



CONQUEST

MB1

1400 ton multipurpose heavy lift crane barge

DUTCHOFFSHORE



CONQUEST MB1

FROM CHALLENGE TO CONQUEST

► The Conquest MB1 is a 1400 t multipurpose heavy lift crane barge which operates on global scale.

It successfully participated in various topside installation work in Trinidad and salvage and wreck removal operations of the Costa Concordia, Troll Solution, DB1 barge and Grand Bahamas floating dock.

The Conquest MB1 is the ultimate project tool for multiple applications such as:

- Offshore wind, oil and gas, ports, civil and marine construction
- Decommissioning, salvage and wreck removal
- Port on- and offloading up to 1400 t
- Jetty construction (LNG)
- Piling, subsea installation and other marine construction works
- Installation of jackets and topsides
- Pre-piling of jackets for both wind and oil & gas
- Floating monopile installation with the use of a pile gripper
- Transition piece installation in offshore wind
- Export cable installation in offshore wind
- Decommissioning in offshore wind and oil & gas

► SPECIFICATION

- Built in 2012
- 1400mT heavy lift capacity
- 360 degrees rotating crane (6 minutes with full load)
- 63 m main boom with 75 m boom top
- 136 m long by 36 m breadth with 8 m hull
- Free deck space of 3,400m² with a strength of 20 t/m²
- Automatic ballast system (anti heeling) 8,000 m³/h
- Ultra shallow draft of 3 meters
- 8-point mooring system with 50 t line pull, 60 t brakeload and 120 t hold capacity
- 12-persons fixed accommodation, expandable to 60 persons or more
- IACS CLASS RINA

The crane is a 100% Dutch engineered and constructed product, and electronically-driven, whereby 30% of the energy is recovered by a energy recovery system when lowering the load, thereby reducing the fuel consumption considerably.



OUR COMPANY

DUTCH OFFSHORE

OWNS A COMPLETE PORTFOLIO

Dutch Offshore owns a complete portfolio of equipment, such as the Conquest MB1, and charters this to the maritime and offshore industry with a 24/7 service package.

► OUR EQUIPMENT

- Lattice and telescopic crawler cranes for various offshore and marine applications
- A fleet of Dynamic Positioning (DP2) vessels
- Multipurpose and ultra shallow draft heavy lift (crane)barges
- Special offshore equipment such as hydraulic and mechanical grabs, winches, etc.

► OUR SERVICES

We provide a full Offshore Service Package:

- Offshore service 24/7
- Outfitting according to EN 13852-2
- Offshore load charts / Load Moment Indicator (LMI)
- Optional manriding
- Constant Tension (CT) and Active Heave Compensation (AHC) options
- Knock for knock insurance
- Risk analysis / method statement
- Lift plans and consult
- Stage 3 offshore crane drivers
- Acceptance by warranty surveyor / clients
- Maintenance plans
- Contingency plan to cover crane breakdown, reducing downtime to a minimum
- Crane are inspected and tested before use on board by TÜV, AIB vincotte, RINA or similar
- We have a track record with LOLER / PUWER





OUR COMPANY

Dutch Offshore is a partner who thinks along strategically and practically with offshore professionals in order to offer an appropriate package of certified heavy lifting equipment and services. We strive for continued growth and cooperation to service our clients worldwide.

► MISSION

Our mission is to consolidate and grow our position as an internationally-recognized resourceful and reliable partner providing maritime and offshore equipment and services.

► VISION

Our vision is to be the partner of choice for governments, marine and offshore contractors, on their global marine and offshore development projects.



► SHE-Q

SAFETY, HEALTH, ENVIRONMENT AND QUALITY

SHE-Q forms an integral part of Dutch Offshore and all of our services. Being safe and secure is of critical importance to all of us. We encourage and demand the highest levels of commitment to the Safety, Health, Environment and Quality standards among all employees.

Dutch Offshore is certified according to:

- ISO 9001:2015
Quality management system
- ISO 45001:2018
Occupational Health & Safety management system
- ISO 14001:2015
Environmental management system





TRACK RECORD

Highlights

//
Conquest MB1
there where
heavy lifting
is needed!



3 Giglio Island [Italy]
Costa Concordia
Placement sponsons
Page 15



5 Rotterdam [The Neth.]
Ceona Amazon
Installation works
Page 19



7 Amsterdam [The Neth.]
Allseas' Solitaire
Replacement of crane
Page 21



9 Louisiana [USA]
Crosby Commander
Shipwreck salvage
Page 25



1 Flushing [The Neth.]
Casco ship hulls
Offloading
Page 13



2 Antwerp [Belg. | UK]
DEME
Scour protection
Page 13



4 Rotterdam [Neth.]
Port Authority
Showcase
Page 17



6 Rotterdam [The Neth.]
Upgrade of
The Conquest MB1
Page 19



8 Caan Field [Mexico]
Pemex / Ardent
Wreck removal
Page 23



10 St. Thomas [USVI]
Resolve Marine
Drydock refloating
Page 27



11 Caribbean
Resolve Marine
Salvage of Culebra
Page 29



12 Trinidad & Tobago
DeNovo Energy
Topside installation
Page 31



14 Grand Bahama
Resolve Marine
Refloating dry dock
Page 35



16 Lisnave [Portugal]
The Conquest MB1
5 year class renewal
Page 39



18 Ibiza [Spain]
Wreck removal
Page 47



20 Port Said [Egypt]
Pile installation for
floating dry dock
Page 53

13

8

9

14

15

11

10

12

2

1

4

7

5

6

16

19

18

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17

20

13

15

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2013

FIRST JOBS



CONQUEST GREAT START

VARIOUS JOBS

In 2013 the Conquest MB1 started operating with various heavy lift jobs in The Netherlands, Belgium and the United Kingdom.

