



Grandweld | Waves

Issue 11 - December 2012



We Build For You

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Message from the GM



Dear friends

Having been in the marine industry for more than 30 years, I must say that offshore vessels have always been developing rapidly and consistently.

Oil companies' relentless demand for higher health, safety and environmental standards, as well as increased vessel reliability and fuel efficiency has necessitated ever more sophistication in design, machinery and control systems.

At GRANDWELD, we realized that the trend is rapidly moving towards more optimized and complex vessels. As a result, New Research and Development team was established to continuously optimize our designs and study new equipment adaptability to our new construction ships. By doing so, our new construction vessels are able to benefit from innovative systems and designs which ensure that we deliver vessels to ship owners and operators that meet end user's continuously enhancing requirements.

Moreover, the new GRANDWELD facility, with the unmatched infrastructure at Dubai Maritime City, is now allowing us to perform maintenance of deeper draft vessels under more flexible conditions. In addition, we are now even more prepared to deal with the challenges of more complex ship repair and maintenance within shortest possible time.

Furthermore, our new modern style office facility instigates first-class work environment for our employees and clients. Today, more than ever, we believe that GRANDWELD is placed to offer the best shipbuilding and ship repair solutions for local and international ship owners & operators.

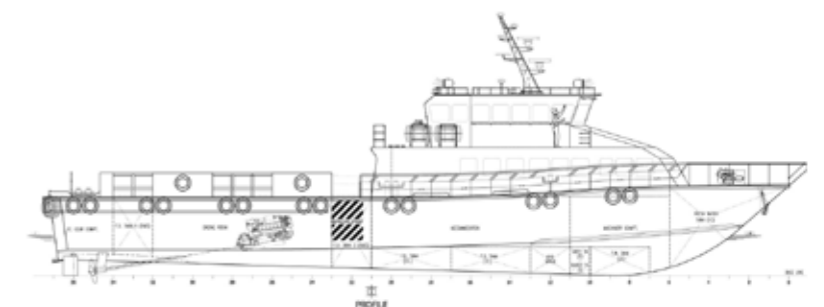
Two Crew Boats Successfully Delivered To Zamil Offshore



