



**Shipbuilding**

# YOUR PREFERRED CHOICE FOR SHIPBUILDING SOLUTIONS

Grandweld Shipyards is a global leading shipbuilder specializing in the construction of offshore vessels of both steel and aluminum that serve worldwide offshore, ports and security operations.

Committed to quality, Grandweld has been in the shipbuilding industry since 1984 utilizing state of the art engineering solutions and advanced shipbuilding technologies. We are dedicated to deliver built to order ships ensuring high levels of customer satisfaction, whilst maintaining competitive advantage in product value and price.

Our shipbuilding activities include the design and the construction of a broad range of offshore vessels such as Harbour/Terminal Tugs, Dive Maintenance Support Vessels, Seismic Support Vessels, Utility Vessels, Multi Purpose Supply Vessels, Fast Support Intervention Vessels (FSIV), Anchor Handling Tug Supply Vessels, Offshore Support Vessels, Salvage Tugs, Crew Boats, Pilot Boats and Security/Patrol Boats.





## ALUMINUM SHIPBUILDING

### The Industry's Leading Aluminum Shipbuilder

In addition to steel shipbuilding, Grandweld is also specialized in aluminum shipbuilding having earned a reputation as the leading shipbuilder of high speed light weight aluminum vessels. Our highly skilled aluminum shipbuilding staff are dedicated to deliver high quality products, that will achieve high customer satisfaction.

Grandweld's aluminum portfolio includes Fast Support Intervention Vessels, Crew Boats, Work Boats, Pilot Boats, Security Vessels, Forward Landing Boats, and Service Boats.

# OUR FACILITIES

Grandweld shipbuilding facilities are strategically located within the heart of Dubai with an easy access to the gulf.





Grandweld Shipyards-Dubai Maritime City

## Dubai Maritime City (DMC) Shipyard

**At our main production facility, we can build over 30 vessels simultaneously.**

State-of-the-art facilities at our DMC Shipyard encompass a 6000-ton ship lift with 130m x 35m, a 3000-ton ship lift with 90m x 25m, a 720-ton capacity boat hoist, and 31 docking berths.

With over 55,000 square meters of space, our facilities are the largest in Dubai Maritime City and enable us to build over 30 vessels simultaneously.

### Our facilities include:

- A 30,000 sqm main building and production facilities consisting of:
  - 13,500 sqm covered and insulated space with overhead cranes
  - 8000 sqm open yard
  - 4000 sqm modern offices
  - CNC workshop
  - Piping workshop
- 20,000 sqm outfitting and assembly yard for shipbuilding
- 5,000 sqm storage yard

## At Jadaf Docking Yard

Our Jadaf Docking Yard complements our main facility at Dubai Maritime City and comprises 10 x 100m docking berths. The facility is capable of a 2530-ton ship lift with a size of 102 x 25m, and comprises over 30,000 sqm of construction space including:

- Covered shed for prefabrication, assembly and build of new ships and vessels
- Machine shop, electrical shop, and mechanical shop
- Painting, carpentry, and joinery shops
- Warehouses for material and equipment storage
- Synchrolift for vessel docking and undocking



