

Marine Masters track record highlights

SALVAGE OF SALMON FEED BARGE

Client: Bakkafrøst
Year: 2022 (September to December)
Location: Scotland, Portree, Skye Island
Services: Full removal contract

Project scope:

A fish feed barge supplying pellet food to the salmon farm in Portree Harbour, Isle of Skye sank during Storm with 400Mt of feed on board in a water depth of ~35m.

During the preparation campaign we installed lift rigging through the mooring tubes of the barge from a locally sourced multicat. This operation was challenging as the barge sank into the muddy seabed, meaning that also the lift rigging was to be pulled through 5m of clay before it was in position. Additionally, the feed on board the barge was starting to decay resulting in toxic and explosive gasses on site.

Subsequently we mobilized a 1800Mt sheerleg from the Netherlands that lifted the 1000Mt heavy feed barge out of the seabed upon surfacing of the its main deck. The seawater and toxic feed were then pumped into a tanker till the feed barge was in a safe floating condition.

Marine Masters acted as the main contractor performing all the engineering in house and managing the complete operation.



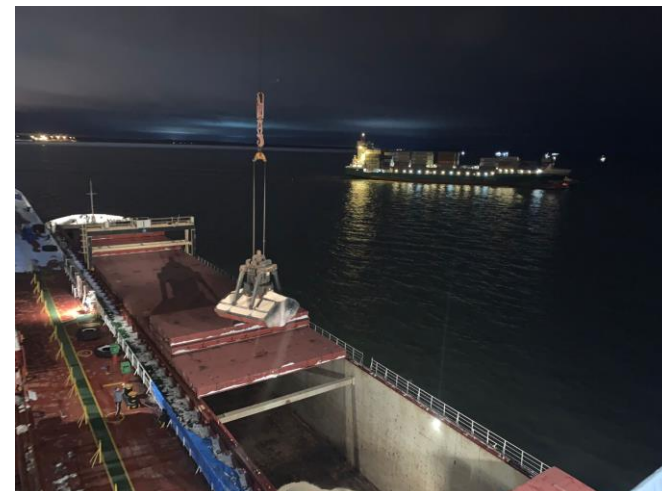


DISCHARGE AND REFLOATING OF TOMINI PROSPERITY

Client: Underwriters
Year: 2021 (December)
Location: Ust Luga, Russia
Services: Salvage Master

Project scope:

Refloating of grounded bulk carrier loaded with highly flammable ammonium nitrate. First the 6250Mt cargo offloaded to a carrier moored alongside which was arranged by the cargo owner. Subsequently five local tugs boats were chartered to refloat the casualty.



SALVAGE OF DONNA PAULA

Client: Formento

Year: 2021 (September to November)

Location: India, shipyard Lavgan, Jaigad

Services: Project Management and Engineering

Project scope:

Several hoisting beams of the Syncrolift collapsed during lifting operations of the 2200Mt heavy crane barge “Donna Paula” in an attempt to place her on the quay side of Lavgan shipyard for dry docking operations. Marine Masters joined forces with Fagioli and executed a successful jacking operation, using a system of synchronized strand jacks whereby the Donna Paula was safely stabilized and lowered after which she was completely refloated and redelivered along the quayside. The project was executed within the time schedule and to the full satisfaction of the client.





WRECK REMOVAL OF CAPSIZED “WIN FAR NO 161” INCL. SUBSEA REMOVAL OF 350m³ DIESEL OIL

Client: Post & Co
Year: 2021 (Feb to July)
Location: Port of Beira, Mozambique
Services: Full removal Contract

Project scope:

As a priority, we removed the 350m³ diesel oil from the fishing vessel using our own MM specific hot tap equipment while the casualty was lying on her starboard side. Upon completion, we parbuckled the fishing vessel and refloated the vessel upside-down.

By refloating the vessel in an inverted position we avoided expensive heavy lift equipment which was not available in Mozambique. As a result, this solution was time and cost-effective.

The local authorities granted permission to beach the vessel at high water in the upside-down position for further disposal.

Marine Masters provided the hot tap equipment and complete salvage team to remove the diesel oil and to refloat the fishing vessel. Other salvage equipment was sourced locally.





SCR SALVAGE EEMSLIFT HENDRIKA

Client: Underwriters
Year: 2021 (April)
Location: Alesund, Norway
Services: Casualty Representative

Project scope:

The 4,200Mt heavy-lift vessel “Eemslift Hendrika” ran into trouble en route from Bremerhaven in Germany to the Norwegian port of Kolvereid. While sailing in heavy seas the vessel listed. The 12 crew members of the vessel were evacuated. The salvor connected two towlines to two tugs and towed the vessel to the port of Alesund.



SALVAGE OF SUKRAN C

Client: Underwriters
Year: 2020 (December)
Location: Gulf of Biscay, Spain
Services: Salvage Master

Project scope:

Chemical/oil products tanker “Sukran C” suffered a fire on board which was extinguished by the crew. The tanker however was reported disabled and required towage.

