

Albwardy Damen News



OEM REPRESENTATION

Niigata appoints Albwardy Damen as their service partner in the Middle East

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- » Rawabi Hybridization project
- » HSE-Risk assessment

ALBWARDY DAMEN

FOREWORD

We are facing a lot of turmoil in the world right now, leading to uncertainties for the near future which also affects world trade. However, we are lucky in UAE, where business is coming back close to normal.

In Albwardy Damen we are in the process of closing a very successful 2022. In all parts of the company we have seen good performance in 2022. New Building finished the Damen Multibuster 8020 in the very early part of 2022. 1st April we had the timely delivery of the Nigerian LST 100 to a happy customer, fully built during the Covid 19 period. In the middle of May we saw the converted Damen PSV 3300 leaving the yard after a conversion into a "shadow vessel" in full white colors and with the name *U 81*. Over the summer we got a lot of positive publicity from the *U 81* during her operation in the Mediterranean. We have an interesting pipeline for newbuilding and I am looking forward to inform you when some of these projects materialise.

Albwardy Damen repair has had a very busy 2022 with no slack period, which we have never experienced before. This trend has followed into 2023 and Hamriyah dockings are presently booked until mid-summer. We are pleased to see a huge number of repeat customers in both Dubai and Hamriyah at the moment. But we are also very pleased to welcome new customers to our facilities. It's tough to disappoint old customers which want to dock on short notice, and we have to ask for our customers understanding, but also urge them to let us know of their docking plans as early as possible to avoid disappointments.

In DMC we are very pleased to welcome Japanese Niigata. In May 2022 we agreed with Niigata that Albwardy Damen will be Niigata's spare parts and service representative in the Middle East. Niigata is recognized worldwide for the highly reliable medium speed engines and azimuth thrusters. We are very proud of this representation and will do our utmost to serve the local Niigata customers to the best.

Albwardy Damen Fujairah have also been successful during last years and we are adding new international customers to the portfolio.

Our Diving division is as always busy. With the new IMO rules which came into force at the start of 2023, we see a potential to grow our business in the hull cleaning segment. When we see this segment start growing we are ready to add more resources.

I hope you will enjoy reading this Newsletter. Should you have any comments or questions please don't hesitate to contact us.

With the Very Best Wishes for a Fantastic 2023.

Lars Seistrup
Managing Director

2023 #10

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Colophon

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NEWBUILDING

Building of four Stan Tugs for Swedish Navy

Damen Shipyards Sharjah has recently been awarded the construction and delivery of four no's customised Icebreaking Harbour Tugs for the Royal Swedish Navy. The supervising Authority is the FMV (Försvarets materielverk) – the Swedish Defence Material Administration, located in Stockholm. All vessels are the Damen Stan Tug 1706 ICE type, and were contracted from Damen Shipyards Hardinxveld to be built in Damen Shipyards Sharjah.

The importance that Swedish Navy attaches to this project is not only about quality and delivery schedule but also an audit of Yard Facility, Workers Accommodation inspection etc. to verify the Damen Shipyards Sharjah Workers' Welfare conditions, which were all found to be satisfactory.

A high profile Team from FMV and the Swedish Navy attended Damen Sharjah which included General

Patric Hjorth where the Keel Laying was done in a very traditional customary way in which coins are welded to the keel, the welding done by General Hjorth himself.

The vessels shall be a part of the auxiliary unit in the Swedish Navy and shall be able to assist in harbour operations by means of towing on a line and Pushing, towing, logistic support, ice breaking, and transfer.

The steel hulled, twin screw vessels are powered by two Volvo engines providing nearly 12 tons of bollard pull. With their similarity to Damen Stan Tug 1606 the vessels are designed to operate in ice with bow thruster. The Damen Shipyards Sharjah Management and the Project Team acknowledge the specific challenges that come with Military Vessels as

specified by the Military Administration. This we are excited to execute!

The first vessel ex-works Sharjah delivery is scheduled for end of May and the fourth vessel - end of July of 2023. In the words of General Patric Hjorth "they want the vessels ASAP". ◀◀

General Patric Hjorth welds the coin to the keel of the Stan Tug 1706 during the Keel Laying Ceremony.



From left to right: General Patric Hjorth (Director Naval Division at FMV), Martin Verstraaten (Sales Manager of Damen Shipyards) and Jon Methers (Staff Sergeant of the Swedish Navy).



SHARJAH REPAIRS

Rawabi installs battery system and is amongst the first hybrid vessel operator in the world

Albwardy Damen successfully completed its first hybridization upgrade for Rawabi. It is one of the first of its kind in the world, in the anchor handler segment. The vessel is now on hire with Saudi Aramco after her successful trials.

Rather than just optimizing batteries for the peak shaving, RVOS has gone up to the maximum specification of hybridization by installing twin containerized energy storage system (ESS) made up of 264 batteries/2.6MW power in total

and transformers which are controlled and monitored via an energy management system (EMS).The battery system is supplied by Wartsila.