- 1 Offshore feeding test lift with crane barge Conquest MB1 and DP2 Cargo / supply vessel Eems Dublin for Amasus / Deugro.
- 2 Offloading barges at Heerema yard
- 3 Lifting ship hull in Flushing, The Netherlands
- 4 Refloating ship hull
- 5 Placing asphalt mats / Scour protection for DEME, in Antwerp Belgium and London Gateway UK
- 6 Harbour work unloading hulls at Flushing, The Netherlands
- 7 Monopile handling / offloading for Van Oord / VDS



2014

GIGLIO ISLAND, ITALY



LOCATION
42°21'55.38"N 10°55'17.21"E

“The Conquest MB1 was the best tool for the job, and contributed to the success of the Costa Concordia re-float operation.”

Nick Sloane

[Salvage Master Costa Concordia]

COSTA CONCORDIA

LARGEST WRECK REMOVAL EVER

On January 13, 2012 at 9:45 pm, the Costa Concordia struck a rock in the Tyrrhenian Sea just off the eastern shore of Isola del Giglio. This tore open a 50 m (160 ft) gash on the port side of her hull, which soon flooded parts of the engine room, cutting power from the engines and ship services. As water flooded in and the ship listed, she drifted back towards the island and grounded near shore, then rolled onto her starboard side, lying in an unsteady position on a rocky underwater ledge.

One of the cranebarges brought in to perform vital lifting work installing sponsons - giant tanks to help refloat the vessel - was the Conquest MB1. The sophisticated rotating/luffing crane was tasked with lifting 21 sponsons into position on the ship's sides - 17 on the starboard side and four on the port side - after the ship had already been successfully parbuckled (uprighted).

The sponsons, the heaviest of which was 850 t, were filled with seawater and then pumped empty during the refloating operation to lift the vessel.

The Costa Concordia was officially declared a constructive total loss by the cruiseline. The Costa Concordia salvage job, as a total project with the lifting and installation of the sponsons up to 850 t, with no recorded downtime is extraordinary for a newly-designed crane. We are very proud that we were able to contribute to one of the biggest maritime salvage projects known to date.

Project specifications

Client	Titan - Micoperi
Location	Giglio Island, Italy
Duration	6 months
Weights	Up to 850 t each
Scope	Placement of 21 sponsons on the side of the Costa Concordia

2014
ROTTERDAM



LOCATION
54°54'21.38"N 4°29'08.61"E

CONQUEST SHOWCASE

WITH 300T CRAWLER CRANE IN THE HOOK

The Conquest MB1 arrived in Rotterdam after her exceptional job, the successful completion of the salvage of the Costa Concordia, in Italy.

Before she went into a complete upgrade in 2015 with a forecastle, accommodation, 8-point mooring, workshops, engine rooms, sewage, watermakers etc., the Conquest MB1 was showcased at the beautiful sight of the Erasmus bridge in Rotterdam. In the main crane, a 300-ton offshore certified crawler crane from Dutch Offshore was hoisted to show the quality, dimensions and capabilities of the heavy lift crane barge.



2015

ROTTERDAM EEMSHAVEN



CONQUEST UPGRADE

FORECASTLE, ACCOMMODATION AND 8-POINT MOORING SYSTEM

In 2015 the Conquest MB1 had various heavy lift jobs in Rotterdam, Eemshaven, The Netherlands and in Brunsbuttel, Germany.

During 2015 the crane barge was upgraded with a 12-person accommodation module for the marine crew. A forecandle was built with sewage system, port and emergency power generators, paint-room and workshop. An 8-point mooring system was installed with 4 double drum winches outfitted with disc brakes, fairleads and tension meters.

- 1 Installation for Ceona Amazon in Rotterdam for Rotterdam Offshore Group
- 2 Loading and transportation of Ferry St Johannes (250 tons) from Rotterdam to Brunsbuttel (Germany)
- 3 Upgrade with forecandle, accommodation and 8-point mooring system
- 4 Salvage of centuries-old sailing vessel, in Germany
- 5 Sailing back from Eemshaven to Amsterdam for her next job



2016
AMSTERDAM



LOCATION
52°24'55.23"N 4°46'11.51"E

COMPLET ALLSEAS' SOLITAIRE

INSTALLATION OF SPECIAL PURPOSE CRANE

Allseas contracted the Conquest MB1 to remove a 300t offshore crane and to replace, transport and install a 850t Huisman crane on board of one of the largest pipe-lay vessels in the world, the Allseas' Solitaire.

The 397-meter vessel MV Solitaire is the largest ship ever to have passed IJmuiden's massive sea lock after which the ship was berthed at Dutch Offshore Base in Amsterdam.

The pipe-laying vessel is used for the construction of natural gas pipeline systems and oil pipelines. Before the vessel was scheduled to return to sea in summer 2016, the 300t SPC (Special Purpose Crane) was replaced by a 850t Huisman SPC by the Conquest MB1.

Project specifications

Client	Allseas
Location	Amsterdam, The Netherlands
Duration	30 days
Weights	Up to 850t
Scope	Replacement of 300t SPS crane on board Solitaire with a 850t SPS



2016

CAAN FIELD,
GULF OF
MEXICO



LOCATION
19°37'12.24"N 91°22'32.16"W

CONQUEST TROLL SOLUTION

WRECK REMOVAL

The Conquest MB1 heavy lift barge was the key asset in the largest wreck removal recorded in 2016. The Troll Solution jack-up rig was removed from the seabed 30 meters deep of the Bay of Campeche, Mexico. The accident occurred back in May 2015 when the Troll Solution tilted during the positioning to carry out maintenance work related to the Caan production platform, operated by Pemex, Mexico's National Oil Company. The jack-up tilted due to a fault in one of its legs, causing it to sink into the seabed.