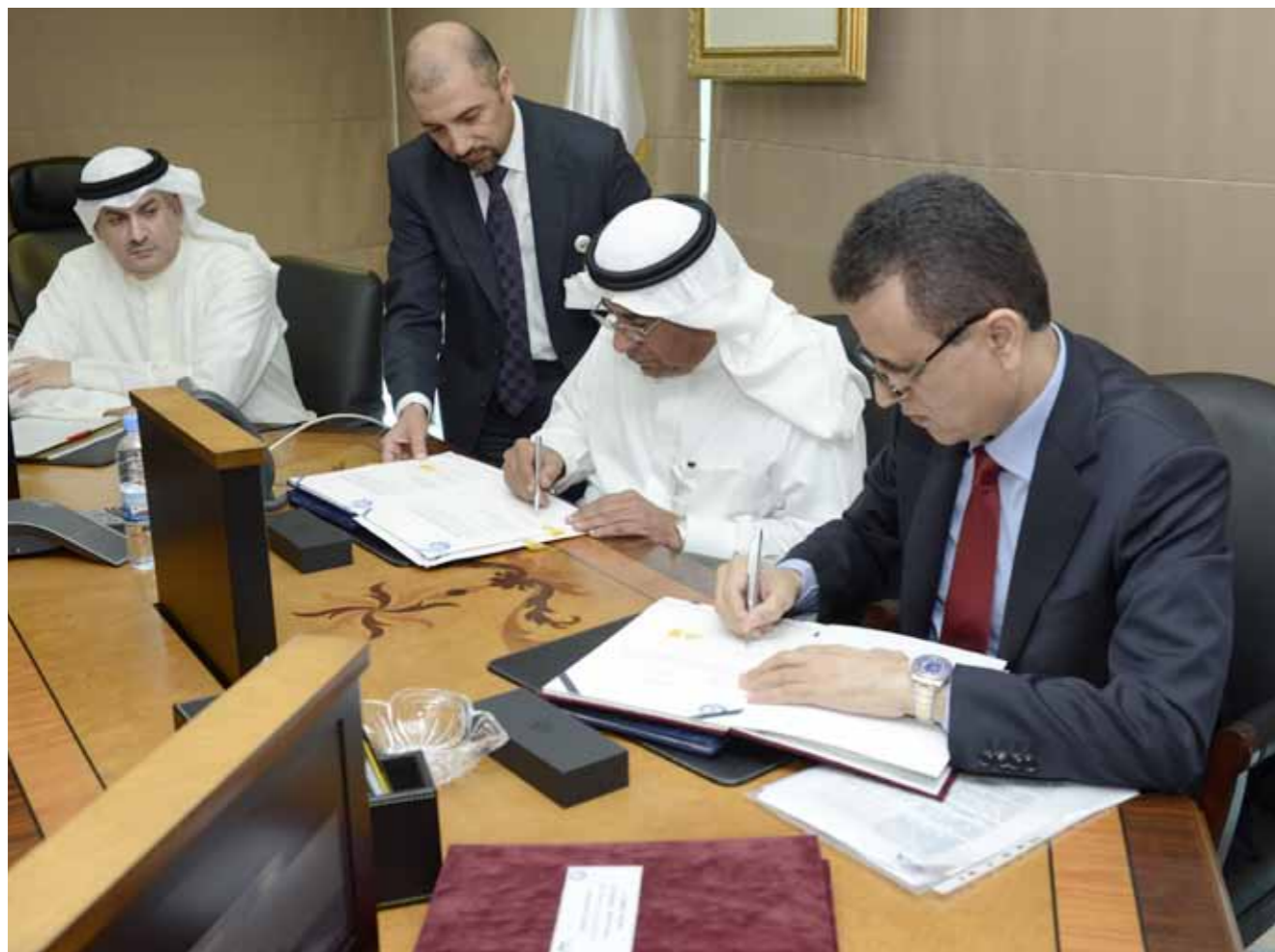
Grandweld Shipyards has completed the delivery of the two new builds ZAMIL 101 and ZAMIL 102, the two 33.5 fast aluminum crew boats to Zamil Offshore.

The vessels were part of a contract, which was signed in November 2011, to build and deliver three sister crew boats. The 33.5m fast crew boats are powered by 3 high speed diesel engines driving 3 fixed pitch propellers to produce a speed of 27 Knots. The vessels are designed and built according to the classification rules and requirements of Bureau Veritas for Aluminum vessels. The vessels will be utilized to transport offshore personnel and cargo, and will be operating offshore Saudi Arabia. The third vessel is scheduled for delivery in January 2013.

- PRINCIPAL PARTICULARS:**
FAST ALUMINUM CREW BOAT
 Length Overall.....33.5 meters
 Breadth.....6.70 meters
 Depth.....3.50 meters
 Speed.....27 Knots
 Deck Area.....80 SQM
 Crew.....12
 Hull.....Aluminum



Grandweld Hands Over Two Service Boats To Kuwait Oil Tanker Company



Grandweld Shipyards has successfully delivered NAKILAT 10 and NAKILAT 11, the two 21.3 Fast Aluminum Service Boats to Kuwait Oil Tanker Company. The first vessel was delivered in October 2012, followed by the delivery of the sister vessel in December 2012. A special ceremony was held at KOTC headquarters in Kuwait, and KOTC Chairman and Managing Director Bader Al-Khashti signed the delivery documents with Grandweld General Manager Jamal Abki.

The company has achieved the handover of the two

service boats within a year of signing the contract for building two 21.3 Aluminum service boats to KOTC. The vessels are powered by twin waterjet installation to ensure high speed and maneuvering capabilities, and are designed to reach a speed in excess of 31 knots at 100%MCR. The design incorporates seating capacity for 20 offshore personnel, and a deck cargo carrying capacity up to 4 Tons. The vessels are also equipped with the latest technology of navigation and communication equipment.