Before hybridization to operate the vessel in DP2 mode, all four

generators running at 17-20% load with open bus-tie to meet FMEA requirements and after the upgrade, the same can be achieved with one generator at 70% load with a close bus-tie on DC link. RVOS expects this system to reduce the vessel fuel consumption and carbon emissions by 25% also the vessel's maintenance requirements and improve its operational performance.

With this upgrade, Albwardy Damen has now become the leading shipyard in the Middle East for hybridization projects for offshore operators. <<



RISK ASSESSMENT

Protect yourself and your colleagues!

Health and safety rules are there to protect us and those around us. Accidents basically resulted from lack of safety controls which obviously resulted from inadequate identification of foreseeable hazards and their occurrence. Accidents generally begs the question, was there a suitable risk assessment in place?

A risk assessment is not only an important tool in ensuring a safe and healthy work environment, but a legal requirement also. It needs to be conducted before employees' begin work on current, new or unknown parts, processes or materials. You must consider the possible causes of harm and what steps to take in preventing the harm in the first place.

A good risk assessment will help to prevent accidents and ill health. Accidents / ill-health not only have the potential to ruin lives, but they could also increase costs to businesses through lost output, compensation claims and higher insurance premiums.

Hence, every organization should have a robust risk management system to protect their employees, assets and environment from injury, loss or damage. It's crucial to note that contrary to popular belief, spotting potential hazards by conducting a risk assessment is not a way of stopping people from doing things, rather it identifies ways of enabling people to do things better and in a safe manner.

There are no set rules on how to conduct a risk assessment and the good news is that it doesn't have to be complicated. Every organization has its own way of managing the risks considering the nature of business, number of employees, hazard exposure etc. The general steps to take are:

- Identify the hazard
- Decide who could be harmed and how
- Evaluate the risks
- Establish controls
- Re-evaluate to know residual risk is acceptable to the organization
- Record the findings and implement
- Review your risk assessment as per internal governance.

When carrying out a risk assessment, we must remember that there is no one size fits for all. While risk assessments form the foundation of every organization, each business' risk will differ.

Since risk assessment is an integral part for the success of the shipyard operations, we at Albwardy Damen maintain a Risk Management procedure. To ensure the competency of line management in risk assessment process, we have implemented training and competency evaluation (written tests) for supervisors, coordinators, engineers, project managers, office staff etc. Albwardy Damen's risk register includes task specific (routine and non-routine operations) and at business level (significant risk & impact). <<



VOICE OF THE CUSTOMER

Turnkey double hull conversions for IBCO, Saudi Arabia



International Bunkering Company Ltd known as IBCO is based in Saudi Arabia on the Red Sea side and it is the main bunkering company in that area. IBCO operates a fleet of 6 product tankers of different DWT and LOA varying from 105m to 145 m.

As part of a life extension program of the 105M LOA product tankers MT AL SUMUO AL SAUDI and MT AL MAJD AL SAUDI, Albwardy Damen Shipyard Sharjah was selected by IBCO for converting these two single hull to double hull vessels as per latest SOLAS & IMO conventions and regulations. As a turnkey project, the complete project, including design, class approvals, updated manuals and stability was all carried out in-house by Albwardy Damen's engineering team and operations teams.

Albwardy Damen's engineering team has made the full conversion design, generated all necessary drawings and documentation for NKK Class approval and for the production drawings. The conversion of each vessel included installation of around 125 tons of new steel in various locations

on board; carrying out the required modification to the various piping system, air duct ventilation, access ladders, new manholes and adequate preservation of all areas.

To save time and cost, extensive prefabrication works were carried out in the workshop prior vessel arrival to the yard. The double hull conversion's related jobs were carried out in combination with the special survey repairs and with maintenance of various equipment and machineries on board the vessels.

