

Albwardy Damen News



NEWBUILDING

Damen Multibuster 8020 completion

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FOREWORD

We are now getting close to the end of a very busy 2021. Our new building department is in the final stage with both the LST 100 for the Nigerian Navy and the Damen Multi Buster 8020. These are the two biggest vessels ever built by Albwardy Damen. These projects have clearly shown the potential in Albwardy Damen new building. The LST 100 is the first vessel we have built fully to Naval specification. The Damen Multibuster 8020 is a shallow draft, multipurpose offshore vessel which has been built on speculation. Here close to its completion, we start seeing interest for this very nice vessel. The steel cutting for new vessels taking place at the moment is for smaller vessels, but we will for sure be back on the larger types as well.

Albwardy Damen repair has had a busy 2021, except for a period during the late summer. We see primarily repeat customers in both Dubai and Hamriyah, but we are also enjoying new customers filling up the yard at the moment. Unfortunately this also means that it's difficult to dock vessel on short notice, we have to ask for our customers understanding for the time being.

We are expanding our capacity in the Hamriyah facility with an extra dry berth, to be named DB9. The first vessels should be able to use the new DB9 in January 2022.

In Albwardy Damen we are very pleased that people in general decide to stay with us for many years. During 2021 we could congratulate 15 people for 25 years in Albwardy Damen. Two of these from the management team, Pradip Saudagar, Finance & HR Director and Mohammed Shihabudeen (Shibu), Commercial Director. A BIG CONGRATULATIONS and THANKS to all 15.

Those of you who come to Hamriyah on a regular basis will have noticed that we have shifted the entry road. This has been done at the request of Lamprell, for them to connect their working areas.

In Fujairah we are moving ahead steadily with our work shop and an expanding diving division.

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 Happy Festive Season and Prosperous 2022.

Lars Seistrup
Managing Director

2021 #9

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DAMEN MULTIBUSTER 8020

Completion

Damen Multibuster 8020 (DMB 8020) is a Multifunctional Diesel Electric DP2 vessel with exceptionally shallow draft capabilities. Having 80 metres length and 800 square metres of deck area with a draft of 3.4 metres makes her suitable for various heavy duty jobs in shallow water which is a very rare combination for an 80 metres long vessel.

The bottom of the vessel is specially designed with high strength so that she can be Beached for various cable laying jobs. Vessel is built with CLEANSHIP, GREEN PASSPORT, COMF3 and Fire Fighting 1 Notation. She is equipped with an Active Heave Compensated Hydraulic Knuckle boom Offshore Crane from Heila with 65 tonne capacity at 9.6 m radius and 13.5

tonne at 29.9 m radius. Multibuster is equipped to carry 60 men onboard for various offshore duties and having finest accommodation facilities. She is readily capable to be a Diving support vessel.

The complete process from basic design, detailed engineering, procurement and production was managed in-house within Albwardy Damen which was a great

achievement for this prototype electric propulsion vessel. After launching on the 2nd of August 2021, we completed the commissioning of all equipment and harbour acceptance trials completed in mid-November, right now she is performing her yard sea trials. Sea trials are planned for 13 days to check the performances including DP FMEA Trials. During the official sea trials each system

will be tested carefully with acceptance from Bureau Veritas.

As we are nearly reaching vessel ready for delivery, I would like to mention few names here who were core team on the project. Basic engineering and detailed engineering were taken care by Midhun Moidunny (Naval Architect) and Samir Nasnodker (Electrical Engineer). Our Purchaser Tom Jose who was responsible for complete purchase process from overseas and local. Rahul Haridas and Sethu Raj (Project Engineers) who were my right and left hand onboard from monitoring, controlling and coordinating all the processes involved including commissioning. I also like to thank

each and every person who involved in the project directly or indirectly. I also like to express about the support from Damen Services Middle east for commissioning activities.

In this project, we have worked together with two major subcontractors, Modutec (Accommodation outfit Subcontractor) and CASP Heinen & Hopman Company (HVAC Subcontractor). We have also worked closely with all equipment manufacturers from overseas and local such as Pon Power, Schottel, Elkon, Kongsberg for NavCom and DP, Radio Holland for internal communication systems, FFS, Technology Ventures, Alfa Laval

and Vikings Life Savings Equipment for the successful design, installation and commissioning.