The salvage operations were led by Ardent Global, the biggest salvage and response company in the industry. To successfully complete the operation, Ardent deployed the Conquest MB1 crane barge and non-traditional hoisting technologies with a 1000t hydraulic salvage grab. The 6 pieces that made up the deck house and the 31 pieces from the vessel's hull were lifted during the course of 2016.

Few had thought the project would be finished in time before the weather window would close at the end of the year. Another excellent project can be added to the resume of the Conquest MB1 and its dedicated crew.

Project specifications

Client	Ardent
Location	Caan Field Pemex, Mexico
Duration	11 months
Weights	Up to 750t
Scope	Wreck removal of jack up rig Troll Solution next to a "live" Pemex platform



2017

LOUISIANA,
USA



LOCATION
24°51'42.13"N 96°10'20.42"W

CONQUEST CROSBY TUG BOAT

SHIPWRECK SALVAGE

A Crosby tug boat sank in the Gulf of Mexico off the coast of Louisiana. The 85-foot Crosby Commander was built in 1978.

The Conquest MB1 was chartered by Resolve Marine Group for the Salvage. Special care was taken as there was a casualty during the sinking of the vessel.

Project specifications

Client	Resolve Marine Group
Location	Louisiana, USA
Duration	30 days
Weights	Up to 400 t
Scope	Salvage



2017

ST. THOMAS,
USVI



LOCATION
18°19'53.14"N 64°57'08.81"W

CONQUEST DRY DOCK

REFLOATING

A commercial dry dock dragged its moorings during hurricane Irma and sank alongside the cruise ship pier in St. Thomas, blocking the dock access for cruise ships. Resolve Marine Group mobilized the Conquest MB1, from Louisiana to the site along with a specialized salvage team, heavy rigging and salvage equipment.

Initially, hurricane Maria forced the salvage crew out of the area before they could complete the job, but the 450 t drydock was successfully raised and returned to the local shipyard.

The harbor clearance project enabled the resumption of cruise ship traffic to the port and the restart of the vital tourist industry to the island.

Project specifications

Client	Resolve Marine Group
Location	St. Thomas
Duration	3 months
Weights	Up to 450 t
Scope	Refloating dry dock





LOCATION
18°20'05.41"N 64°56'42.10"W

CONQUEST CULEBRA

SHIPWRECK SALVAGE

Hurricane Irma was an extremely powerful Cape Verde hurricane that caused widespread destruction across its path in September 2017. Irma was the first Category 5 hurricane to strike the Leeward Islands on record, followed by Maria two weeks later. At the time, it was considered to be the most powerful hurricane on record in the open Atlantic region, outside of the Caribbean Sea and Gulf of Mexico.

The storm caused catastrophic damage in Barbuda, Saint Barthélemy, Saint Martin, Anguilla, and the Virgin Islands.

The Conquest MB1 and Resolve Marine Group teamed up for various salvage projects. Among them was the salvage of the vessel Culebra.