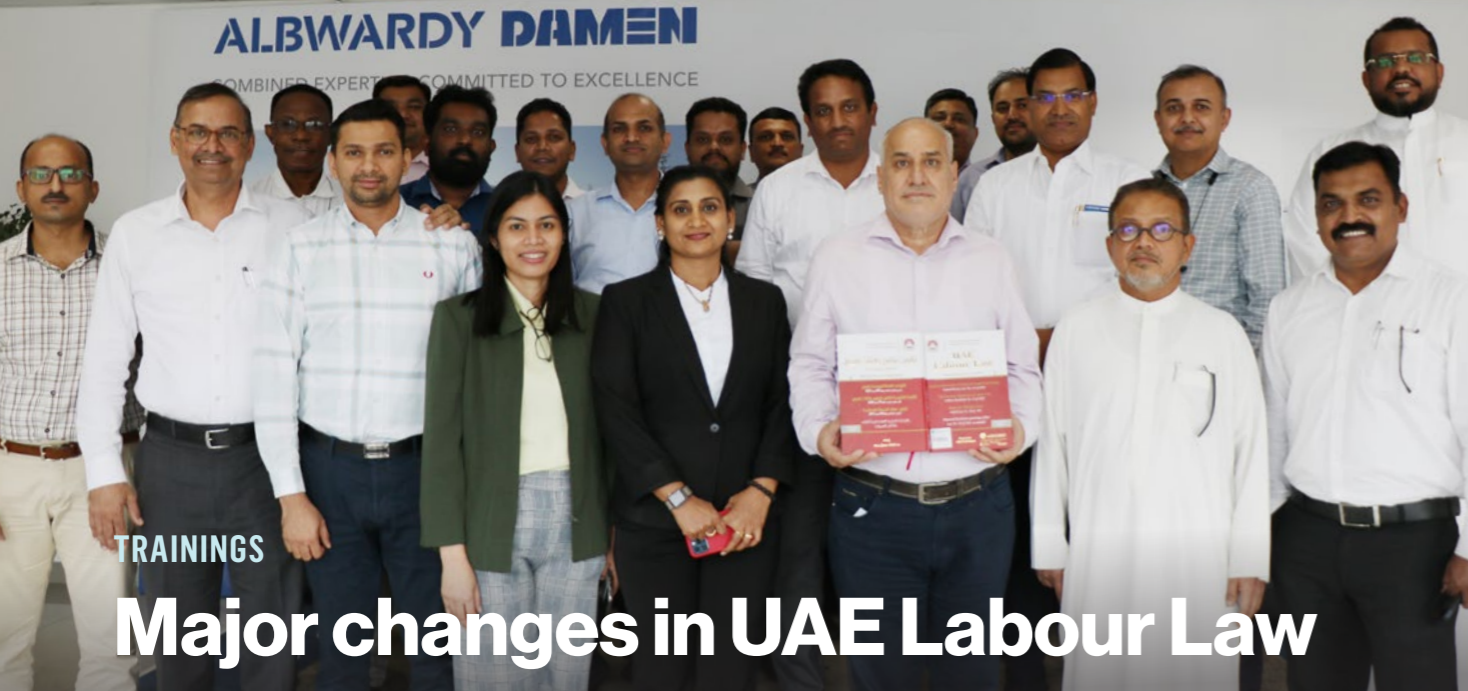
After completion of all modifications and repairs to the full satisfaction of Class and Owners representatives, an inclining experiment was carried out alongside the yard jetty and a new trim and

stability booklet prepared by our engineering and approved by class for each vessel.

Vessel sailed out from the Shipyard in compliance with all international regulations toward their destination of operation. Client is happy as well with the offered fair prices for the right services quality and for the completion of projects on time.

Mr. Freddy Malabed, a Naval Architect & Marine Engineer, the Technical Superintendent who managed both conversions and DD repairs, along with his team, commented at the end of projects: "As per his long experience in the UAE /KSA Albwardy Damen Sharjah is the right yard in the Middle East for such turnkey project. Full stop". <<





TRAININGS

Major changes in UAE Labour Law

The UAE Government caused an extensive revision of the country's Labour Law on 2-2-2022. This being the first major revision of the original Labour Law of 1980.

An overview of the comprehensive changes made include:

- Unlimited Contracts;
- New Categories of Leave;
- New Models of Work;
- Condensed Working week;
- Non-Competition Clause, among others.

Recently Albwardy Damen hosted the Human Resource Managers/PRO's from Sister Companies and all were taken through a comprehensive training by a specialist Governmental Body in the understanding of the New Law.

All employees will be briefed on the personal implications in future HR sessions and Toolbox talks. ⏪

FRESH GRADUATES TRAINING

Five ready for posting

These young men joined the company on August 25th 2022 and are just about completing the scheduled Fresh Graduates Induction Training. Of the five individuals, four completed their graduation with Bachelor of Technology (B.Tech.) Naval Architecture and Shipbuilding from Cochin University of Science and Technology in 2022 and one with Bachelor of Technology (B.Tech.) in Naval Architecture and Ocean Engineering from Indian Maritime University in 2021.

Just like the system in place at Albwardy Damen for recent graduates, they went through every single company process in all three locations - Sharjah Hamriyah, Dubai, and Fujairah backed by reports submitted periodically on what they actually learnt, if new or already known to them. Newsletter wishes them well as they take their postings. ⏪



TRAININGS

MKK Purifier Training in Japan

Original Equipment Manufacturer (OEM) trainings continue to take place, especially from our Principals. This forms part of Albwardy Damen's skills and competence boosting for job capabilities. 3 Engineers from the Specialist Services Unit recently attended the Purifier Training at Mitsubishi Kakoki Kaisha Company in Japan.