At yard sea trials, I felt so proud of the team and of our yard. Despite the challenges of building this complex, prototype vessel, they all remained positive throughout and overcame each challenge as it arose and we successfully performed the yard sea trials. With all the efforts and supports within Albwardy-Damen, I can assure you that we have built a great Damen Vessel, Multibuster 8020.

Sajan Karolkuni
Project Manager – DMB8020



SHARJAH REPAIRS

LPG Tanker *Epic Bermuda* repair project

Late summer BW Epic Kosan awarded their LPG Tanker repair project *Epic Bermuda* to Albwardy Damen. Our experience with docking and afloat works on LPG tankers in recent years was a big part of the decision to award the docking to Albwardy Damen.

The vessel was docked in our Sharjah facility and with a total length of 120 meters she was close to our maximum capacity. The docking was for a three weeks period, and was completed within agreed scope and time.

The work scope was comprehensive, ranging from the

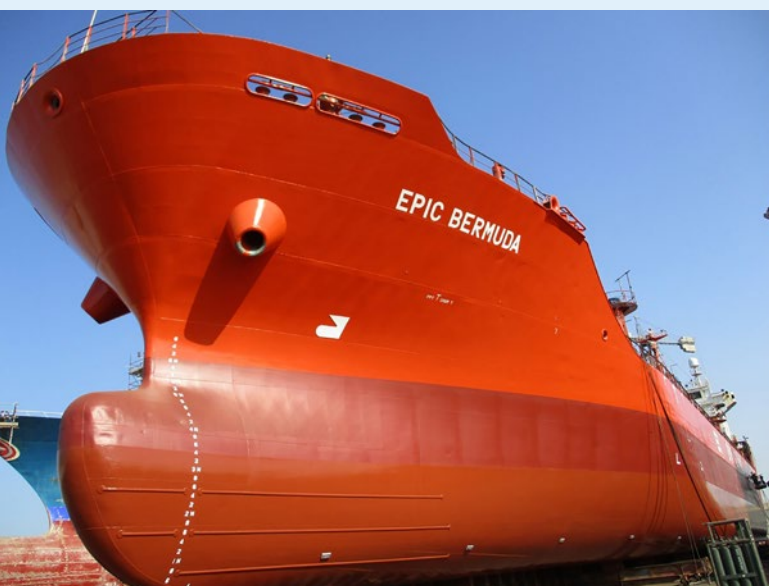
standard dry-docking items, hull treatment works to mechanical repairs. An extensive paint system and a silicon paint antifouling coating system has been applied on completion of routine side shell repairs and hull preservation works. The complete cargo system was fully inspected, tested and re-certified. We renewed various

sections of the cargo pipes and vapor lines using special grade low temperature material and class approved procedures.

Our in-house pipe fabrication team has recently been moved to a dedicated workshop centrally located in the yard and is producing all piping in many materials for our newbuilding and repair departments. They also have the experience and procedures in place to carry out pipe renewals on LPG cargo systems which was very supportive to this project.

Best regards,

Mohamad Salim Zaaier
Ship Manager - Repairs





FUJAIRAH REPAIRS

Sideshell repairs at Khorfakkan anchorage

The oil tanker vessel *Hellas Enterprise* had steel damage on sideshell during her Sudan anchorage stay. Owners approached our Greece agent DMI (Hellas) Ltd for repairs.

As the vessel was still in operation but had a scheduled stop in Khorfakkan our Fujairah team submitted a repair proposal based on a report with pictures from the crew. Eventually she arrived at the Khorfakkan anchorage on the 9th November for steel renewal. A repair team of twelve technicians with all the necessary materials and equipments were mobilised on the same day to start the repairs. Entire job was expected to complete in one week. After a joint inspection onboard, additional steel renewal was observed. Due to vessel's very tight schedule, it was not possible to get extra days for the additional

repairs. After mutual discussions between repairs supervisor and vessel's technical fleet manager, it was agreed to complete the additional jobs within same agreed time frame of one week.

Additional resources were arranged and entire job was completed within the same agreed time frame. Repair team disembarked from vessel on 16th November 2021. Client was very much satisfied with the repair team and commented: "Works completed on time with excellent results and HSE compliance was more than excellent." ■



VOICE OF CUSTOMER

DEME

Our valued customer DEME from Belgium operates a global fleet of Dredgers, windfarm installation vessels and support craft active in the renewables industry. Their Backhoe Dredger Pinocchio arrived on Albwardy Damen Sharjah in February 2020, and due to the Covid pandemic the repairs had to be interrupted due to flight and transport restrictions in April 2020. As such the ongoing hull works have been completed in 2020, and the Pinocchio has been put in cold lay-up in the premises of Albwardy

Damen Sharjah. The shipyard took good care of the Pinocchio during this lay-up period.

