

ALBWARDY DAMEN NEWS

NUMBER 6 - SEPTEMBER 2019

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ALBWARDY DAMEN

Voice of MD

Dear All,

In the early days of September, we had the pleasure of welcoming the Damen owner and Chairman Mr. Kommer Damen, to the yard in Hamriyah. On the cover page you will see Mr. Damen in front of our new building shed with the Damen Shoalbuster 3815.

We getting close to the end of 2019 and I pleased to see that all our Albwardy Damen employees manage to keep up a very high Safety and Quality level.

We are clearly still in a difficult period for the marine industry in general, and the off shore sector is taking a big hit. Slowly we see more projects coming up, but the day rates are still rock bottom. The big question is when the market will be back to normal. Your guess is as good as mine. Best case looks like some time during 2021. So the ship owners, and thereby us as a shipyard, will face another tough year in 2020.

As usual the docking market is cyclic and very difficult to foresee the up and down turns. In general we have had a fair workload for dockings. Afloat repairs and diving has so far been fairly good, but we are not sure how the new insurance restrictions for the UAE east coast will affect the afloat repair, but it will most likely have a negative effect.

New building is looking good for 2020 with a couple of big projects and some smaller. One of the big projects is the totally new Damen Multibuster design. This 80 x 20 meter multipurpose shallow draft vessel will fit very well in a number of operations in the Gulf area. We will also finish construction of a new design Shoalbuster 38 x 15 meter (SHB 3815) also super shallow design. There have been quite some interest for this vessel, she will be ready for delivery in the end of November. The SHB 3815 will be one of the new buildings up for show during our Open Day on the 26th of September, where we are looking forward to welcome customers and stakeholders.

*Lars Seistrup
Managing Director*

COLOFON

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13 BIG CHALLENGES IN FUJAIRAH



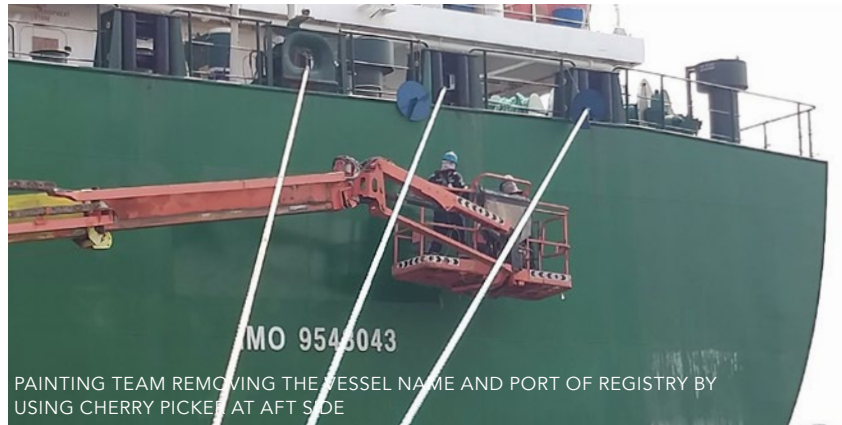
Afloat repairs

- Vessel:** Happy Kestrel
Location: Sharjah Khalid port
Scope of work:
- Painting off old and paint in new vessels name
 - Port of registry
 - Logo at funnel
 - Life boat
 - Life bouy
 - Painting off old company logo on accomodation

NAME PAINTING DONE ON STBD SIDE FWD BY USING SCAFFOLDING



PAINTING TEAM PREPARING THE STENCIL OF THE VESSEL NAME ON PORT SIDE AT FWD



PAINTING TEAM REMOVING THE VESSEL NAME AND PORT OF REGISTRY BY USING CHERRY PICKER AT AFT SIDE

SCAFFOLDING ERECTED FOR PAINTING OF COMPANY LOGO ON FUNNEL

SUPERVISOR SOMAN MARKING COMPANY LOGO ON FUNNEL FOR PAINTING





DMC docking

Repair and servicing of various thrusters are part of our regular business in Dubai Maritime City, recent such example is KAWASAKI REXPELLER fitted on Allianz Platinum.

KST 220ZC/A is a KAWASAKI REXPELLER consisting of controllable pitch propeller in a duct, skewed propeller of approximately 2550 mm in diameter.