Among the various topics that the Engineers covered were:

- Working principle of a Purifier operation;

- History of MKK purifiers and current models in manufacturing, spare parts warehouse visit;
- Purifier models SJ-G & SJ-H series in details. This included dismantling, overhauling, boxing back all parts, checks to be done on Auto control panels, parameters setting prior to starting of purifier, troubleshooting points, gravity discs identification and how to identify Non-genuine parts.
- Elements of Bowl Balancing. ⏪



OUR EMPLOYEES

Thamban P. Operations Director



Working in similar Ship Repair/Ship Building industry in UAE for the past 22 years, I was fascinated to observe the multi-dimensional and structured growth of Alwardy Damen.

Finally my desire to join this elite team fulfilled in 2022 when I accepted the role of Operations Director Dubai & Fujairah. I remember our MD Lars Seistrup drive me through the DSS yard in an open golf cart, it was an astonishing experience to see how well the shipyard is organized and prepared to extend quality support for the vessels on repairs and rebuild. And I am very happy to be the part of this glorious team.

It's well-motivated and self-driven, operating in line with well-defined organizational objectives. For the ambitious and focused marine engineers Alwardy Damen is an ideal marine university to have success in their career and goals.

I am enjoying leading the highly professional and well directed team of DMC, Fujairah, Underwater Diving division, Niigata Services, Specialist Services and Hydraulic team who are all very consistent in delivering quality results.

For sure the tenure with Alwardy Damen will be an exceptional phase in my Marine career extending more than 37 years.

Marian Moraru Project Manager



I am so pleased to be part of the Alwardy Damen as a Project Manager. I am nearly 4 months old in the UAE and I already have the feeling that I have so much of experience in this nice country.

As my father and mother have been working within the Damen Shipyard Galati I had the strong desire to join the company so 15 years ago, after my Masters In Electrical Engineering in my home country Romania; I joined Damen Galati Shipyard

platform where I was involved in construction of different types vessels.

Basically I developed as an engineer with deep knowledge within engineering field, shipbuilding, oil and gas, onsite technical representation, factory acceptance testing, harbor acceptance testing and sea acceptance testing.

I look forward to very exciting times in Alwardy Damen.

Sergiy Khrystyuk Project Manager



Being an Oil & Gas and Shipbuilding professional I have an overall 22 years of experience, including 20 years in the Arab Gulf.

During these years I held multiple roles in Production and Project Departments in different Shipyards in the United Arab Emirates and overseas. My work portfolio includes construction

and repair works of the LNG carriers, ULCC Tankers, miscellaneous supply vessels, drilling, and accommodation rigs.

I started my career with a University B.Sc. Degree in Naval Architecture in my home country Ukraine. At work I obtained Master Degree in Business Administration obtained from the Wollongong University, Dubai; and a PMI-PMP certificate.

As a Project Manager, I managed teams working on massive steel replacement jobs, pipelines & HVAC and accommodation repair works on the Self Elevating Drilling and Accommodation Rigs and Land Rigs. As a part of my daily activities, I was providing an interface between the Company, Client, Classification Society, and multiple vendors and subcontractors.

I am very delighted to become part of Alwardy Damen and I trust and believe that my experience will be fully utilized for achieving the set objectives in the Company and I am seriously looking up to the challenges ahead.

OUR EMPLOYEES

Sports Tournament ends with Employees' Day

We can confidently say that the Corona Virus pandemic is firmly under control, hence the Alwardy Damen Management resumed last November, the Annual Sports and Games Tournament.

Various Teams were formed by Workers for Football, Volleyball, Tennis (Single/Double), Cricket, Basketball, Badminton. There were new venues for Cricket and Football this time, Unicorn Cricket Ground II for Cricket and Football at Power Sports Ground, all in Ajman. The League was busy all through December, with the finals in early January 2023. This was boosted by the UAE Weather which was very fine, temperatures cooling to around 14°C on some of the Games' days.

It is exciting to note that at the January 19th Safety Forum, Managing Director Lars appealed to all to register for the Field and Track Events; that he accepted the challenge from Warehouse Controller Slvanadiyan (a super heavyweight among all employees) for the 5 km Marathon competition!

The League Championship Gold Trophy for Winners and Silver for Runners Up were as follows:

	Football	Cricket	Volleyball	Tennis	Basketball	Badminton
1st	Invincibles	Invincibles	DMC United	Paul	Diving	Miraj
2nd	Sharp Shooters	Newcon Lions	Invincibles	Marc A	Gilas	Renjit

The Employees' Day was loaded with so much fun, which included Indoor Games, Outdoor and Track Events. The occasion started at 2pm, bringing the entire workforce from Fujairah, Sharjah and Dubai together, finally closing at 7:40pm. MD Mr Lars Seistrup – respectfully the only marathoner in his 60s in the 5 km Marathon among the 25 participating

Employees – was only six minutes behind the eventual Winner DSS Repairs Mechanic Rithu Lal who won the gold medal. Mr Lars participation indeed is obviously a wake-up call to all employees to engage in sporting activities for fitness and improved health!