Mr Stijn Vanderbeken, Docking team leader and OM technical for DEME, Belgium comments: "End of August 2021 has been decided by DEME to restart the intended repairs on the *Pinocchio*. The shipyard was fully committed to restart this repair, reserved a dock slot immediately and with the same team as in 2020, what has shown his benefits. After 17





months of cold lay-up from the *Pinocchio* by the full commitment of the shipyard, we (DEME and Albwardy Damen) managed to give a kick start to this repairs. The shipyard team is on top of the planning and commits to it."

The main repairs for shipyard are spud corner block replacement, spud carrier track and spud carrier, hydraulic driven spud winches and sheaves. For the Deme the biggest scope is the rebuild of the 996

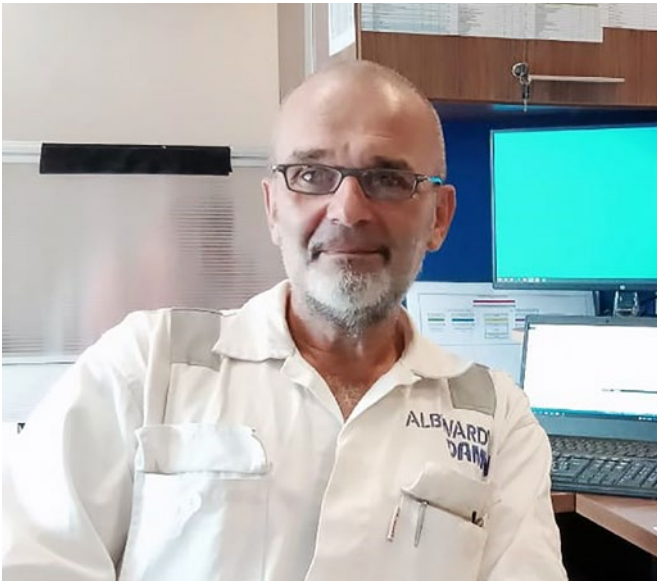
excavator, with the very flexible crane support of the shipyard. The project is still ongoing, but thus far Deme is well satisfied with the performance of the shipyard Albwardy Damen and trusts in an on time delivery of the vessel.

Stijn Vanderbeken
Docking Team Leader
OM - Technical



OUR EMPLOYEES

Živković Vojislav



I am a rookie in AlbwardyDamen, joining the Company just six months ago.

By vocation I am M. Sc. Naval Architect and Mechanical Engineering. I started my career back in 1985, in my home country Serbia, alternating my preference between private business, shipyards and heavy industry firms. That irresolution lasted till 1997, when I began to work for Damen Group. There I spent next 25 years until May 2021, working in several different countries, but most of the time in Damen Shipyard Galati – Romania.

Here in DSS, I have to admit that the first few weeks after my arrival in Albwardy Damen, were not easy. The environmental change was significant and sudden. Different culture, challenging climate and dissimilar organization of the work in the Yard, made it difficult at the beginning. However, as it usually happens, if given enough time all the things settled down.

Now I am happy to learn new approaches in shipbuilding practice, witness different solutions to the same old problems and experience unique feeling while working in multicultural environment. “One should learn as long as he lives” – says famous proverb and I fully agree. ■

Vitaliy Alekseenko



Short article introducing myself.

My background is Naval Architecture and I started my journey in Shipbuilding back in 2000 after I obtained my Master of Engineering (MEng) degree at Sevastopol State Technical University.

So as of today, it is already two decades of experience accumulated in Marine and Oil & Gas industries in the field of new building, refurbishment, modifications, upgrades and repairs of various vessels and offshore structures.

I'm staying in UAE last 17 years and was working for the region's largest marine companies throughout all these years.

Joining Albwardy Damen is a long-term professional goal in my career path with a commitment to add value to organization through my own potential, technical skills and experience. ■

15 employees celebrated 25 years employment in 2021

This year two members of the management team have been in service for 25 years and both were handed over their long service awards at the Board of Directors Meeting in November. The Chairman of Albwardy Damen, Mr Ali Albwardy joined Managing Director Mr Lars Seistrup and presented Certificates of Appreciation to Mr Pradip Saudagar, Finance & HR Director and Mr Mohammed Shihabudeen (Shibu), Commercial Director. Both have been instrumental

and hands on in the growth and success of Albwardy Damen. Mr Pradip joined Albwardy Marine Engineering's finance team in Jadaf on the 30th November 1996 and Mr Shibu joined on the 16th June 1996.