The Rexpeller was thoroughly serviced to resolve the oil leakages in the system. Pre – disassembling work such as preparation of special tools, draining the lubrication oil through the output port, isolating the thruster by disconnecting the piping's etc. followed by disassembly of each main part eg. Input shaft coupling/universal joint, relational piping to gear box /clutch, coupling of shaft driven pump etc.

Cleaning and parts examination was conducted at our well-equipped workshop & precise machining of necessary parts such as Propeller blades, seal liner was carried out by our highly professional machinist specifically trained to handle thruster parts.

Minuscule QC checks & calibrations of Rexpeller parts were carried out as per manufacturer's recommendation.

The Rexpeller was reassembled in reverse order with new spares as necessary and system was replenished with fresh oil, final checks were carried out to ensure full satisfaction prior to undocking of vessel.

As whole operation involved heavy lifting therefore extra safety measures were taken to ensure well-being of people and equipment.



Specialist services

Our specialist services team attended the Mermaid Sapphire in Abu Dhabi. We had received a direct order from Kawasaki Japan for the complete overhaul of four Kawasaki thrusters (two bow thrusters and two stern thrusters).

The specialist services team oversaw all the work in Abu Dhabi and all the workshop jobs were sent to our new workshop facility in Dubai Maritime City. Here we carried out machining, polishing & dye check of sixteen propeller blades from the thrusters.

During the overhaul we found that on one of the thrusters two of the blades were damaged. On these blades we carried out Straightness checking and we then built up the missing edges of the blades by ABS approved welding procedure. We then carried out a dye check and finished by polishing the blades.

Overhaul was completed in a timely manner to full satisfaction of owner and Kawasaki, Japan.

Digitalisation in newbuilding

As a further step in our digitalisation journey our Sharjah newbuilding team has implemented the “all in one computer” philosophy in our new construction area.

This new approach avoids printing the hundreds of autocad drawings and greatly improves the process of production. The 3D design views, electronic measuring and identification of parts is much easier done rather than going back to the paper drawings. In addition as more information is available on the shop floor it gives a much better understanding of the construction thus saving time and reducing mistakes or questions.

It all started with a discussion about “how to be a paperless shipyard”. The team came up with the idea of implementing the Digitalisation in workshops using the “all in one computer”, one database where all construction and design information is held and which is directly accessible on the shop floor.

The project was introduced in several phases, starting with the panel construction area in January 2019 with three “All in one computers” available to the

supervisors in that area. It was a great success and so far the team has successfully completed six projects.

The next phase was the pipeshop, the team came up with the idea of combining the spool fabrication process and the digital data already available in the ERP software. Some of the interesting outputs from the software are:

- Automatic nesting for pipes with bevel and automatic file for Bending.
- Identifying the material availability of each spools and the option to create smaller production batches based on the actual stock.
- Automated production flow: Fabrication cannot be started unless cutting and bending is finished.
- Opening of spool drawings in one click (no need to print the hardcopies anymore).
- Spool storage location and spool treatment process can be easily tracked and exact status of each spool process (like cutting finished, Fabrication In progress, QC approved/Rejected, Stored in Pallet 1 etc.) can be generated in excel.

With the best ideas from the team and with help of software, the processes are more automated and paper usage greatly reduced. The goal of implementing the digitalisation in the newbuilding workshops was well and truly met.





Zakher Marine International

ENG. HUSSAM ARAR TECHNICAL SUPERINTENDENT

Zakher Marine International is one of the GCC leading service providers to the Offshore Oil and Gas Industries and Offshore Marine Construction Companies. The Company was established in Abu Dhabi in 1984 where the Head Office remains.

In the past ten years the ZMI has achieved remarkable growth, built new vessels to meet the high standards and requirements of local and international clients. ZMI currently operate over 50 offshore support vessels. ZMI vessels are chartered to the offshore projects being executed in Abu Dhabi & KSA recently and through high end clients such as ADNOC Offshore, Saudi Aramco, etc.

The *Zakher Emperor* is one of ZMI assets in their offshore sector, was due for second special survey and required a reliable contractor to execute the project with the highest standards of quality and with no downtime as the vessel is already engaged in an ongoing project.