100m x 4 Relay	200m x 4 Relay	1,500 km Race
HSEQ Samson & Co	Office Boy Hadkar & Co	DMC Driver Nar Bahadur

Etisalat Academy again hosted the Employees' Day with over a thousand Employees present. SS Sport Events coordinated the Day's program which

included Dancing Competition, Musical Sets, the Bollywood Dancers as well Belly Dancers Group entertaining the joyous employees. <<<



Cricket Champions



Soccer Champions



5 km marathoners with MD Lars O1



5 km marathon, MD Lars O1 runs



Volleyball Champions



Basketball winners, pose with HR Management



Bollywood Dancers entertain the workers



MD Lars awards the 100 m relay winners



Shawarma was served all through



Operations Director Marcel assisting workers with buffet

Niigata Power Systems appoints Albwardy Damen as their Service Partner in the Middle East



Niigata Power Systems, a pioneer Japanese equipment manufacturer in the marine industry, appointed Albwardy Damen as their Sales and service agent for NIIGATA Diesel engines and Marine propulsion systems.

Niigata Power systems is the only manufacturer in the world which makes both engine and azimuth Z-Pellers under original design, without mergers and acquisitions. With more than 100 years of history, Niigata is proud of its reliability and reputation among harbour and terminal tug and OSV operators across the world. The Japan-headquartered company manufactures engines producing a total of around 1 m horsepower a year and nearly 5,000 units of Z-Pellers have been delivered around the world. As an all-around power

system provider, they are also involved in diesel engines, gas engines, and gas turbines co-generation activity. Since the appointment AlbwardyDamen has set up a dedicated team servicing Niigata Engines and Z-Pellers in the region. We have a dedicated team for all our NIIGATA service and spare parts enquiries and can be reached at: niigata@albwardydamen.com. ◀◀

Diving for Sembcorp F1

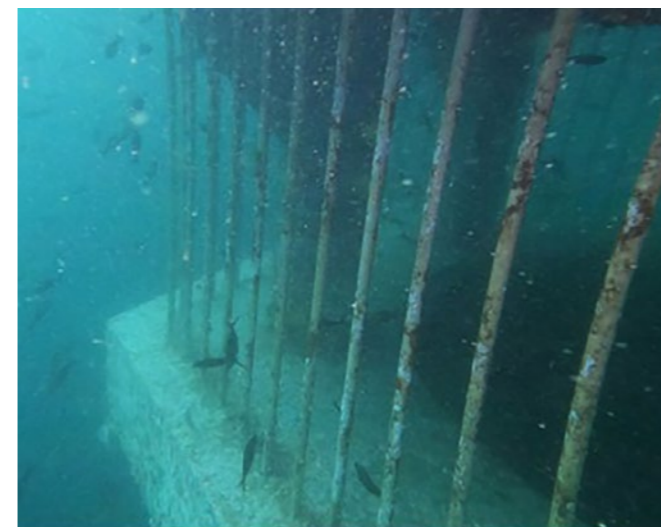
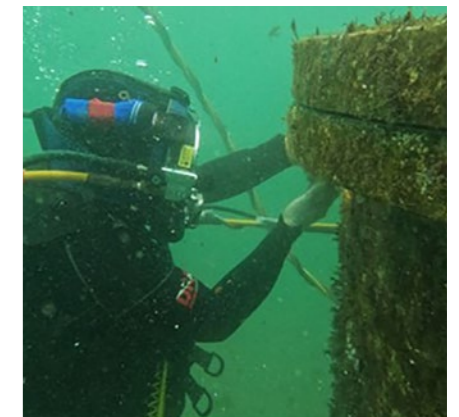
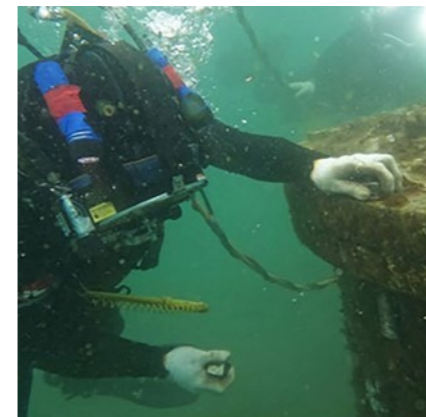
Sembcorp has been operating in Middle East for over 15 years and Fujairah has the largest Osmosis desalination facilities.

A sensitive facilities which requires a group of professional divers to take part in achieving the highest standard of quality and safety in providing clean potable water from seawater to help the increasing water demand here in U.A.E.

Albwardy Damen Diving team was contracted to inspect the RO intake lines, bellow mouths, gratings and chlorine pipelines of Sembcorp at Fujairah offshore. A team of 8 divers led by the Sr. dive Supervisor Mr. Vicente Dumaraog mobilized with their

complete diving gears, SRPs' or the Scuba replacement pack and dive computers aboard dive support vessel Sun Fox proceeded to the plant RO intake line of Sembcorp at Fujairah offshore.