“We are pleased that KOTC has chosen Grandweld Shipyards to design and build the two service boats that will be part of KOTC new fleet. At Grandweld, we pride ourselves in understanding the market demand for light weight fast crew boats especially in the gulf region. We are committed to deliver high quality offshore products that

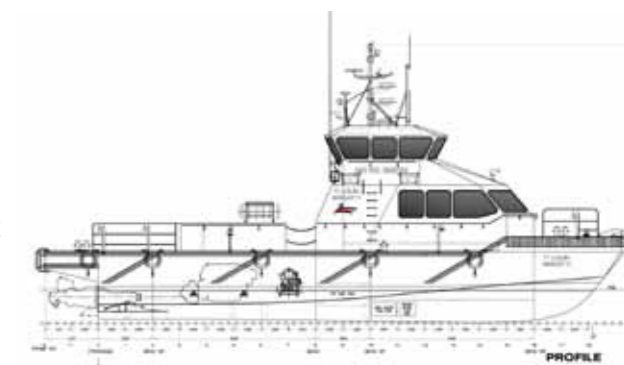
support regional marine industry.” said Jamal Abki, Grandweld General Manager.

NAKILAT 10 and NAKILAT 11 will be part of KOTC new service fleet, and will be utilized by KOTC Marine Agency Branch to safely transport passengers and cargo to and from tankers calling Kuwaiti Oil Terminals.



PRINCIPAL PARTICULARS: FAST ALUMINUM SERVICE BOAT

Length Overall.....21.30 meters
 Breadth.....5.30 meters
 Depth.....2.45 meters
 Speed.....31 Knots @ 100% MCR
 Passenger Complement.....25 Passengers
 Hull.....Aluminum



Grandweld To Deliver Four 42M Aluminum Crew Boats



Grandweld Shipyards has recently celebrated the keel laying of the three new 42M Aluminum Crew Boats for the repeat client Global Marine. The contract was signed in August 2012 following the successful delivery of the three sister crew boats in 2011.

The series is a heavily modified version of the 41M, and is designed to reach a speed in excess of 25 knots and incorporates luxury seating, accommodation for VIP guests, larger deck space and enhanced comfort for the crew. The vessels feature a total seating capacity for 83 passengers, 110sqm loading area for over 90 Tons of deck

cargo handled by a deck crane, fire fighting capability, bulk cement handling, in addition to the capacity of carrying large amount of fuel and freshwater. The vessels are scheduled for delivery in last quarter 2013.

“Ship operators and chartering companies highly appreciated these vessels and therefore we have recreated the demand for this class of vessels. These vessels are in demand not only for transport, but also for its security capabilities, where it can be used in areas where piracy has become an increasing problem” said Jamal Abki, Grandweld General Manager.

