Introduction of AVIC International

- Former China National Aero-Technology Import & Export Corporation (CATIC) reorganized to AVIC International Co. in 2009.
- CATIC was founded on Jan 21, 1979.
- State-owned Enterprise
  - with 30,000 Employees
  - Belongs to AVIC Group: 400,000 Employees, 200 Factories, 33 Design Institutes. Among the top 500 in the world.
- Annual Import & Export Volume 4.2 billion USD (2008)
- Annual Sales Income 32.5 billion RMB
- Total Assets 50 billion RMB
- Experienced in engineering and EPC project
More than 60 overseas offices & sub-companies in 30 countries
CHINA AEROSPACE – THE CUTTING EDGE
A: AVIC INTERNATIONAL
B: AVIC INTERNATIONAL BJ
C: SHIPYARDS — Taizhou AVIC Shipbuilding
—— AVIC Weihai Shipyard
CATIC Weihai Shipyard

Weihai Shipyard is designed to build the ship up to 200,000DWT

Shipyard area: 1,400,000 m²
Dry dock: 369 m x 50 m, 276 m x 50 m
Cranes: 800t x 1, 400t x 1
Quay length: 1844 m
Project Characteristics:
1) Detail design and engineering for shipyard construction;
2) 400 ft maximum operation water depth;
3) 30,000 ft maximum drilling depth;
4) 3700 tons maximum VDL in drilling condition;
AVIC provides sourcing and procurement for both Chinese and International products and services, such as:

1) Topside equipment;
2) Drilling and production equipment;
3) Propulsion, positioning, mooring equipment;
4) Subsea, flowline, and pipeline equipment;
5) Material and equipment handling systems;
6) Existing drilling rigs and vessels for sale;
7) Terminal equipment;
8) Specialized engineering and construction services;
Project Characteristics:
1) Oil storage, 300,000 ton;
2) Water depth, 20m;
<table>
<thead>
<tr>
<th></th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AHTS</td>
</tr>
<tr>
<td>2</td>
<td>Offshore drilling rig</td>
</tr>
<tr>
<td>3</td>
<td>FSO</td>
</tr>
<tr>
<td>4</td>
<td>FPSO</td>
</tr>
<tr>
<td>5</td>
<td>Pipe laying Vessel</td>
</tr>
</tbody>
</table>
Offshore Patrol Vessel

14000KW Marine Patrol Vessel
L.O.A.: 114.40m
L.W.L.: 101.65m
Breadth: 13.80m
Design Draft: 4.60 m
Speed: 22.00 KN
Tonnage: 3383ton
Main Engine: 2 x 6000KW
Gensets: 3 x 800kw diesel driven
Accommodation: 56 men
76M Support / Maintenance

PRINCIPAL DIMENSIONS

L.O.A.: 76.00m
L.W.L.: 71.50m
Breadth: 20.00m
Depth: 6.10m
Draft: 4.50 m
Speed: 12.00 KN
Tonnage: 2996ton
Main Engine: 2 x 2575BHP
Propulsion: Rudder Propeller
Shaft Generator: 2 x 1600kw
Mooring System: 4 point mooring winch, 4 x 40 tonnes @ 10m/min Tugger Winch: 2 x 10 tonnes
Accommodation: 138 men. DP-II
89M Multi-purpose Supply Vessel

PRINCIPAL DIMENSIONS

L.O.A.: 88.80m
L.B.P.: 82.00m
Breadth: 19.00m
Depth: 8.00m
Max. Draught: 6.60 m
Speed: 15.50 KN
Deadweight: 4000ton

Main Diesel Generators: 5 X 1750ekw
Propellers: 2 main azimuth propeller,
2×2500kW×800rpm
Drives: 2×2500kW×800rpm motor,
ABB frequency converters 690V,3 passive
roll reduction tanks
Accommodation: 25 men. DP-II
**74.5M AHTSV**  
**PRINCIPAL DIMENSIONS**  
L.O.A.: 74.50m  
Breadth Moulded: 17.20m  
Depth to Main Deck: 8.00m  
Maximum Draught: 7.20 m  
Tonnage: 2750ton  
Speed: 18.00 KN  
Main Engine: 2 x 6000KW  
Propulsion: 2 x CPP in nozzle  
Shaft Generator: 2 x 2000ekw  
Towing / Anchor: 680ton  
Tugger Winches: 2 x Norminal Pull, 20ton  
Accommodation: 42 men  
DP-II
Multi-functional Azimuth Thruster Tug