These up-to three meter in diameter pipe lines were inspected and cleaned of marine growth. The job took nearly two weeks, Albwardy diving executed the job to the highest standard for diving. ◀◀



DUBAI OPERATIONS

Turbo charger overhauling

As the authorized service representative of MET Turbochargers, Albwardy Damen has successfully completed various MET servicing jobs at afloat and dry dock.

As these servicing are performed onboard we have ensured minimum time frame to avoid operational interruptions to the vessel. <<

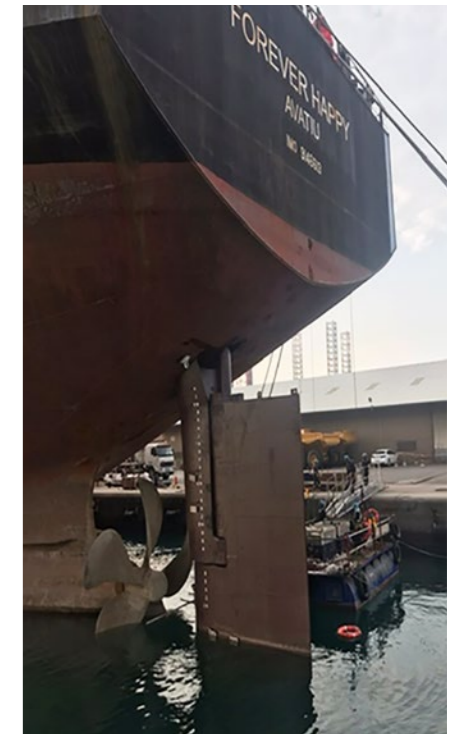
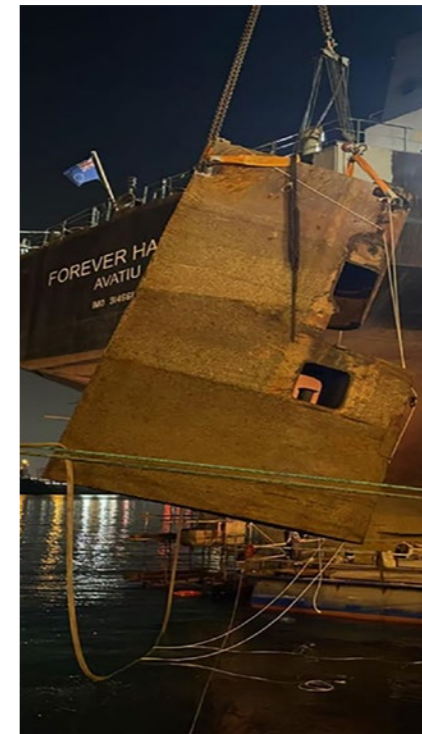


DUBAI OPERATIONS

Rudder stock renewal

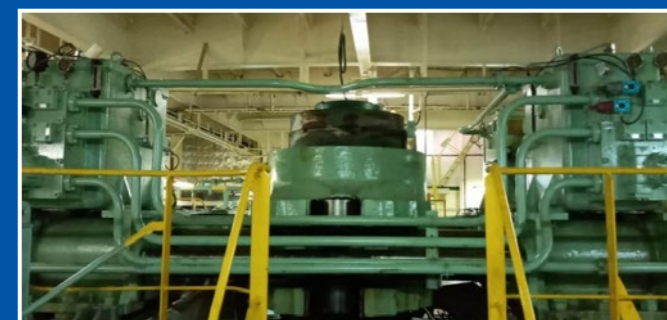
We did rudder stock renewal for Bulk Carrier Vessel 180 m LOA at Port Khalid alongside. It was very critical and challenging to accomplish this project in afloat condition. Rudder was weighing more than 25 tonnes. It was difficult to extract the rudder out due to inadequate trimming and increased sea traffic within the port basin.

Deployed 400-tonne crane to transfer the rudder blade from position to jetty. Extensive deformation observed not only on rudder stock, pintle and blade itself. Rudder stock was bent beyond limits. Replaced Rudder stock with new spare, machined the rudder blade flange, pintle pins and installed back with new bearings. <<



HYDRAULIC SERVICES

Kawasaki steering gear and fin stabilizer system



Albwardy Damen has undertaken overhaul of hydraulic valves for Kawasaki Steering Gear in Fujairah offshore. This job had to be carefully executed as due to ocean current the rudder was constantly moving and had to be locked in position and valves had to be overhauled.