Eng. Hussam Arar Technical superintendent appointed by ZMI of Abu Dhabi states: "Albwardy Damen with its reputation regionally and globally is a reliable place to handle such works.

The new DMC facility is a state of art with one stop shop for repairs, modification and conversion works with its in-house Engineering, Mechanical, Hydraulic and Fabrication Departments. Due to the time pressures we have it is critical our contractor flags up any changes in the repairs or discrepancies that show up in the execution process.

The dry docking scope included CPP blades repairs and polishing, hydraulic jobs, overhauling and testing of stopper & tow pin cylinders as well as the regular docking jobs such as steel renewal, fabrication and hydro blasting/painting.

Although the scope of works increased from our initial request but Albwardy Damen managed to execute the job on time with high response to our additional request and hardly any downtime.

We definitely would recommend Albwardy Damen for our future works, it's a reliable place to do business with."



WENCON Training

Company's Training Section hosted recently OEM WENCON® DENMARK in the yard for a two-day intensive training in Corrosion Repair. Technicians and Engineers for the training were selected from all locations, Dubai, Fujairah and Damen Sharjah.



The WENCON Trainer Mr. Thomas Rosenkjaer, Technical Supervisor & Sales gave this feedback after the training:

"It was my pleasure to note that you each in particular made your considerations and appointed participants with varying professional qualifications - exactly what is needed to cover all aspects in relation to Wencon tasks.

On top of that participants from Sharjah, Dubai & Fujairah have been designated to attend the seminar, indicate very clearly that we all commit ourselves to contribute positively to the project and make it a success.

Each individual participant showed great enthusiasm and is competent to receive a Wencon Certificate which will be issued soonest from Wencon Denmark and handed over by Gem Industrial Equipment Trading Co.LLC."

EXAMINATION BY REGULATORY BODIES

The familiar Ship Repair Supervisors and Diving Supervisors/Divers accreditation from the Government took a different turn this year. Eligible Employees had to register on-line and were given "syllabus" to cover and would be examined in way of a written test at the Regulatory Body premises.

This Accreditation Card grants each Holder the authority to sign The Regulatory Body's Permit so as to handle a project within the specified locations covered by the Maritime Inspection Authorities.



The first batch that AlbwadyDamen presented were twelve Employees selected from Fujairah Operations, Diving, Dubai Operations and Damen Sharjah. The success rate was very high.

FRESH GRADUATES INDUCTION TRAINING

As part of Albwardy Damen manpower development scheme, the formal induction training program continues for any fresh graduate. This induction training, which is mandatory for every fresh graduate that joins Albwardy Damen, is designed to properly soak the new employee that comes after his/her graduation, into the AlbwardyDamen system of operation.

The induction training includes every activity of Albwardy Damen business, from job enquiry to invoicing the job in Ship Repair, Newbuilding, all Key Processes, Support Processes, and Measuring Processes.

Also full involvement in manual skills such as welding, cutting, grinding, machining, blasting/painting basics.

Working with the 'men' on the shop-floor within clearly-defined scopes of training borderlines gives the new engineer the introduction to 'workshop methods' versus accepted laboratory methods towards better results.

Sethuraj Poonalil B. and Rahul S.G. (B.E. Naval Architecture) – from the Kochin University of Science and Technology KUSAT in India were absorbed in late 2018 and recently completed the mandatory six-month training for fresh graduates and were posted to Newbuilding projects and Engineering.



SETHURAJ POONALIL B. AND RAHUL S.G. (B.E. NAVAL ARCHITECTURE)



HR

Summer Break Timing

The idea that the UAE summer is a time to unwind is relative. In addition to school holidays and the family trips, the relative hot months can be quite emotional. It is no doubt that in UAE, Government Rules oblige Companies that direct exposure to sunlight be prevented between 12.30 to 3 pm from June 15 to September 15 each year. This is termed "Summer Break Timing".

Many of our employees with their families prefer to go to their home countries on vacation and escape the heat in the Gulf Region. In the same way, several of our workers who physically work in the hot conditions prefer to take long vacations. They are lucky if they have their annual leaves due, which they can use to this taxing gulf summer.