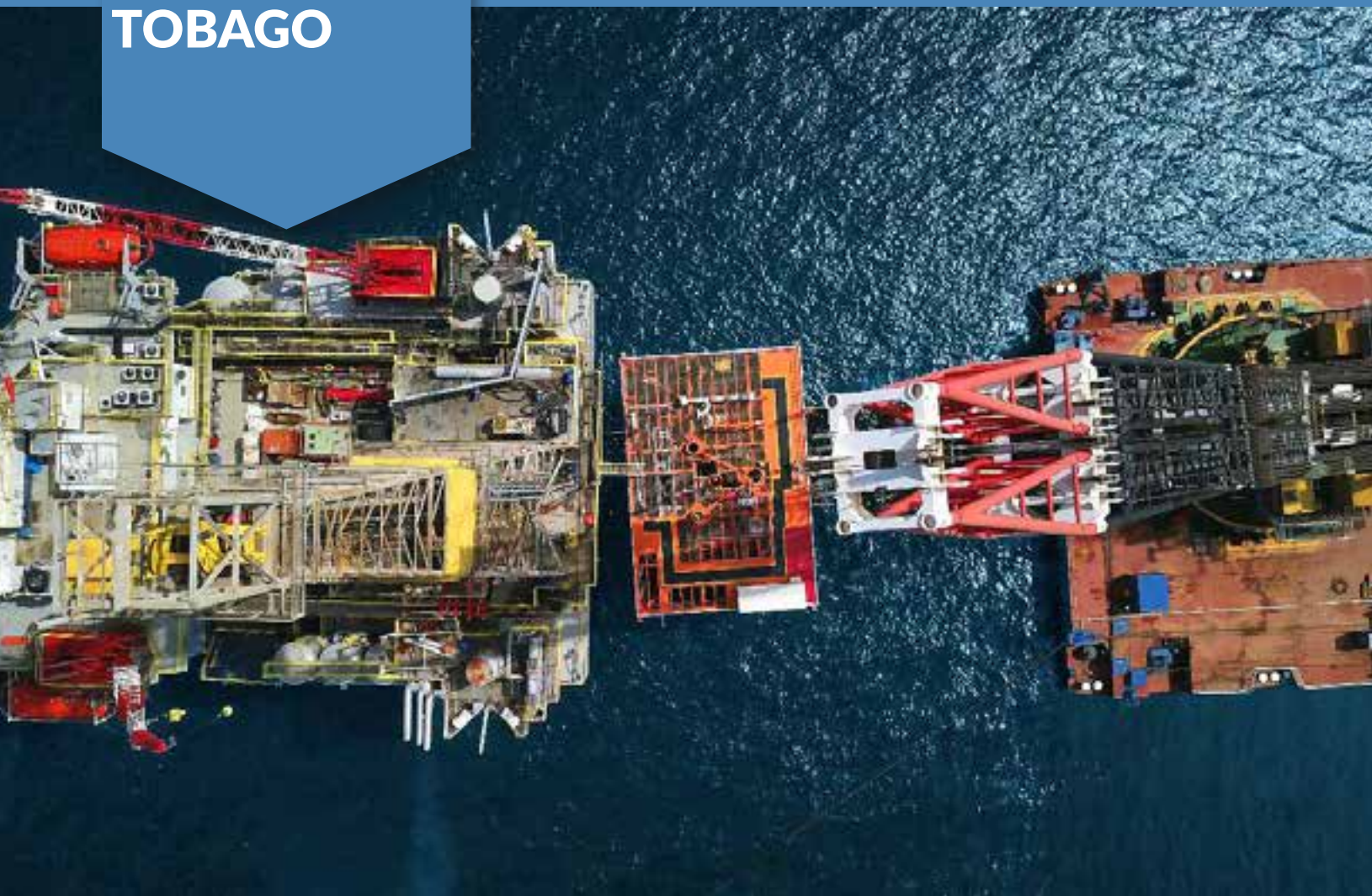
Project specifications

Client	Resolve Marine Group
Location	Caribbean
Duration	15 days
Weights	350t
Scope	Salvage of several projects



2017

TRINIDAD & TOBAGO



LOCATION
10°31'12.5"N 60°22'42.91"W

COMPLET DENOVO ENERGY

TOPSIDE INSTALLATION

A 250t topside for DeNovo Energy was installed after the hurricane season. The topside was placed with great precision on the basis of the 8-point mooring system.



Project specifications

Client	DeNovo Energy
Location	Trinidad & Tobago
Duration	15 days
Weight	Up to 250t
Scope	Topside installation

2018

GULF OF
MEXICO



LOCATION
24°56'49"N 97°04'47.78"W

CONQUEST DB1 BARGE

SUNKEN BARGE SALVAGE

After several months of planning, engineering, and on-site preparations the sunken derrick barge DB1 was raised by executing the heaviest salvage lift ever accomplished in the Americas. The barge initially sank in a storm when its anchors dragged and the oil platform that it was removing tore out the bottom of the DB1 barge.

For the removal project, key assets were used included the patented heave-compensated chain puller lift system deployed from the Conquest MB1.

After extensive preparations including the installation of heavy rigging under the DB1, the lifting gear was connected and the DB1 was steadily raised to the surface between the Conquest MB1 and other barge with 6,000t of lift force – an industry first! A semi-submersible barge was submerged to the seafloor and the DB1 was winched over the top. The submersible barge then raised with the DB1 safely aboard and then towed to Brownsville, Texas, for the DB1's dismantling and recycling.

Project specifications

Client	Resolve Marine Group
Location	Gulf of Mexico
Duration	85 days
Weight	6,000 t
Scope	Heavy lift and refloating operations



2019

GRAND BAHAMA



LOCATION
26°31'37.13"N | 78°45'29.66"E

CONQUEST DRY DOCK

REFLOATING

In July 2019, the Conquest MB1 was contracted to refloat a 982 feet (300m) long by 228 feet (70m) wide 25,000t dry dock that had suffered irreversible structural failure and flooding during the docking of a large cruise ship. The engineering team of Resolve Marine formulated a plan to safely refloat the dry dock in two sections. Over the next three months, the drydock was successfully cut into two sections using a guillotine and the Conquest MB1.

Project specifications

Client	Resolve Marine Group
Location	Grand Bahama
Duration	50 days
Weight	Up to 650 t
Scope	Refloating dry dock



2020

GRAND
BAHAMA



LOCATION
26°31'51.23"N 78°46'14.77"W



CONQUEST 3 TUG BOATS

SHIPWRECKS SALVAGE

During the corona pandemic, a team of our specialists were able to travel to the Grand Bahama and remove the wrecks of three sunken tugs. The heaviest tug was almost a 1,000t!



Project specifications

Client	Resolve Marine Group
Location	Grand Bahama
Duration	10 days
Weight	Up to 960t
Scope	Wreck removal of three tugs

2021

LISNAVE,
PORTUGAL



LOCATION
38°28'38.88"N 8°47'44.21"W

CONQUEST DRY DOCK

5-YEAR RENEWAL

After a long period of work all over the Western hemisphere, the Conquest MB1 needed a 5-year renewal of Class.

In the midst of the corona pandemic, our people did a great job in guiding the crane barge through a well-deserved an very successful dry docking in the Lisnave Estaleiros Navais S.A. yard, Portugal.

From head to toe she was blasted, repainted and refitted with upgraded technical parts and new equipment. After an intensive docking of 4 months, she set sail for her new working location in Turkey.

Project specifications

Client	Conquest Heavy Lift BV
Location	Lisnave, Portugal
Duration	4 months
Scope	5 year class renewal, full technical upgrade and paint job





2021

AKKUYU, TURKEY



LOCATION
36°08'24.81"N | 33°31'59.58"E

NUCLEAR POWERPLANT

INSTALLATION OF SUBSEA PIPES & CULVERTS

The Akkuyu nuclear powerplant (Turkish: Akkuyu nükleer güç santrali) is a nuclear power plant under development at Akkuyu, in Büyükceli, Mersin Province, Turkey. It will be the country's first nuclear powerplant, comprising four 1,200 MW VVER units. The Conquest MB1 is chartered by Sirius Marine and Cengiz Holding to install subsea GRP pipes and culverts for the cooling system of the powerplant.

For the project, two crawler cranes from Dutch Offshore were installed on deck. A 180 t heavy duty Sennebogen 6180 crawler crane and a 500 t Liebherr LR1500 crawler crane.