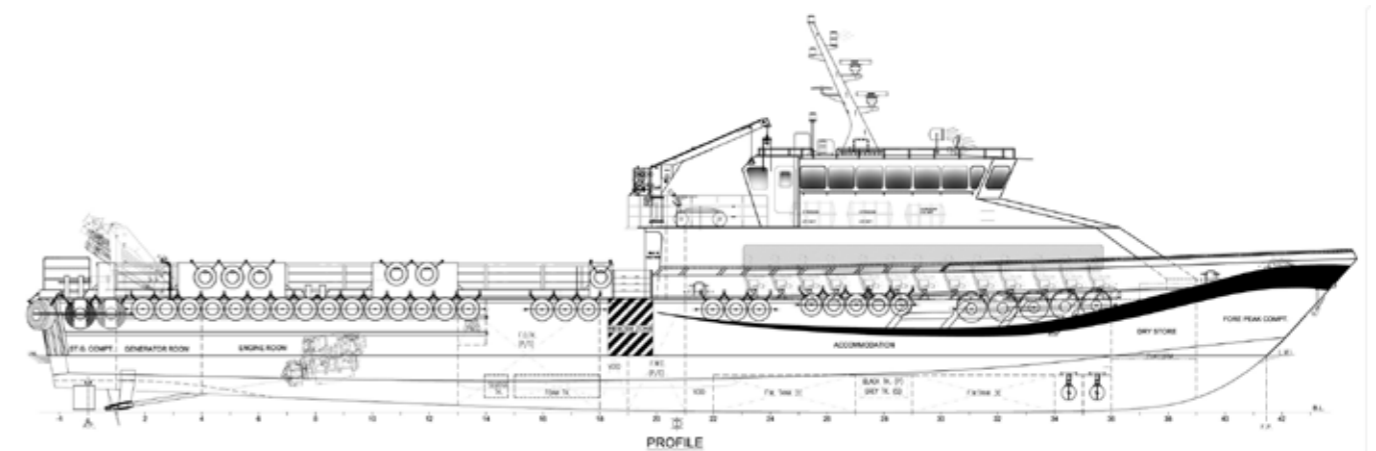
“It is gratifying to see the friendly cooperation that exists between the two companies, and indeed a pleasure to collaborate with Grandweld team throughout the years. The highly specialized shipbuilding team under your leadership has encouraged us to repeat business with Grandweld Shipyards hoping to achieve another successful

delivery in the forthcoming project.” said Shahram Nazemi, Global Marine Managing Director.

In addition to the three 42M crew boats to be built for Global Marine, Grandweld Shipyards has been awarded a contract to build 42M Aluminum Crew Boat for Wesal Shipping which was signed on the 9th October 2012.

PRINCIPAL PARTICULARS: FAST ALUMINIUM CREW BOAT

Length Overall.....42.00 metres
 Breadth.....7.30 metres
 Depth.....3.50 metres
 Deck Cargo.....90 Tons
 Deck Area.....110 SQM
 Seating Capacity.....83 Passengers
 Hull.....Aluminum



First Bourbon Seismic Support Vessel Launched

Grandweld Shipyards has successfully launched the first of six Seismic Support Vessels for Bourbon Offshore in December 10, 2012. Ordered in June 2011, the 54m vessels will be the first throughout the region to utilize a complete hybrid propulsion system which will assist in seismic operations such as towing, chasing, and transferring offshore supplies.

The vessels will utilize a highly flexible propulsion system which allows operation under various propulsion modes including diesel-mechanical, diesel-electric and hybrid mode. Depending on the operational scenario, the vessel will operate in the most optimum propulsion mode resulting in fuel savings and reduction in CO2 emissions.

The vessel delivery date has been extended and is now scheduled for delivery on February 26, 2013.

PRINCIPAL PARTICULARS: SEISMIC SUPPORT VESSEL

Length overall.....	53.8 meters
Breadth MLD.....	13.0 meters
Depth.....	6.30 meters
Bollard Pull.....	50 Tons
Complement.....	24 Persons
Hull.....	Steel



An Update On Grandweld Repair And Conversion Projects



In addition to the new shipbuilding contract awards, Grandweld Ship Repair has witnessed a busy period during Q3 and Q4 2012, having an order book filled with a variety of repair and modification projects from the region's leading ship owners and operators.

Grandweld is currently executing conversion of DLB Nand Gaurav into a Subsea Pipe Lay barge, which happens to be the first of its kind ever executed by similar shipyards in the Middle East. The project marks our foray into the core oil and gas industry, particularly subsea pipe laying vessels, and puts us into an altogether different genre with respect to ship repair and conversions.

The job involves fabrication and installation of a pipe laying stinger, its allied systems, installation of various pipe laying equipments including

2 nos. 75 Ton REMACUT Pipe Tensioners and a 180T A/R Winch. 2 additional 2000 KW WARTSILA generators are also to be installed and integrated into the existing power system along with replacement of the complete main switch board.