For all the 15 people we want to pass on a BIG CONGRATULATIONS and THANKS for being a part of Albwardy Damen for 25 years. ■



TRAINING

New batch of fresh graduates

The Company welcomes another batch of four fresh graduates from the Cochin University of Science and Technology (CUSAT).

The four who completed in year 2020 and also year 2021 all graduated with Bachelors of Technology (B.Tech) Degree in Naval Architecture & Shipbuilding.

As is the system for fresh graduates in Albwardy Damen, these youngmen will follow over six-months' rigid apprentice program where they will go

through every single company process in all three locations, Sharjah Hamriyah, Dubai and in Fujairah including Diving.

They shall be equaled to floor-based workers during the said period, preparing clear reports periodically on what each was involved in, what was newly learnt etc. ■



On the picture from left to right: A. J. Prakash (22 years); J. Richard (22 years); Kiran A. (23 years). All three of year 2021 CUSAT batch and lastly Sree Sankar M. (22 years) of year 2020.



What is the value of ‘Albwardy Damen values’ to employees?

About sixty employees of various designations who joined since last year, spent time with the Managing Director Mr Lars Seistrup in three different batches so as to share the “living our values” and the impact on overall company performance.



In a very relaxed atmosphere, they were taken through every single sentence, how essential that relates to an Employee in each of the 5-Prong Core Values of “Safety”, “Our Employees”, “Constant Care”, “One Family” and “Our Name”.

The attendees took the opportunity to ask various questions regarding Company’s Mission and Vision; future goals, job security, their growth potentials and many requested a repeat at periodic intervals of such management-worker sessions. ■

HAND SAFETY CAMPAIGN

How important are your hands?

Hand is one of the most complex parts of the body. The movement of tendons, bones, tissues and nerves allows you to grip and do a wide variety of complex jobs. Without your hands, it would be extremely difficult to do routine simple tasks such as opening door, using a fork or tying your shoes. Your hands make you a skilled, valuable worker.

The improper use or misuse of hand tools may cause minor to severe hand injuries. Hand injuries are likely when the wrong tool is used or right tool is used improperly.

Being is an important part of our body, protection of hand from dangers at workplace is extremely important. At work, hands are prone to be exposed to line of fire dangers, chemicals, manual handling, hazardous machineries, hand & power tools, equipment etc. Keeping employees skilled / expertise in these areas is an important task for any safety committed organization.

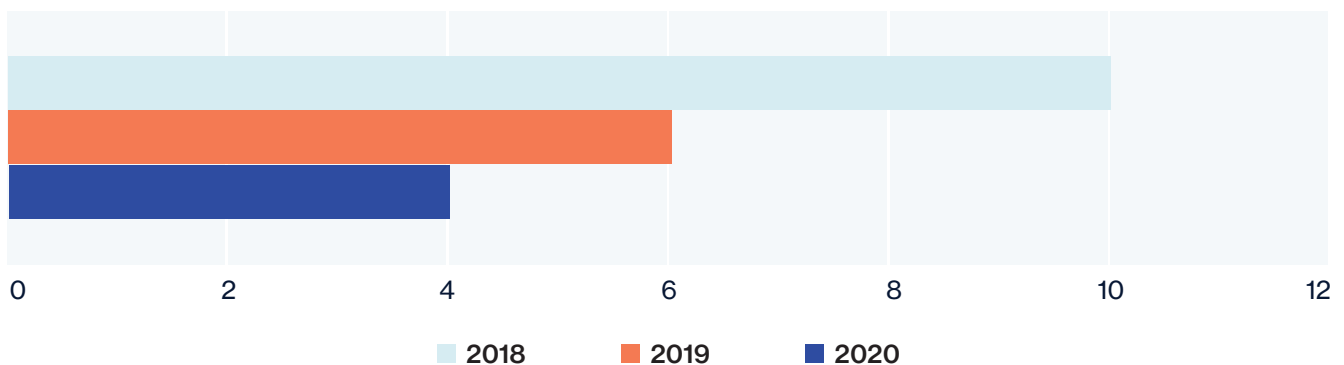
At Albwardy Damen, we have witnessed a downtrend in number of hand injuries for the last three years, resulted from awareness sessions, training, campaigns, Behavioral safety interventions, incident corrective actions etc. This has contributed to reducing overall Total Recordable Injury cases as well.

