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.
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 km²
  - Land: 1.2 km²
  - Sea: 25.5 km²

- **Length of Quay**
  - Total length: 2592 meters
  - 13 Berths (Commercial & Government)

- **Break water Length**
  - Total length: 506 m

- **Depth of Water below Chart Datum**
  - Approach channel: -13 meters
  - Quay: -13 meters
Port Sultan Qaboos

- **Berth Details**

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

- **Capacity**

- 300,000 TEU
- 7 million FRT
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 km²
  - Land area: 4.76 km²
  - Sea area: 5.96 km²

- **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 Salalah Masterplan

- Future Expansion Plan Berths 7, 8, 9
- Future Lee Breakwater
- Future Second Basin
- Container Terminal
- General Cargo Terminal
### Existing Berth Details

<table>
<thead>
<tr>
<th>Berths</th>
<th>Cargo</th>
<th>Length</th>
<th>Draft</th>
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</thead>
<tbody>
<tr>
<td>1-4</td>
<td>Containers</td>
<td>1228 m</td>
<td>- 16 m CD</td>
</tr>
<tr>
<td>5-6</td>
<td>Containers</td>
<td>900 m</td>
<td>- 18 m CD</td>
</tr>
<tr>
<td>31</td>
<td>Containers</td>
<td>300 m</td>
<td>- 16 m CD</td>
</tr>
<tr>
<td>21-23</td>
<td>General</td>
<td>519 m</td>
<td>- 10 m CD</td>
</tr>
<tr>
<td>24</td>
<td>General</td>
<td>200 m</td>
<td>- 8 m CD</td>
</tr>
<tr>
<td>25-28</td>
<td>General</td>
<td>518 m</td>
<td>- 5 m CD</td>
</tr>
<tr>
<td>29</td>
<td>General</td>
<td>290 m</td>
<td>- 3 m CD</td>
</tr>
<tr>
<td>30</td>
<td>General</td>
<td>300 m</td>
<td>- 16 m CD</td>
</tr>
<tr>
<td>Oil jetty</td>
<td>General</td>
<td>130 m</td>
<td>- 10 m CD</td>
</tr>
<tr>
<td>Ramp</td>
<td>General</td>
<td>45 m</td>
<td>- 3 m CD</td>
</tr>
</tbody>
</table>
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 Salalah

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

- **Area**
  - Total area: 4.50 km²
  - Land area: 2.06 km²
  - Sea area: 2.45 km²

- **Length of Quay**
  - 6280 meters
  - 21 Berths

- **Breakwater Length**
  - Total length: 5000 meters

- **Depth of Water below Chart Datum**
  - Approach channel: -19 meters
  - Quay: -18 meters
Port of Sohar

**Berth Details**

<table>
<thead>
<tr>
<th>Berths</th>
<th>Cargo</th>
<th>Length</th>
<th>Draft</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 No.</td>
<td>Containers</td>
<td>520 m</td>
<td>-16 m CD</td>
</tr>
<tr>
<td>8 No.</td>
<td>Containers (future)</td>
<td>2750 m</td>
<td>-18 m CD</td>
</tr>
<tr>
<td>2 No.</td>
<td>General</td>
<td>700 m</td>
<td>-16 m CD</td>
</tr>
<tr>
<td>6 No.</td>
<td>Liquid</td>
<td>1560 m</td>
<td>-16 m CD</td>
</tr>
<tr>
<td>1 No.</td>
<td>Government &amp; Services</td>
<td>560 m</td>
<td>-8 m CD</td>
</tr>
</tbody>
</table>

**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$^2$

- **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**

<table>
<thead>
<tr>
<th>Berths</th>
<th>Length</th>
<th>Draft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial</td>
<td>300 m</td>
<td>-10 m CD</td>
</tr>
<tr>
<td>Fisheries</td>
<td>100 m</td>
<td>-5 m CD</td>
</tr>
</tbody>
</table>

- **Capacity**
  1 million FRT

- **Other facilities at the port include**
  - Ferry Terminal
  - Cruise terminal
  - Diesel supply
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 m²
  - Land area – 480,000 m²
  - Sea area – 7,000 m²

- **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

- **Length of Quay**
  - Quay Wall 115 meters
  - Pontoons 98 meters
Port of Shinas

- **Berth Details**

<table>
<thead>
<tr>
<th>Berths</th>
<th>Length</th>
<th>Draft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial</td>
<td>213 m</td>
<td>-3 m CD</td>
</tr>
</tbody>
</table>

![Port of Shinas Berths](image)
Port of Shinas

- **Other facilities at the port include**
  - Electricity & water service
  - Fish souq
  - Diesel / petrol supply
  - Ice factory
  - Boat repair facilities
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

**Area**
- Total area: 135.0 km²
- Land area: 50.0 km²
- Sea area: 85.0 km²

**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

- Liquid Berths
- Lee Breakwater
- Approach Channel
- Main Breakwater
- Commercial Quay Berths 1-8
- Government Berths
- Future Harbour Basin
- Future Commercial Quay
  2nd Basin
  Berths 9-42
- Dry Dock
Port of Duqm

Lee Breakwater Construction

Wave Wall

Roundhead

Armour Rock

CoreLoc
### Berth Details (PHASE1)

<table>
<thead>
<tr>
<th>Berths</th>
<th>Cargo</th>
<th>Length</th>
<th>Draft</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 No.</td>
<td>Containers &amp; General</td>
<td>2250 m</td>
<td>-18 m CD</td>
</tr>
<tr>
<td>4 No.</td>
<td>Government &amp; Service</td>
<td>950 m</td>
<td>-10 m CD</td>
</tr>
<tr>
<td>8 No.</td>
<td>Dry Dock</td>
<td>2800 m</td>
<td>-10 m CD</td>
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</table>
### Dry Dock Details

<table>
<thead>
<tr>
<th>Dry Dock</th>
<th>Length</th>
<th>Width</th>
<th>Depth</th>
<th>Draft</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>410 m</td>
<td>95 m</td>
<td>14 m</td>
<td>-10 m CD</td>
</tr>
<tr>
<td>2</td>
<td>410 m</td>
<td>80 m</td>
<td>14 m</td>
<td>-10 m CD</td>
</tr>
</tbody>
</table>

**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 Dormitory Complex
Port of Duqm

Dry Dock Superstructures
Port of Duqm

- Equipments Port & Commercial Quay
  To be determined with the Port Operator
Mina Al Fahal - Introduction

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- Qalhat LNG
**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
8 Major Ports of Oman
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- Port of Shinas
- Port of Duqm
- Mina Al Fahal
- 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.
Jetty Details
- Jetty Length: 380 m
- Max Draft: -12 m
Thank You for Your Attention – Q & A