Another project for the repeat client Zamil Offshore is the conversion of 2 vessels into 4 point mooring diving support vessels. The client has chosen Grandweld to execute these series of projects due to the excellent support we have offered and not to mention timely completion without compromise on quality. The job involves installation of a pedestal crane, 4 point mooring winches with anchors, cow catchers and associated rigging and sheaves. Diving equipments viz. LARS, DDC, cylinder quads etc. are also being installed and powered up.

Another efficient repair job was accomplished on the vessel M.V ATCO SHARIFA for the owner A.A TURKI Corporation, Dammam, Saudi Arabia. The vessel was dry-docked in Grandweld Shipyards in Dubai Maritime City, and Special Damage Repair Surveys were carried out by American Bureau of Shipping Surveyors.

"The various repair jobs had been carried out in good order, and repair period was under the firm control. The workmanship, the enthusiasm of the workforce and the staff



to accomplish given task were absolutely incredible & exemplary. The professionalism, dedication, and effective co-operation displayed by the shipyard workforce contributed to the achievement of undocking the vessel in record time. The most endeavors were made to provide the best service and ship owners expressed their entire satisfaction, appreciation, and their intention for further long-term co-operation and business dealings with Grandweld Shipyards." commented Capt. Adib Al Qouqa, General Manager, and Capt. Erick F. Ambagan, Marine superintendent of ATCO Marine Services.



Further More, Grandweld was awarded the alignment job for the luxury Yacht "Touch Wood". Alignment for stern tubes, P brackets, and A brackets were checked using laser equipment. Laser alignment showed misalignment for both A brackets and P brackets on port and starboard sides. Chock fastening done after aligning A brackets, P brackets with reference to stern tubes.

Grandweld has also completed a major repair and modification job on the vessel "Falcon Tide" for Halliburton and Tide water. The repair job included:

- Build skid mounted removable platforms for installations above well stimulation equipments.
- Fabricate/install complete Piping system for Acid/Paragon/Sea water tanks.
- Complete overhaul /refurbishment of thrusters and stimulation pumps.
- Complete removals of well stimulation equipments/modify existing lay out/fabricate/install foundations for new equipments.
- Surface preparations by Hydroblasting and painting of decks in way of modifications.

Grandweld Shipyards Participates in Offshore Support Vessels Middle East 2012



Recommended owners to target optimized designs in their new investments in order to meet increasing demand from international oil companies for economical operation

Grandweld Shipyards participated in the Offshore Support Vessels Middle East conference which took place in JW Marriott Hotel in Dubai. Mahmoud Abki, a Naval Architect at Grandweld shipyards, delivered a presentation which focused on future market direction, along with the drive towards innovative designs and technologies in order to increase ship owner's profits and maintain long term sustainability.

Summary of Key points in Presentation:

- Design optimization needs to cater to current as well as anticipated future needs
- Investors and ship owners are recommended to target optimized designs that provide more value to International Oil Companies (IOC); more value can be provided by targeting vessels which offer reduced emission & fuel consumption as well as increased performance, safety and reliability
- Recent trends towards optimized design include:
 - Hydrodynamic design optimizations in terms of speed and seakeeping
 - Using designs that are fit to the vessel's operating profile
 - Hybrid/ Diesel Electric propulsion systems
 - Improved bridge design and customization
 - Dynamic position (DP2 minimum in deep waters)
 - Power management systems
 - LNG Power
- Design is only one aspect of economic operations – how the vessels do actually operate will be equally important

Grandweld Takes part at SMEM 2012

Grandweld Shipyards took part at Seatrade Middle East Maritime (SMEM) 2012 exhibition and conference, which was held at Dubai International Convention and Exhibition Centre from the 27th until the 29th of November 2012. Grandweld stand attracted a lot of local and international visitors who were keen to learn more about the company's extensive portfolio of offshore products and services, and the company's new facility at Dubai Maritime City which was inaugurated in October 2012.

SMEM 2012 is the region's leading shipping and maritime event in the Middle East attracting over 7000 visitors from 67 countries.