Project specifications

Client	Sirius Marine / Conqiz holding
Location	Akkuyu, Turkey
Duration	1 year
Weight	Up to 700 t
Scope	Install subsea GRP pipes and culverts





GRP pipe installation with specially engineered hoisting frame.

2022

IBIZA, SPAIN



LOCATION
38°55'02.9"N | 1°29'03.8"E

CONQUEST SUPERYACHT ARIA SF

WRECK REMOVAL

In April of 2022 the newly built Superyacht, Aria SF, first entered the water. At 432 GT and 43,7m, this 25-million-dollar superyacht had a prosperous future ahead. Only 4 short months later, on August 14th, she caught fire while at anchorage in the waters off Formentera in the Balearic Islands. Thankfully all 9 passengers and 7 crew onboard were safely rescued. Two days later while under tow to Ibiza, the fire reignited. The additional water from extinguishing the fire resulted in Aria finally succumbing to her fate, sinking in relatively shallow waters off the coast of Ibiza.

The salvage company, Ardentia Marine, recognized Conquest MB1's unique ability to perform heavy lifts in shallow waters and mobilized us to the scene. In December of 2022, we performed a tandem lift with our 1400t Spacelift Crane and our 500t LR1500 Liebherr Deck Crane. In great cooperation with our client, the remains of the Aria SF were seamlessly removed from the sea bottom, lifted on deck, and then delivered to Vinaros, Spain.

Project specifications

Client	Ardentia Marine
Location	Ibiza, Spain
Duration	24 Days
Weight	400t
Scope	Wreck removal 45m superyacht



2023

SAGUNTO,
SPAIN



LOCATION
39°39'01.7"N 0°12'06.1"W

CONQUEST SAGUNTO JETTY

REMOVAL OF JETTY INFRASTRUCTURE

The Sagunto jetty, more than 1100m in length, was built in the mid 70's by the Mining Company of Sierra Menera and continued to operate as a dock for vessels until 2009. In 2022, after years of deterioration while idle, the Valencia Port Authority deemed it unsafe and put out an emergency bid to have the jetty removed. Sacyr S.A. Construction Company won the bid and called on the Conquest MB1 to team up and tackle the job.

For the project, Conquest utilized our 1400t Main Crane and 500t Liebherr deck crane to remove several hoppers, chutes, and bridges, assist in the dismantling and eventually removing many pieces of concrete with weights up to 370t! All pieces were landed on the barge and then shifted into port to be offloaded for disposal.

Project specifications

Client	Sacyr S.A.
Location	Sagunto, Spain
Duration	3 Months
Weight	Up to 370t
Scope	Dismantling assistance & removal of jetty





2023

PORT SAID, EGYPT



LOCATION
31°15'44.3808"N 32°19'21.8928"E

CONQUEST PILING

PILE INSTALLATION FOR FLOATING DRY DOCK

Port Said Shipyard decided to expand and install a new 35,000t capacity floating dry dock, 'Fakhr Al Qanah'. In preparation for its arrival, Canal Harbour and Great Projects Co. CHP (Affiliate to Suez Canal Authority) awarded the pile installation project to Petroleum Marine Services (PMS). In September of 2023, client mobilized the Conquest MB1 to assist in the shallow water pile installation for the new floating platform.

For the primary lifting of the main piles, we used our 1400t Spacelift Main Crane and our 500t Liebherr Deck Crane in tandem for more controlled and precise placement of the two 53m long, 9m dia., 285t main piles. Through great cooperation and team efforts the job was completed in just 35 days.

Project specifications

Client	PMS & Pan Marine
Location	Port Said Egypt
Duration	35 days
Weight	Up to 400t
Scope	Piling installation for floating dock





OVERLOAD TESTS

VARIOUS OVERLOAD TESTS DURING CONQUESTS' LIFETIME

During her lifetime, the Conquest MB1 main crane had various overload tests to verify the capacity and capability.

- 1 November 2, 2012
966 tons at 18 m
[Vlissingen/Netherlands]
- 2 November 14, 2012
1,545 tons at 14 m
[Vlissingen/Netherlands]
- 3 December 20, 2012
180 ton from floating DP2 vessel
offshore feeding load test
[Vlissingen/Netherlands]
- 4 June 14, 2014
803 tons at 31.1 m
[Isola del Giglio, Italy]
- 5 March 13, 2016
764 tons at 32.47 m
[Amsterdam/Netherlands]
- 6 May 8, 2018
1,200 tons at 18.5 m
[Morgan City, USA]
- 7 January 8, 2022
526 tons at 41.6 m
[Akkuyu, Turkey]





SPECIFICATIONS

Details

CONQUEST SPECIFICATIONS

1,400-TON CRANE BARGE

Barge Specification

Length.....	136 m / 446 ft
Breath.....	36 m / 118 ft
Depth.....	8 m / 26 ft
Draft (Operational-Design).....	3 m / 10 ft - 5 m / 16 ft
DWT	19,800mT
GT	12,491 mT
Construction weight.....	5,800mT
Deck Strength.....	20mT/m ² / 1.83mT/ft ²
Deck Space	3,400m ² / 36,597 ft ²
Loading Capacity.....	10,000mT
YOM.....	2012
Flag.....	The Netherlands / Dutch
MMSI.....	244810178
Class.....	RINA C  Pontoon - crane

Power Supply

Main diesel generators	2x 753kW Caterpillar
.....	1x 153kW John Deere
Emergency diesel generator	1x 123kW John Deere

Main Crane

Type.....	Pedestal revolving crane
Model.....	MC 35000 DLS
Main boom length	63m / 207 ft
Boom top length.....	75m / 246 ft
Main hoist capacity	1,400mT @ 12.5m / 41 ft
.....	350mT @ 53.5m / 175 ft
Working radius, slewing range.....	12.5 to 64m, 360 degree
Revolving Speed.....	6 min. / 360 degree
Runner hoist capacity.....	30 - 90mT