We need to salute our workers who really give their hundred percent in the operations during these four months. It is not easy to work, considering the heat and humidity of this season. The coveralls get soaked in sweat whether it is day shift or night shift.

Marc Alvares, HR-Admin Manager recounts: "An Employee meeting me at the Carpark tells me he needs to change at least four coveralls, during the ten-hour shift. I ask the

worker then, do you drink enough water to keep yourself hydrated and the worker tells me - yes, I drink one bottle in an hour. The bottles provided by the company are very handy and safe to be used."

Now it's mid-September, and the temperature in the Gulf starts falling. The weather is slowly getting nice and pleasant. Our employees now prefer to go out weekends to the main markets of Ajman and Dubai to meet their friends and relatives. They also remember the ALBWARDY DAMEN GAMES, and start their practice sessions, to start competing with departments.



Employee engagement in safety

Building a safe working environment is a challenge to any organization. The ability to maintain that safety over the long term is perhaps even more challenging. Many companies struggle with how to best keep workers safe. With so many statistics and opinions out there, it can be hard to determine the right solutions for the work environment. One technique that works across the board, however, is active Employee Engagement in Safety.



A safety engaged employee is someone who is fully invested in safety at work. This means they will put in more effort; go out of their way to ensure things are done safe and actively offer their opinions, suggestions and feedback. Often times, employees can become disengaged through lack of appreciation or trust from the organization. In terms of overall safety of the workplace, this is counterintuitive to any

progress, as these individuals do not report minor injuries, hazards or near misses.

EMPLOYEE ENGAGEMENT AT ALBWARDY DAMEN
There are many methods adopted by the company to ensure engagement of employees in safety:

- Involvement of employees in safety programs. Monthly HSE meetings are chaired by Business Directors by ensuring participation from all levels of employees including frontline. Further, employees are involved in risk assessments, incident investigations etc.
- Allowing members to voice their opinions, concerns and ideas without fear of reprimand. The management encourages employees to bring up their ideas/concerns either individually or through various forums.
- Positive reinforcement – The management recognizes positive reinforcement is far promising than punishment. Behavior Based Safety is one of the mediums used to ensure positive reinforcement.
- Respecting employees and their ideas – by showing our willingness to consider them is a great way to instill confidence. It is reflected in the company values as well.
- Recognizing hard work – when an employee goes above and beyond what is asked of them. Appreciation memos are issued during safety forums.
- Setting clear guidelines – our work culture guarantees that every employee knows what they are intended to do.
- Continuing education – holding ongoing sessions to keep skills sharp. Annual training plan is chalked out at all business levels and approved by the management. Internal / external trainings are delivered at periodic intervals.
- Giving credit where it's due – several reward schemes are in place for recognizing personnel with outstanding performance in safety. Campaigns like Near Miss reporting was further encouraged by issuing spot awards to those employees by the management.
- Provision of necessary and safe tools – store control and safety inspections are done by competent personnel to ensure tools are inspected periodically and working safely.

Higher
engagement

More
focus

Fewer
mistakes

Better safety
outcomes

Sharjah repairs

Normally a high variety of vessels types passing the repair berths and quays of "Albwardy Damen" in Hamriyah but now we can add LPG vessels to the long list of vessel types.



The first LPG tanker dry-docked at Albwardy Damen in Hamriyah during 2019 had an overall length of 119 meters. The work scope was comprehensive and covered a lot of areas starting from hull treatment up to works on the mechanical equipment. All valves and pneumatic controllers on the main deck for the cargo system had gone through repairing/overhauling works according to the high quality standards and class regulations for LPG vessels. Our Fabrication team worked on the repair and renewal of sections of the cargo tanks coaming frames which required pre approval from the class society due to the construction and nature of cargo in use. Servicing and calibration were carried out to the Cargo tanks pressure regulating valves as part of the class requirements for the special survey.

On another occasion a LPG tanker was berthed in Hamriyah for cargo pumps- and general repairs. This vessel came in at short notice due to mechanical problems with the cargo pumps. The deep-well pumps were lifted out and overhauled in the well-equipped workshops at the yard.