Albwardy Damen has successfully carried out overhaul of fin stabilizer system including hydraulics. The maker of fin stabilizer is Quantum. It was a challenging job as working with yacht we

had to be very careful with cleanliness and had to avoid spillage of hydraulic oil, the working space was very cramped and hydraulic actuators were controlled by complex electronics servo valves. <<



Main engine crankshaft renewal



Our client contacted us for the replacement of their one of ship's main engine crankshaft renewal at Khorfakkan Port. This vessel was a chemical tanker with LOA 148 metres and year 2007 built. The vessel has two main engines of makers Bergen – Rolls Royce.

Ships STBD side main engine crankshaft was found damaged by the maker's inspection due to these heavy damages to the crankshaft, the engine was non-operational.

The major challenges in this project were handling of engine block & crankshaft inside the engine room and crankshaft rigging to & from the vessel. Since the engine room skylights and other openings were not sufficient to take out the crankshaft, after discussion with vessel owners we planned to cut the ship's hull at the engine room workshop area for proper access.

As many critical lifting operations are involved like the lifting of engine block and crankshaft, all lifting operations were done as per proper lifting plans and following safety risk assessments. The engine block weight was around 25 Tons and the crankshaft was around 5 Tons. Since the existing pad eyes on-board the engine room was not sufficient to lift these, we welded new heavy-duty pad eyes on-board and load tested. For lifting the engine block safely, suitable lifting brackets were fabricated which to fit with engine tie-rod bolts.

Since all engine items were removed, the client decided to go with overhauling of various engine components simultaneously with the job. Before the crankshaft installation, all the engine checks were carried out as per the maker's instructions. Like engine journal bearing pockets calibration, bearing pockets trueness check by laser alignment, etc.

After the installation new crankshaft to the engine and fixing of all engine components to the engine, engine alignments with flywheel side and damper side couplings lased alignments were carried out. After alignments readings were adjusted to limit values, carried out foundation resin chock fast.

After flushing the internal and external lube oil systems, the running in program and load trials were completed as per maker guidelines. The vessel completed the engine trial in the port berth and followed by a full sea trial at anchorage. The full repair was completed per the planned schedule and the vessel returned to service. <<

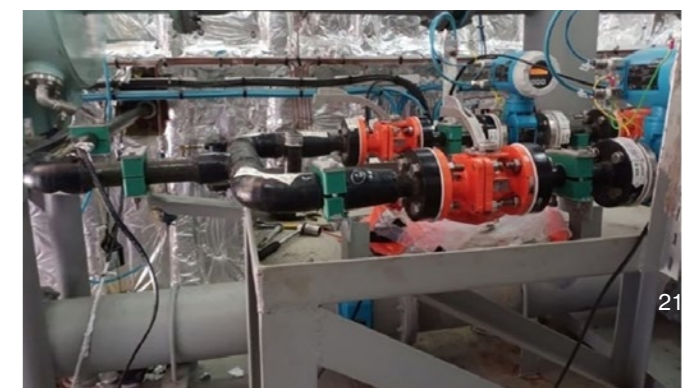
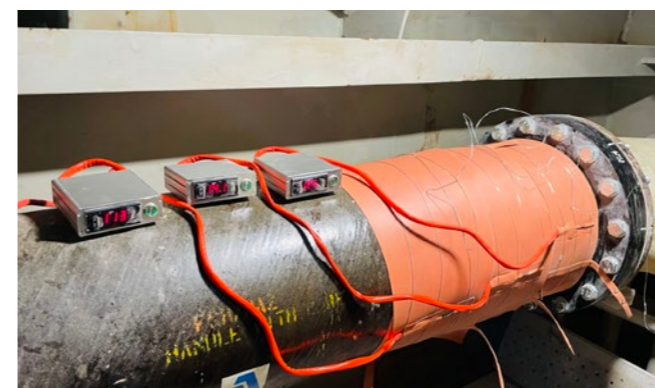
Glass reinforced epoxy (GRE) projects

We have a dedicated team for carrying out GRE & GRP pipeline installation, repairs, and retrofit jobs. Our specialized team also performs fiberglass coating works on fiberglass boats m fiberglass tanks, and ships scrubber overboard lines. We have been doing various kinds of GRE/GRP jobs offshore, sailing jobs, and at overseas ports.

Our in-house team is trained and certified for NOV bandstand fiber glass systems. For NOV bondstrand fiberglass systems, we meet all major classification society requirements as the pipe bonder's certifications are class approved.

Ballast GRE pipe repairs carried out onboard our client's vessel which was dry-docked at Oman dry-dock. The vessel's ballast system pipelines are of GRE pipe maker NOV bondstrand , 2000 M series pipes. Vessel owners contacted us to repair the ballast pipeline in STBD void space which was heavily leaking due to damages. After receiving materials onboard the vessel, we mobilized our team from UAE and attended to the job with the necessary GRE special tools in Oman. The GRE pipe was repaired onboard the vessel by removing the damaged pipe section and flanges. The new flange and pipe are pre-bonded with adhesive glue and then at the void tank, pipe ends are laminated together as per the NOV procedure. After proper cutting of adhesive joints and laminate joints, the pipelines were successfully tested.

