# Qalhat LNG



- **Jetty Details**

Jetty Length	-	380 m
Max Draft	-	-12 m

Thank You for Your Attention – Q & A