Ballast System

Anti-heeling (automatic)	2x 2,000m ³ /h, 70,629 ft ³ /h
Trim pumps (automatic).....	4x 1,000m ³ /h, 35,315 ft ³ /h
Main pumps.....	2x 800m ³ /h, 28,252 ft ³ /h

Mooring system

Winches.....	4 double drum 50mT rated pull
.....	8x 60mT brake and 120mT hold capacity
Wire Size.....	44 mm / 1.73 inch
Wire Length	1,200m / 3,937 ft
Anchors	8x flipper delta
.....	(3x 10mT, 1x 9mT, 3x 7mT and 1x 5.4mT)

Communication

GMDSS VHF Radio.....	1x T & T Sailor SP3520
.....	3x Ocean Signal SafeSea V100
SART	Mc Murdo S4 Rescue Sart
EPIRB.....	Ocean Signal SafeSea E100

Accommodation & Facilities

Living Space	12-persons fixed accommodation
.....	expandable to 60 persons or more
Sewage Capacity	1.5m ³ /day, 53 ft ³ /day
Fresh Water maker	3m ³ /day, 106 ft ³ /day
Tank Capacities.....	38m ³ / 1,342 ft ³ Fuel
.....	2m ³ / 71 ft ³ Sludge
.....	5m ³ / 177 ft ³ Treated Sewage
.....	8m ³ / 282 ft ³ Seawater Buffer
.....	400m ³ / 14,120 ft ³ Drinkwater Tank
Fire Fighting Equipment.....	1x fire pump (Victor S83)
.....	1x emergency fire pump (Victor S83)
Survival Equipment	4 of by 12 person life rafts
.....	60 life jackets
Qualifications.....	IMO SOLAS, NMA, MLC-2006,
.....	MODU Safe Area



4 double drum 50 mT-rated pull winches



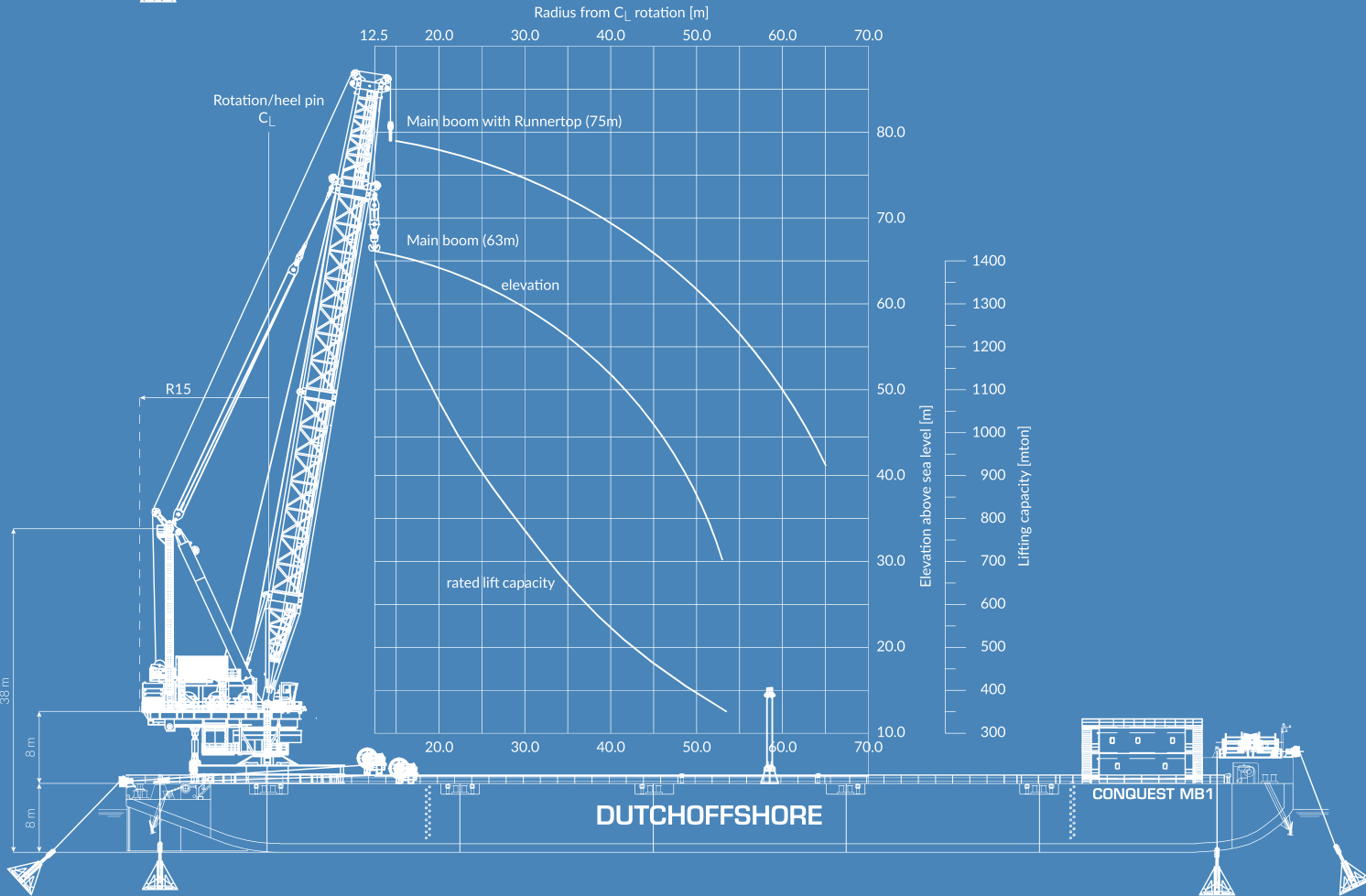
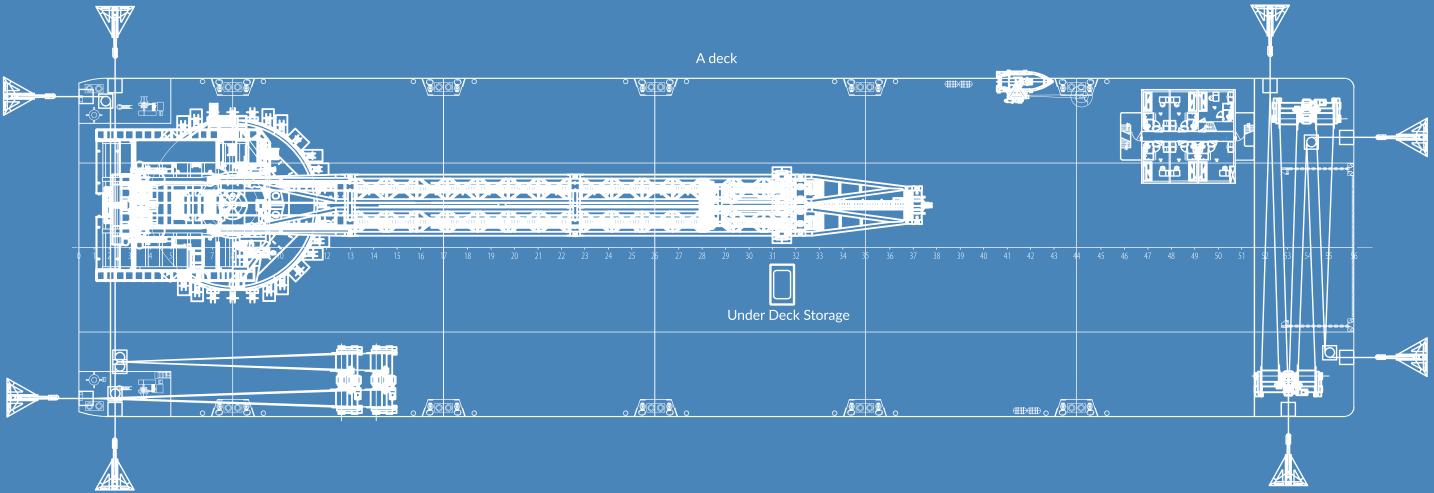
Various delta flipper anchors