Marine Masters were appointed to act as Salvage Master and additionally provided a fire expert/chemist to assist the salvor with the salvage operations.



REFLOATING OF LADY HALOUM

Client: Underwriters
Year: 2020 (December)
Location: Tripoli, Libya
Services: Special Casualty Representative (SCR)

Project scope:

Container ship “MSF Lady Haloum” was reported pushed into the breakwater of Tripoli port by a strong storm.

Lady Haloum was safely refloated and towed into port. For this operation Marine Masters were appointed to act as SCR.



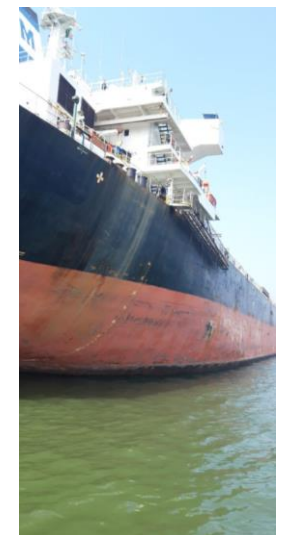
REFLOATING OF EVANGELIA M

Client: Underwriters
Year: 2020 (January)
Location: Kakinada Port, India
Services: Inspection and refloating

Project scope:

In December 2018, heavy weather caused dragging of the anchors of the “Evangelia M”. As a result, the vessel shifted and subsequently grounded at Kakinada Port.

Marine Masters were asked to inspect the Evangelia M and subsequently provided the necessary support to refloat her. We successfully completed the tasks according to the client’s requirements.



SALVAGE OF FISHING VESSEL HEL 103

Client: Underwriters
Year: 2020 (January)
Location: Gulf of Gdansk, Poland
Services: Project Management and Engineering

Project scope:

In April 2018 the fishing vessel “HEL 103” capsized and sank to a depth of 63m at the gulf of Gdansk, approx. 12 Nm east of Gdansk (Poland).

A new Salvor was appointed after the first attempt to refloat the vessel failed. The contract for the subsea work was awarded to Dutch diving company Qceas. Marine Masters assisted Qceas during the entire operation.

The diving operation was a challenge for the salvors due to the 63m water depth. Special diving decompression tables, suitable for a depth up to 65m, were prepared for a trimix diving operation.

The necessity to remove mud for lifting slings installation, with a maximum bottom dive time of only 24 minutes, made the recovery operation extra complicated. In addition, the weather hampered the salvage operations several times.

The recovery of the HEL 103 was successfully completed using a Polish heavy lift vessel.





SALVAGE OF NI SHI NALINI

Client: Mormugao Port Trust
Year: 2019 (November)
Location: Mormugao, India
Services: Management and Engineering

Project scope:

Marine Masters was awarded the contract by the Mormugao Port Trust in India to refloat a chemical tanker and discharge the Naphtha cargo onboard. The tanker dragged anchor and ran aground off the coast at Goa during adverse weather conditions.

The tanker was loaded with naphtha and the engine room, pumproom and several double bottom tanks were breached. Marine Masters involved local suppliers and contractors to prepare the refloating operation and executed the refloating operation with a team of experienced salvage experts and dive teams from the Netherlands safely.



SALVAGE OF ATLANTIC PEACH

Client: Koole
Year: 2019 (June to October)
Location: Libya, Mediterranean Sea
Services: Project Management and Engineering

Project scope:

The 5600Mt heavy container vessel Atlantic Peach ran aground in the shallows off Port of Tripoli. Marine Masters joined forces with Koole to cut the vessel into segments after which they were lifted out of the water, placed on a barge and subsequently transported to the disposal yard. All operations were executed within the time schedule and to full satisfaction of the client despite the unpredictable political environment.

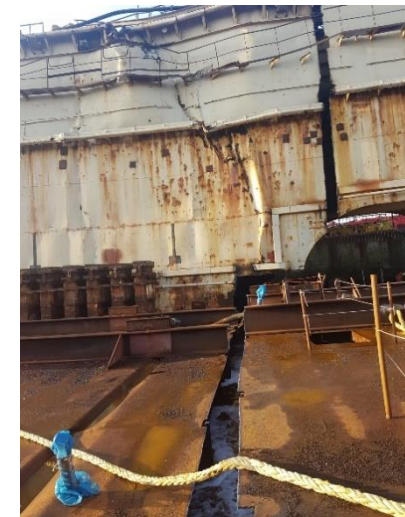


SALVAGE OF DOK 4

Client: Koole
Year: 2019 (August-September)
Location: Netherlands
Services: Project Management and Engineering

Project scope:

In the summer of 2019 Marine Masters teamed up with Koole to executed the salvage operation of the floating 10.000Mt heavy drydock "Dok 4". The floating dry dock was first cut in two sections after which a Semi sub was precisely positioned under each segment. Then the segments were gradually recovered on deck of the semi sub by synchronized deballasting operations and subsequently transported to the disposal yard.