Project managers: Mohamad Zaaiter and Francis Stilliano

THE PUMP IS FLYING THROUGH THE AIR.





PHOTO CREDIT: NATHANIEL

Boxcooler cleaning on the anchorage

Albwardy Damen Diving was contracted to clean box coolers on one of the UAE anchorages. The vessel *Bourbon Evolution 807* was equipped with 32 box coolers.

Operations started at first light with six divers and three technicians. Due to the size of the project we used two HP water jet machines both port and starboard side of the vessel.

Safety is our number one priority and upon completing diving standard procedures, two teams simultaneously commenced photo inspection and conducted opening of window gratings-wells and cleaning procedure commenced.

HP cleaning of all boxcoolers took four days and results were to full satisfaction of the owners with costs much less than docking the vessel.

Completing the task, the team performed a thorough inspection of all gratings of the main engine's box coolers to ensure no irregularities found and finally secured it with locking pins. These were done with complete photos captioned during the entire course of cleaning procedures.



Big challenges in Fujairah

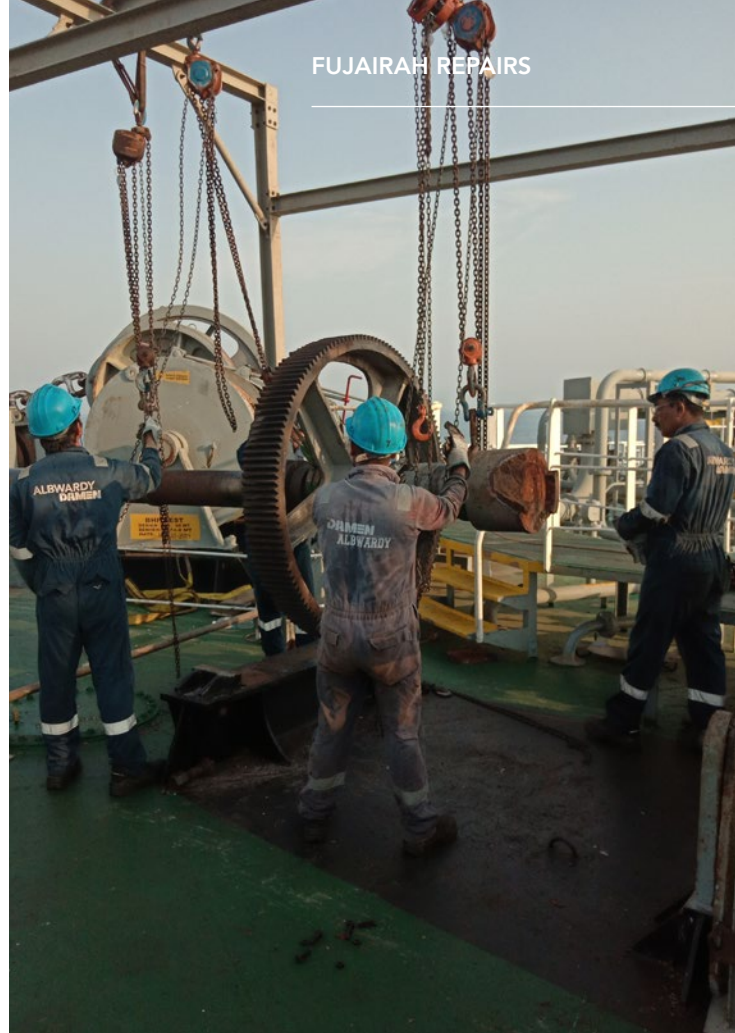
VLCC *NEW CENTURY* suffered port windlass damage her during anchoring on the Fujairah anchorage. Vessel managers decided to shift her at Khorfakkan anchorage for inspection and further course of repair action.

On the same day (Friday), the team was arranged and mobilised with all tools. Onboard vessel the team was faced with two big challenges. One was about dismantling of windlass without any hot work as vessel's forward COT was not gas freed, hence she was not complying with ISGOTT requirements. The second challenge was about shifting of the heavy parts from Forecastle to Midship for onshore landing. After getting the necessary approvals from the authorities and after comprehensive meeting with vessel staff we started the job.