12-person accommodation and control room



The crane barge is designed and constructed in accordance with the latest rules and regulations of RINA





1 Sideview of the crane barge, with 180ton HD crawler crane | 2 1400ton main crane with sea-fastening for towage
3 1400ton main crane with sea-fastening for ocean towage



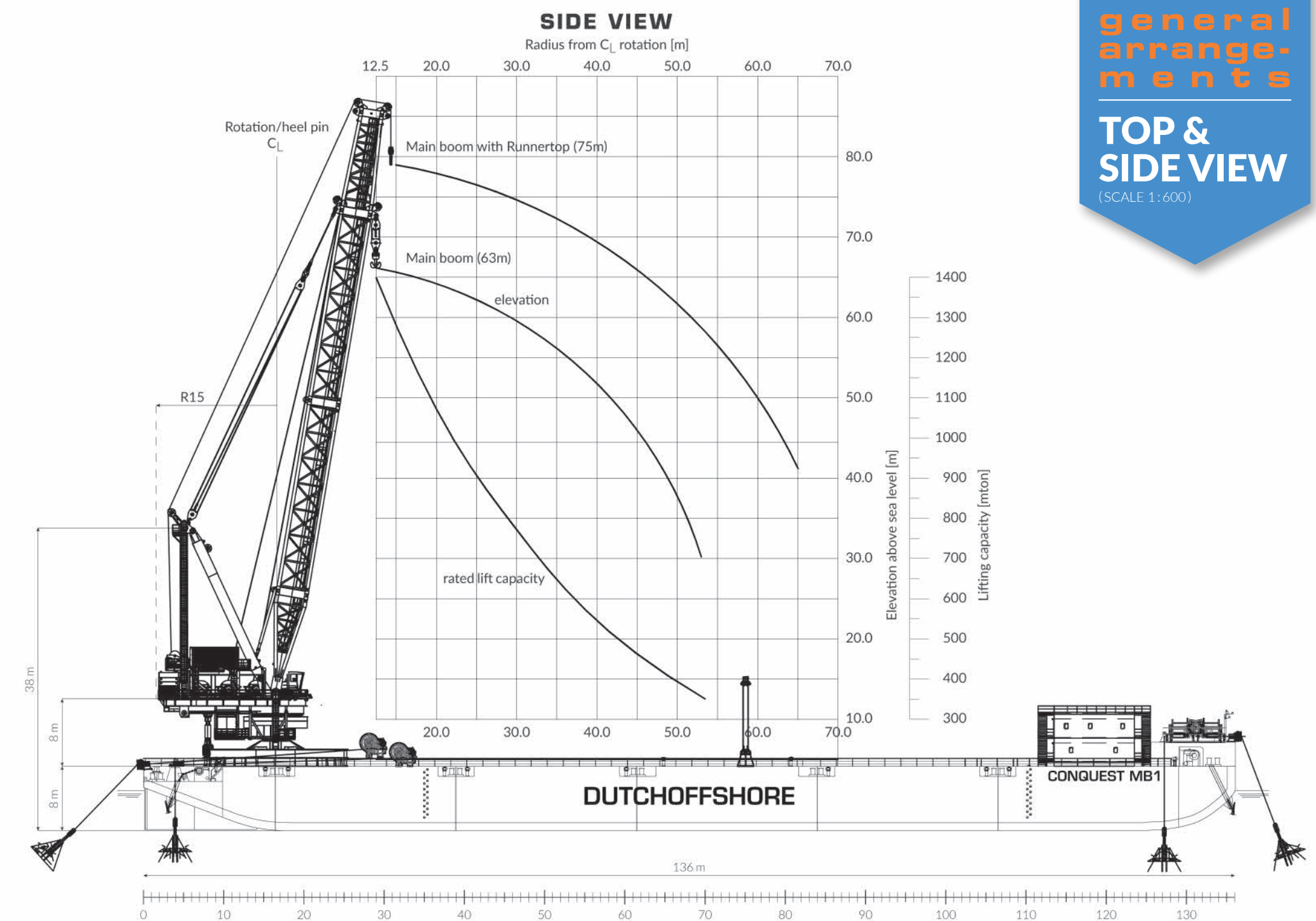
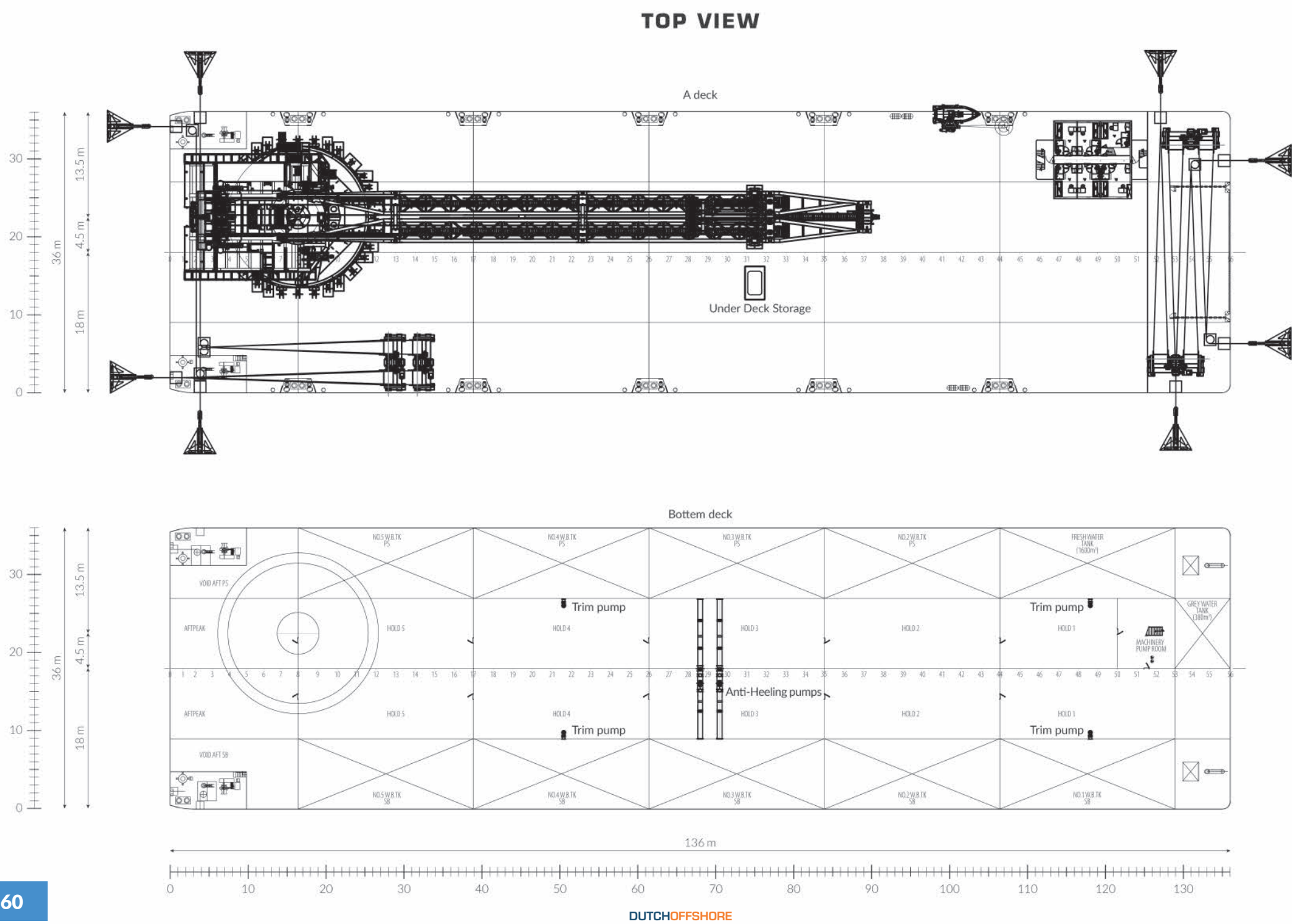
1 Crane cabin controls | 2 Ballast system control screen | 3 E-room of the Siemens DC electric drive system
4 Ballast controls for automatic ballast system of up to 8000m³ | 5 Anti-heeling pumps 2x 2000m³ and 4x 1000m³ | 6 Internal ballast water system



1 Double drum waterfall winches | 2 Control room on top of the accommodation | 3 Cooler containers | 4 Control system for winches with camera's | 5 Fairleads | 6 Fairleads and deck sheaves for anchor system



1 FiFi piping | 2 Entrance to storage and emergency generator | 3 Fresh water bunker connection | 4 Workshop
5 Sewage, port generator and main CAT3508 generator system. | 6 Good crew is our greatest value | 7 Fuel bunker connections



DUTCHOFFSHORE

CRANES | GRABS | CRANE BARGES | DP2 VESSELS

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