BWTS dosing line GRE pipe renewal carried out onboard our client's vessel during sailing. Vessel owners contacted us for renewal of their BWTS system ClO₂ dosing pipes which are of makers NOV bondstrand,7000M Series. Owners requested to renew all GRE dosing lines in the main deck which was almost 90 meters long 2-inch pipes. Since the vessel's stay of duration at Fujairah was very short only for bunker operations, the owners requested to arrange a team to sail with vessel and finish the job in 4 days. Our team boarded the vessel from Fujairah port and commenced the jobs. As committed to the client we finished GRE pipes renewal in 4 days and we were able to meet ship's schedule including operational testing of BWTS dosing lines onboard the vessel. After the completion of the jobs, the team disembarked at Salalah Port. <<



Let's get rid of all the sand!

Damen Services Middle East, what is it you do exactly. Well that can be translated in a very short answer or a very long one. But basically we do all aftersales services in the Middle East region and in combination with the available Albwardy Damen recourses we are able to offer all services required.

More and more we are getting involved in the dredging industry, which is a great opportunity to expand our knowledge and services.

Ships and water, Dredgers and water deepening for more Damen vessels to sail. Water, the lifeblood of Damen. Or not?

A new experience was brought to us in 2022, Sand. You can get stuck on it when running aground with your ship, blocking the cooling water filters when you most need them, blow in your eyes just when you don't expect, what is it good for... yes, you can dig it away! And that's exactly what one of our customers is going to do and is doing as I write. The Abu Dhabi desert, lots of

sand to get rid of and what are the perfect machines to do that, the Damen CSD500. Two CSD's were bought by Golden Falcon (currently NMDC) and were transported into the Abu Dhabi desert. Giant holes were dug in the sand until 8 meters lower the salty ground water appeared. Perfect playground for our machines. A 40 kilometer channel has to be created in the desert, so for the coming decade our dredgers will be struggling to get this done.

Great opportunity for us, lots of years services and parts will be required. It is quite a drive to get on site and you need a bit of ground clearance of your car but hey, no port to enter, no custom clearance required, no gate passes

to arrange, just park the car next to the sand pit and jump on board.

Well, you need to jump on a sort of raft, balance yourself very well and use body power to pull yourself to the dredger. Once on board of the dredger in the pit, there is no telephone signal, only sand in your eyes and the sun burning down on us mortals. Not the easiest place to get things done but the customer already smiles when we come on board because he knows we will fix it.

Let the dredgers come, more and more. Let's get rid of all the sand!

Paul Knaap
Services operations manager



» ASD Tug 2811
Rawabi Vallianz Offshore Services



» Stan Tug 1907
Port Sudan Corporation



» Cutter Suction Dredger 650
Damen Dredging Equipment



» Oil Spill Recovery Vessel 5009
ADNOC UAE



» U 81
Ulysses IV Ltd



» Cutter Suction Dredger 500
Golden Falcon



» ASD Tug 2009
Royal Oman Navy



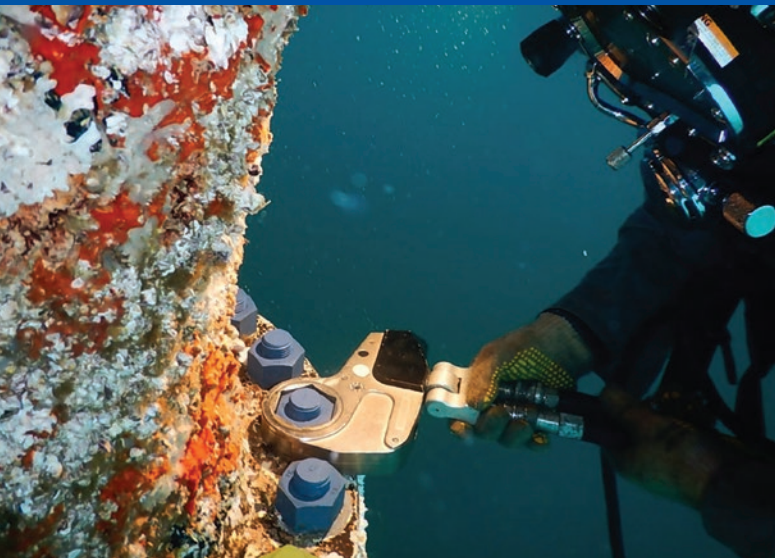
Ship repair

Since 1978, Albwardy Damen has been providing a complete package of professional ship repair, shipbuilding and marine engineering services.



Afloat repairs

CDC & BOSIET Certified Riding squads are available to meet customer requirements on board vessels.



Diving services

Albwardy Diving Services is headquartered in Fujairah from where it serves the UAE Ports, Anchorages and beyond.



New building

Supported by Damen quality building technology we build Damen as well as non-Damen designs in steel and aluminum up to 120 metres.

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