Current scenario

But in 2021, our business has incurred with four hand injuries in six months. Since the management is keenly reviewing the incident cases and its causes, we decided to roll out a safety campaign on Hand Safety across the business locations to enhance employee awareness on hand safety. Two months long campaign was initiated in the first week of October with the theme, 'Protect your Hands from Injuries'.

The campaign comprises communication and awareness sessions in various forms; safety banners, posters, training, workplace inspections and interventions, toolbox meetings, management briefings etc. Effectiveness of the campaign is monitored for compliance by the line management and HSE team through daily site visits, inspections, incidents including near misses etc. ■

Hand injury statistics





ALBWARDY DAMEN

INJURY FREE HAND SAFETY CAMPAIGN

Protect your Hands



DIVING

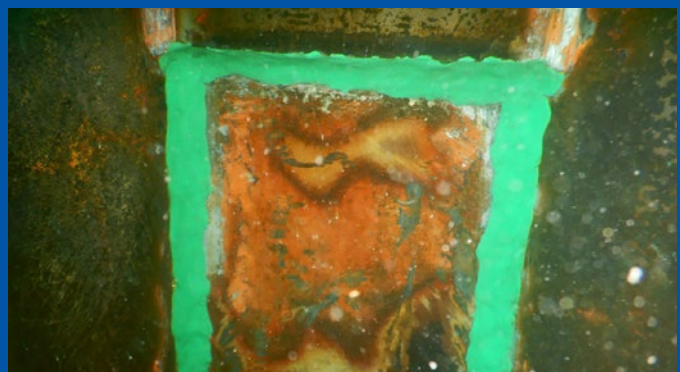
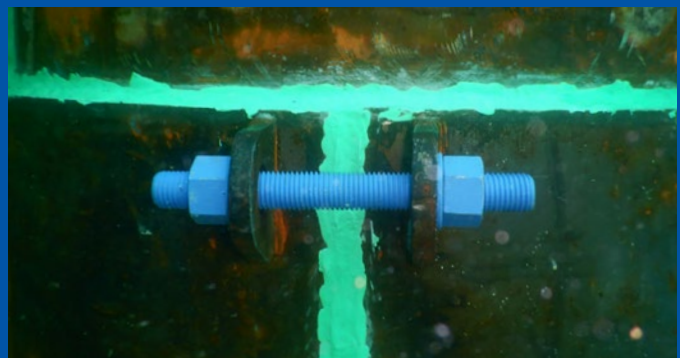
Underwater repairs at Vopak Horizon terminal

One of the services which has been awarded to our diving team this year was underwater crack repair at two locations for one of the piles at Vopak Horizon with a diameter of 914 mm.

This is by installation of huge doubler plates each measuring 600 mm wide, 1500 mm long and 20 mm thick with two plates for each location. This is a meticulous operation that requires skilled divers who have the relevant know-how and experience to resolve all the technical difficulties encountered during underwater operations.

The use of doubler plates is a temporary method of repair to add reinforcement to corroded and cracked plates, or defective welds. Generally the operation begins by cleaning the surface areas in preparation for the underwater welding. The doubler plates are then placed over the area where there is a crack.

Albwardy Damen has underwater welders trained and certified, ready for any job. The divers welded the plates in place and finally the welded area surrounding the plate was applied with underwater putty. As per our procedure and in line with the clients requirements, the job was carried out following strict safety protocol and with the best quality possible. ■



The *Safmarine Nyassa* monorail crane remove, refit & refurbishment



The MV *Safmarine Nyassa*, a 210 m long cellular container ship owned and managed by Maersk Line, sustained considerable damage to its monorail crane due to contact with the ports gantry crane. Due to the tight schedule of the vessel it had to sail with the crane out of service.

Maersk Line contacted Albwardy Damen and sent the structural drawings of the crane along with photographs and class reports detailing the damage sustained and asked for a repair proposal. The repair procedure was prepared and approved by both Maersk and the Classification society, and the job was awarded to Albwardy Damen.

During the *Safmarine Nyassa*'s next scheduled port call to Jebel Ali, Albwardy Damen's afloat

repair team attended the vessel to remove the monorail crane from the vessel. This was completed by releasing the monorail crane and beam from its foundations and removing it from the vessel using two mobile cranes in tandem. Once the monorail crane and beam were safely removed, they were transported to our Afloat Repairs Workshop in Dubai Maritime City.