Our team stripped down windlass successfully without any hot works. The heavy parts were loaded on our service vessel together with the Vessel crew who were a great help and very keen to assist our team at any stage. Both shafts were transported and brought in workshop.

Dismantling of both shafts started with two independent teams. Job was continued till complete dismantling. 1st shaft was taken on lathe and trueness checked, found good. Thereafter the second shaft was taken on lathe. It was having almost 80 mm bent at gear coupling end. Immediately it was decided to send to our Dubai workshop for straightening.

At the same time, we arranged materials for 11 Nos new bearings and for 1 No. coupling renewal. Specialized repairs of gears teethes were also done by welding and sooth grinding. At the time of writing the repairs are going very well and meeting client's expectations, with all repairs expected to complete by mid of September.



Sales - Repairs

For the sales team so far 2019 has been pretty flat compared to 2018. Market conditions for our customers are still very challenging and rightly they are spending money wisely. Oversupply of vessels continues to hang over the market. Some recovery is reported by the larger Middle East owners which is encouraging and largely driven by the O&G offshore investments in the United Arab Emirates and the Kingdom of Saudi Arabia.

One of our highlights for 2019 is the operation of our new facility in Dubai Maritime City. Apart from dockings this facility is the home of our afloat and specialized services department. From DMC we are offering hydraulic repairs, Mitsubishi purifiers repairs, as well as Yanmar engine overhauls and our new workshops have made a very positive impact on these services.

Listening to our customers is a big thing for Albwardy Damen and the expansion into Oman (Sohar and Salalah) was driven by requests from our customers. Since the beginning of 2019 we offer workshop, afloat and diving services in the ports of Sohar and Salalah.

Another very positive thing is the excellent feedback we continue to receive from our customers on our

quality, housekeeping and safety record. Safety and quality at the right price are the main reasons our customers choose Albwardy Damen. Our diversified offering with dockings, afloat repairs, diving and of course new building is really helping us to manage our – one family – company. Our new building department have seen an increase in confirmed orders of vessels especially designed and built for the O&G and dredging projects in GCC shallow waters.

With the temperatures coming down in the area we are entering the time of the year with exhibitions, events, seminars again in the UAE. We are present on many of them so we hope to see you there.

We welcome any feedback on our newsletter. Please let us know at sales@albwardydamen.com.





YN: 515002
 NAME: JAWAR BAGHDAD
 TYPE: RSD 2513
 OWNER: JAWAR AL KHALEEJ SHIPPING L.L.C.



YN: 515003
 NAME: JAWAR KIRKUK
 TYPE: RSD 2513
 OWNER: JAWAR AL KHALEEJ SHIPPING L.L.C.

Recent delivered Damen vessels



YN: 532317
 NAME: SEAWAYS 27
 TYPE: FCS 2206
 OWNER: SEAWAYS INTERNATIONAL



WE HAVE STARTED CONSTRUCTION OF 80 METER LONG SHALLOW DRAFT CONSTRUCTION VESSEL MULTIBUSTER 8020. DELIVERY IN 2021.



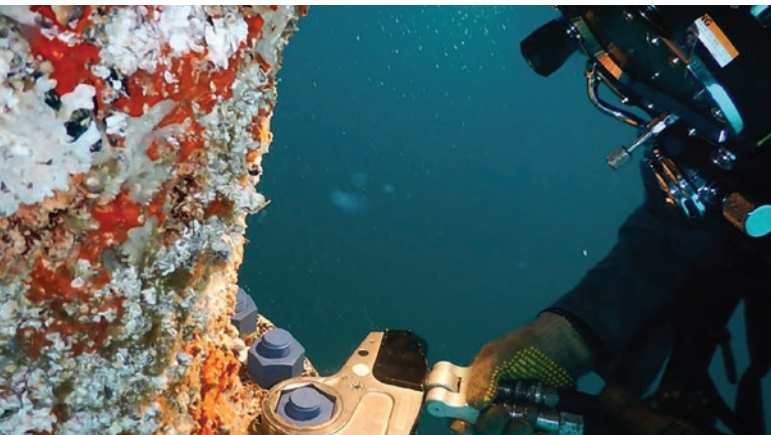
SHIP REPAIR

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.

ALBWARDY DAMEN

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