Grandweld Shipyards-Jadaf Docking Yard

# DESIGN AND ENGINEERING

Quality, reliability, and efficiency

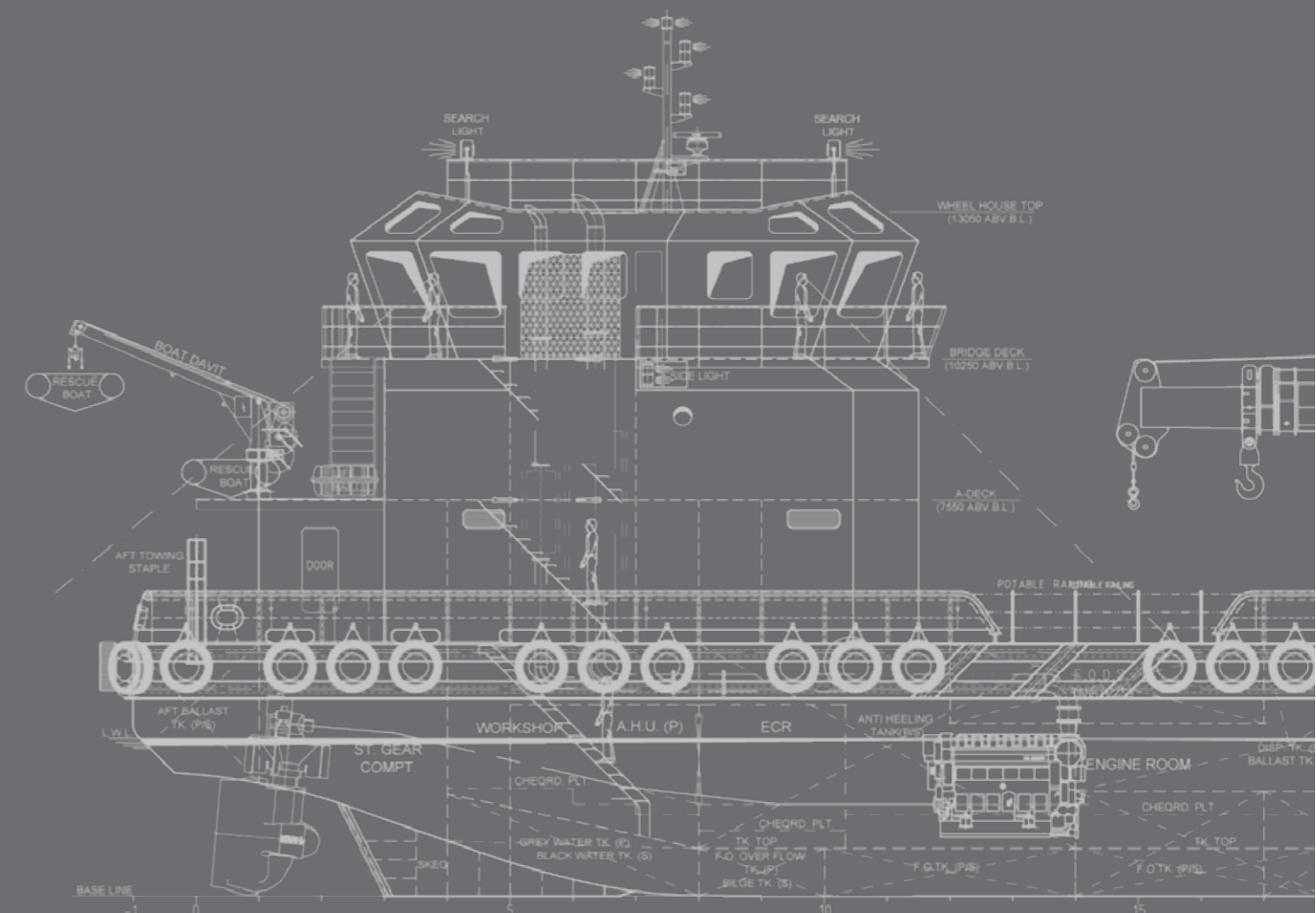
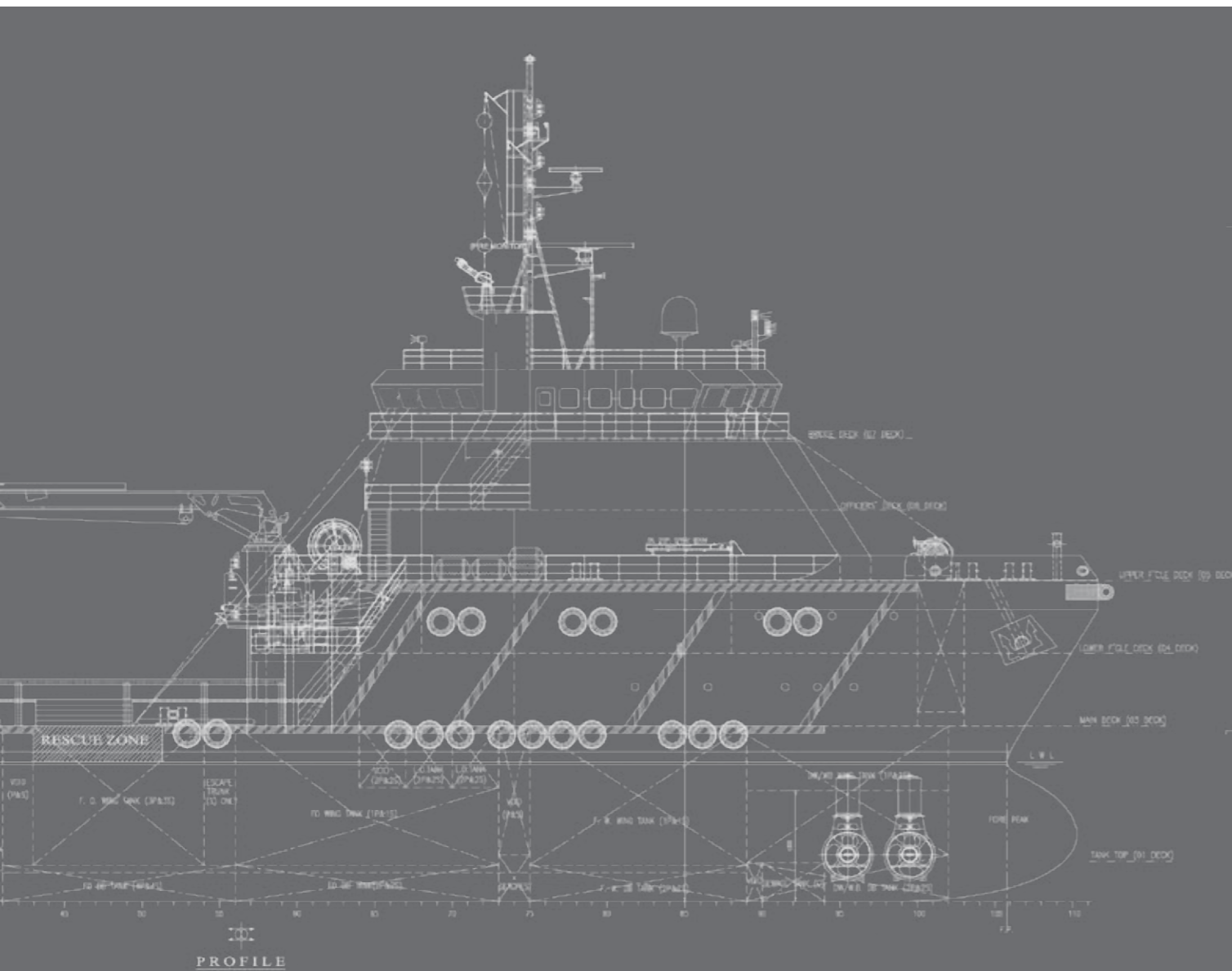
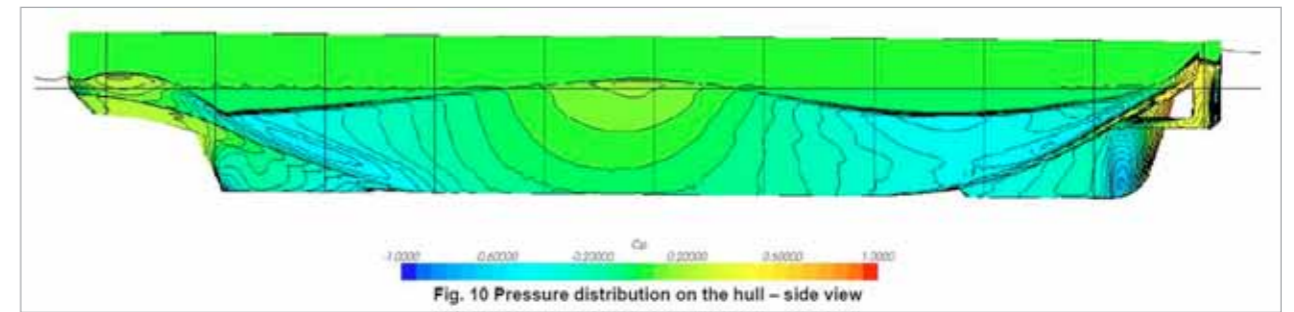
The core of our competence is our design and engineering team through whom we offer a truly integrated design and engineering service. Our in-house design and engineering team has developed a wide range of complete designs which have an industry standard providing clients with premium vessels customized for their requirements.

It all adds up to an exceptional range of products and services from an experienced engineering team. By integrating the latest software and technologies, such as Multiframe, MAXSURF, WOLFSON, Ship Constructor, Computational Fluid Dynamics, Primavera, and many others, our talented designers craft a premium-quality end product that will always exceed your highest expectations.

Using these various computational tools, we are able to provide the following engineering services:

- Hydrodynamic & CFD analysis
- Structural Analysis
- Sea-keeping and Stability Analysis
- Propulsion Design
- Powering Calculations
- Production Engineering
- Vessel Interior Design
- Electrical Design and Engineering
- Mechanical Engineering and Modeling

In addition, we have successfully worked with top ship design firms worldwide in numerous projects. Our ability to work with external designers bolsters our ability to provide product flexibility according to owners' preference.





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