THE JOINT VENTURE
TO BUILD THE FUTURE
Knowledge - Capabilities - Facilities

FINCANTIERI
AL FATTAN SHIP INDUSTRY
MELARA MIDDLE EAST

ETIHAD SHIP BUILDING
With the aim of increasing the product portfolio of ESB and trying to catch the opportunities in the region, ESB is working on a market plan mainly addressed on the following product segments:

- Inshore patrol Vessel for Navy
- Catamarans
- Aluminium Boats (25 - 40 meters)
- Landing Crafts
- Supply Vessels
- Middle size Yacht
- Refitting for Merchant and Militar Ships
- Completion of Combatant Vessel

ESB ACTIVITIES FORECAST: MILITARY VESSELS

LIGHT ALLOY BOATS

- **Light Alloy Boat**
  - LOA ab. 25 m

STEEL CONSTRUCTIONS

- **Patrol vessel-Diciotti class type for IT Cost Guard**
  - LOA ab. 53 m
  - Leight Weight ab. 320 Tonn.
- **Saettia Stealth**
  - LOA ab. 56 m
  - Leight Weight ab. 450 Tonn.
With the aim of increasing the product portfolio of ESB and trying to catch the opportunities in the region, ESB is working on a market plan mainly addressed on the following product segments:

Maintenance and Logistic Support of:
- Naval vessels operating in the Gulf Area
- Main engines, generators and components through a new Service Center
- Naval vessels for export
- Naval vessels for UAE Armed Forces
- Merchant Vessel

Refitting of:
- Naval vessels for export
- Naval vessels for UAE Armed Forces
- Merchant Vessel

ESB ACTIVITIES

"END OF GUARANTEE" WORKS AND IN SERVICE SUPPORT

COMBAT SYSTEM INSTALLATION AND FUNCTIONAL INTEGRATION ON COMBATANT VESSELS

> ASW VESSEL "ABU DHABI" CLASS

> SAETTIA STEALTH "FALAJ 2"

MAIN CHARACTERISTICS

<table>
<thead>
<tr>
<th>Main Characteristics</th>
<th>ASW Vessel &quot;Abu Dhabi&quot; Class</th>
<th>Saettia Stealth &quot;Falaj 2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length overall</td>
<td>abt 88.40 m</td>
<td>abt 55.70 m</td>
</tr>
<tr>
<td>Length b. p.</td>
<td>80.00 m</td>
<td>8.80 m</td>
</tr>
<tr>
<td>Moulded breadth</td>
<td>12.20 m</td>
<td>2</td>
</tr>
<tr>
<td>Moulded depth</td>
<td>8.20 m</td>
<td>4</td>
</tr>
<tr>
<td>Full load displacement</td>
<td>1,650 t</td>
<td>550 t</td>
</tr>
<tr>
<td>Max speed at 95% MCR</td>
<td>above 25 kn</td>
<td>abt 22 kn</td>
</tr>
<tr>
<td>Cruising speed</td>
<td>14 kn</td>
<td>2</td>
</tr>
<tr>
<td>Range at 14 knots</td>
<td>over 3,060 nm</td>
<td>abt 20 km</td>
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<tr>
<td>Endurance</td>
<td>20 days</td>
<td>over 1,500 nm</td>
</tr>
<tr>
<td>Accommodation</td>
<td>70+1</td>
<td>28</td>
</tr>
</tbody>
</table>

MAIN CHARACTERISTICS

<table>
<thead>
<tr>
<th>Main Characteristics</th>
<th>Saettia Mark IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length overall</td>
<td>55.70 m</td>
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<tr>
<td>Moulded breadth</td>
<td>8.80 m</td>
</tr>
<tr>
<td>Displacement at full load</td>
<td>2</td>
</tr>
<tr>
<td>Diesel Engines MTU 16V 4000 M90</td>
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</tr>
<tr>
<td>Propellers of controllable pitch type</td>
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</tr>
<tr>
<td>Max continuous speed</td>
<td>abt 22 kn</td>
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<tr>
<td>Range at trial displacement at 14 knots</td>
<td>over 1,500 nm</td>
</tr>
<tr>
<td>Crew</td>
<td>28</td>
</tr>
</tbody>
</table>

TRAINING CENTRE AND RELATIONSHIP WITH UNIVERSITIES, RESEARCH CENTRES AND NAVAL ACADEMY IN CLOSE COOPERATION WITH UAE NAVY

- Applied Research
- Consultancy and Services
- Development of Tools and Methodologies to help Ship Design and Shipping Operations and for technology know-how transfer
- Training, dissemination (technical seminars, conference NAV...)
- Transfer of technology and methodologies to the shipbuilding and maritime industry
- Support to design and realisation of Training Centre

Bridge between the academic world and the industry

AIM OF THE START UP TRAINING

To transfer Fincantieri’s methodology in the following areas:

- Project Management
- Design
- Procurement
- Production
- Commissioning

To consolidate the necessary ability to improve the naval shipbuilding process.
ESB SHIPYARD LAYOUT
NEW YARD LAYOUT PROPOSAL

LOCATION MAP GUIDE
24° 70.305 NORTH
54° 66.035 EST