1470KW TUG
2400KW Z-DRIVE TUG
3300KW TUG
3528KW ICE-BROKE TUG
4400KW STERN TUG
FI-FI TUG
8000KW OCEAN SALVAGE TUGBOAT
PRINCIPAL DIMENSIONS
L.O.A.: 98.0 m
Breadth MLD: 15.2 m
Depth MLD: 7.6 m
Design Draft: 5.6 m
Scantling Draft: 6.0 m
Speed: 19.7 KN
Deadweight: 4400T
TUG WITH VOITH PROPELLER
PRINCIPAL DIMENSIONS
L.O.A.: 30.20 m
Breadth MLD: 11.20m
Depth MLD: 4.20m
Draught: 5.00m
Speed: 12.00 KN
Autonomy: Min. 8 days
Power: 2*2610HP
Static bollard pull: 52T
10000m³ Trailing Suction Hopper Dredger

L.O.A.: 125.60 m
Breadth MLD: 25.32m
Depth MLD: 10.00m
Dredging draught: 8.50m
Max. dredging depth: 32.00m
Deadweight: 14835t
Speed: 15.0 KN
Dia. of suction/discharge pipe: 1000mm
Main Engine: 600rpm×8700kW × 2
Main generator: 2500kW × 2
Hopper Capacity: 10000m³
We can manufacture and provide the Offshore Drilling Modular according to client’s demands.
We can supply drilling rigs in various models for drilling land (desert, mountain, marshland, shoal and other terrains) oil wells, such as mechanical rig, DC rig, AC VF rig, electromechanical rig, and etc. All products are with ISO9001:2000 certificates and API certificates.
# Port Machinery

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Post-panamax Container Crane</td>
</tr>
<tr>
<td>2</td>
<td>Container Cranes Loaded</td>
</tr>
<tr>
<td>3</td>
<td>Rubber-tyred Gantry Crane</td>
</tr>
<tr>
<td>4</td>
<td>Bulk Material Ship Loader</td>
</tr>
<tr>
<td>5</td>
<td>Container/Vehicle Inspection System</td>
</tr>
</tbody>
</table>
## Focused Products

<table>
<thead>
<tr>
<th>Types</th>
<th>AHTS</th>
<th>PSV</th>
<th>Z- DRIVE TUG</th>
<th>SEA-GOING SALVAGE VESSEL</th>
<th>CUTTER SUCTION DREDGER</th>
<th>TRAILING SUCTION DREDGER</th>
</tr>
</thead>
<tbody>
<tr>
<td>LENGTH O.A</td>
<td>69.90m</td>
<td>75.00m</td>
<td>31.00m</td>
<td>98.00m</td>
<td>104.4m</td>
<td>134.40m</td>
</tr>
<tr>
<td>BREADTH</td>
<td>16.60m</td>
<td>17.50m</td>
<td>11.00m</td>
<td>15.20m</td>
<td>19.60m</td>
<td>25.32m</td>
</tr>
<tr>
<td>DEPTH</td>
<td>7.20m</td>
<td>7.60m</td>
<td>4.50m</td>
<td>7.60m</td>
<td>5.20m</td>
<td>10.00m</td>
</tr>
<tr>
<td>DESIGN DRAUGHT</td>
<td>4.50m</td>
<td>6.00m</td>
<td>3.20m</td>
<td>5.60m</td>
<td>2.90m</td>
<td>7.50m</td>
</tr>
<tr>
<td>SCANTLING DRAUGHT</td>
<td>5.90m</td>
<td>6.40m</td>
<td>3.50m</td>
<td>6.00m</td>
<td>3.75m</td>
<td>8.50m</td>
</tr>
<tr>
<td>DEADWEIGHT</td>
<td>2,400t</td>
<td>3,000t</td>
<td>700t</td>
<td>4,400t</td>
<td>4,092t</td>
<td>14,835t</td>
</tr>
<tr>
<td>MAIN ENGINE</td>
<td>8200 BHP</td>
<td>5000 BHP</td>
<td>4,400 BHP</td>
<td>9,000KW</td>
<td>14,176KW</td>
<td>26,880KW</td>
</tr>
<tr>
<td>SERVICE SPEED</td>
<td>13.00 knots</td>
<td>13.50 knots</td>
<td>12.00 knots</td>
<td>19.7 knots</td>
<td>---</td>
<td>15.00 knots</td>
</tr>
<tr>
<td>ENDURANCE</td>
<td>30 days</td>
<td>30days</td>
<td>8 days</td>
<td>10,000 n.mile</td>
<td>---</td>
<td>9,000 n.mile</td>
</tr>
<tr>
<td>BOLLARD PULL</td>
<td>100t</td>
<td>---</td>
<td>50t</td>
<td>---</td>
<td>---</td>
<td>---</td>
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<tr>
<td>CAPACITY</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>3500M3/h</td>
<td>10000M3</td>
</tr>
</tbody>
</table>
AVIC - INTERPHARM PARTNERSHIP:
Since 1986

AGENCIES:
INTERPHARM TECHNOLOGIES LTD

TO DEVELOP & SUPPLY TECHNOLOGY GLOBALLY

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