Albwardy Damen's QC and Engineering Team then prepared

the final repair plan and the monorail crane was stripped down, the electrical control wirings, hydraulic lines, wire ropes, etc. were all removed and renewed and the damaged sections of the crane beam were replaced. NDT was carried out as per class requirement.

During the next scheduled port call of the *Safmarine Nyassa* to Jebel Ali the monorail crane and beam was safely installed back on board again using Albwardy Damen's trained riggers and banksmen using a tandem lifting technique with two mobile cranes.

Job was completed to satisfaction of the Client and the Class. ■

LAUNCH

New Damen Landing Ship Transport (LST) 100 for Nigerian Navy launched at Albwardy Damen, Sharjah

The new, 100-metre LST 100 for the Nigerian Navy has been launched at Albwardy Damen, Sharjah, UAE a few months ago. On completion the 100-metre, roll-on-roll-off landing ship will have the capacity to accommodate a crew of 32 and 250 Embarked Marine Forces personnel.

The vessel also has deck space for vehicles, a helicopter / UAV deck and significant space for cargo, which can be loaded via both a stern and a bow ramp or using the 25-tonne main crane.

These and other capabilities will enhance the Nigerian Navy's ability to deploy troops and military hardware and vehicles in support of maritime security operations, as well as the supply of relief material in the event of disasters or other crises. Overall, it will be a critical component of power projection for the enhancement of Nigeria's maritime security at every level.

Damen's selection for this project was based on its record of high-quality shipbuilding as well as its ability to adhere to the challenging timeframe. The confidence placed in Damen was well justified given the timely launching ceremony despite the disruptions caused by the COVID-19 pandemic.

Damen offers a wide range of standardised LST vessels from 40-metres up to 120-metres, all fully customisable to meet the specific needs of each client.

The Nigerian Navy's LST 100 is scheduled for delivery in 2022. ■



New deliveries

Damen Services Middle East are carrying out the commissioning of systems on board a **Damen Multibuster (DMB8020)**, a **Military Ro-Ro vessel (LST100)** as well as a **Shoalbuster (SHB3815)**.

The expertise of Damen Services Middle East in mechanical, hydraulic as well as electric, electronic and automation systems is put to use in these projects. During commissioning projects Damen Service Middle East is fully utilizing our local pool of field service engineers with various specializations as well our access to the global Damen

Services pool of specialist engineers. This is a very cost effective way to bring the expertise needed for any commissioning as well as refit or repair project to our clients in the region.

Damen Services Middle East have long been working in Pakistan, and to further improve our

services locally we will have a permanent team member stationed in Karachi from January 2022. With this addition to the team we maintain our advantages of being a multinational company with the ability to make global resources available locally conveniently and efficiently in line with the Damen philosophy of Think Global – Act Local.

Christian Ross Nielsen
Service Hub Director Middle East
Damen Services





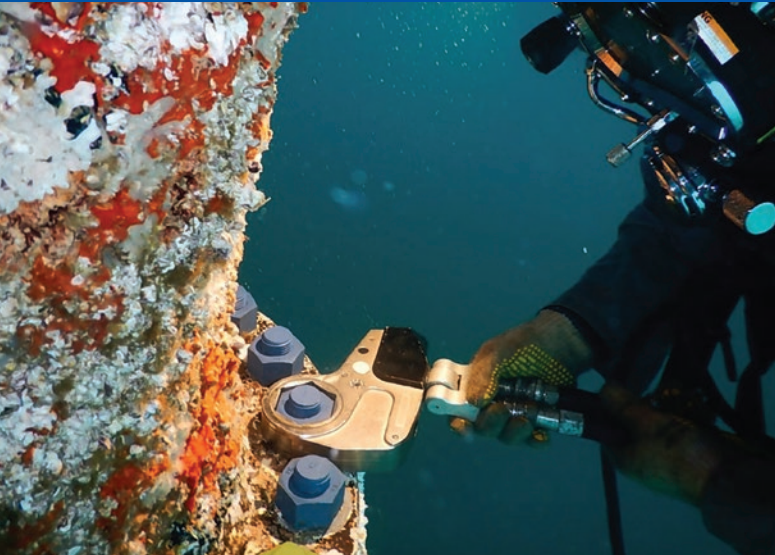
Ship repair

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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