SALVAGE ASSISTANCE IN BEIRA, MOZAMBIQUE

Client: Underwriters
Year: 2019 (June)
Location: Beira, Mozambique
Services: Project Management and Engineering

Project scope:

In 2019, the intense tropical cyclone Idai made landfall near Beira, Mozambique leaving seven vessels aground. The vessels included tugs, hopper barges, spud barges and hopper dredgers .

Marine Masters were appointed by the leading hull underwriters to make damage assessments and to advise during the salvage operation. We provided local assistance during the salvage operation of six of the vessels.



SALVAGE OF EFE MURAT

Client: Underwriters
Year: 2019 (February - March)
Location: Bari, Italy
Services: Project management and engineering

Project scope:

In 2019 the “Efe Murat” grounded on a breakwater of Pane e Pomodoro beach at Bari (Italy) after she encountered bad weather conditions. For safety purposes, the crew abandoned the casualty at a later stage.

The casualty was resting with her starboard side against the stones and suffered several damages in her hull as she was pushed to the shallow waters by strong winds and rough sea.

First Marine Masters arranged oil recovery equipment on site and a salvage team that performed a survey on-board the casualty to determine the damage and obtain the necessary information to provide the Port Authorities with a bunkers removal plan. Subsequently, the bunkers removal operation started.

With tug assistance Marine Masters succeeded in safely refloating the vessel from the rocks and subsequently moored the vessel on a berth in Bari port.



SALVAGE CONSULTANT FOR AULAC FORTUNE

Client: P&I club
Year: 2019 (January)
Location: Hong Kong
Services: Salvage consultancy

Project scope:

In January 2019, an explosion occurred on board the oil and chemical tanker "Aulac Fortune" while at anchor at South Lamma Dangerous Goods Anchorage in Hong Kong.

Following the explosion, a fire broke out on the main deck. This fire was extinguished quickly by The Hong Kong Fire Services Department. However, the vessel was in unstable condition and had taken a 28-degree list to starboard. Sadly the explosion resulted in the loss of three crew members.

Marine Masters were appointed as Salvage Consultant for the P&I Club to assist in the matter. Shortly after the fire was extinguished, Marine Masters attended the site and saw through the contract negotiation and the salvage operation until the vessel was in a suitable condition to be towed to a nearby port in China for repairs.





SALVAGE OF AMURIYAH

Client: Mammoet
Year: August 2016 to April 2017
Location: Iraq
Services: Project Management and Engineering

Project scope:

Supertanker Amuriyah burned and sank after being attacked by US Navy jets during the first Gulf War. Together with Mammoet the Amuriyah was cut into 700Mt sections which were then lifted to the surface and backloaded aboard of large flat barges for towage to the disposal yard in Ras al-Khaimah, UAE.





Marine Masters overall track record

Item	Project Description	MM role	Client	Location	Year
91	Lift and refloating of a sunken feed barge	Contractor	Bakkafrost	Scotland	2022
90	Wreck removal of bulk carrier OS35	Consultant	Port authority	Gibraltar	2022
89	Refloating of Sea Eagle	Consultant	Limakport	Turkey	2022
88	Wreck removal Tresta Star	Consultant	Port authority	Réunion	2022
87	Tow of barge with accommodation topside Ravenna - Klaipeda	Broker	Beluga	Lithuania	2022
86	Wreck removal Ras Tanura V	Consultant	Underwriter	Marocco	2022
85	Ballast engineers for transportation and offshore installation of jackets	Ballast Engineers	Van Oord	France	2022
84	Ship to ship transfer: mooring and transfer services of LPG & oil	STS Superintendent	Transoil	Vlissingen	2022
83	Ship to ship transfer: mooring and transfer services	Mooring Master	LTT Holland	UK	2022
82	Ship to ship transfer: mooring and transfer of LNG	STS Superintendent	Pro-liquid	Rotterdam	2022
81	Cruise vessel escort	Contractor	Artium	Antarctica	2022
80	Consultancy for oil and wreck removal of casualty "Bjungfjord"	Consultant	Underwriter	Denmark	2022
79	Anchor recovery consultant to shipowner	Consultant	Artium	Netherlands	2022
78	Assisting tanker with edible oils discharge	Supervisor	Proliquid	Netherlands	2022
77	Discharge and refloating of casualty "Tomini Prosperity"	Contractor	Underwriter	Russia	2021
76	Ship to ship transfer: mooring and transfer of 3500Mt Polypropylene	Mooring Master	Transoil	Netherlands	2021
75	Ship to ship transfer: mooring and transfer of 30000Mt Naphtha	Mooring Master	Vitol	Spain	2021
74	Ship to ship transfer: mooring and transfer of 40000Mt Condensate	Mooring Master	Shell	Nigeria	2021
73	Emergency drydocking of Chemical Tanker: Shaft pulling and overhaul of shaft bearings, overhaul of Main Engines	Technical Superintendent	ST Management	Martinique	2021
72	Refloating of grounded casualty "Cosco Kunlunshan"	Contractor	Cosco	Cameroun	2021
71	Removal of 350m ³ diesel oil from capsized vessel "Win Far no 161"	Contractor	Post&Co	Mozambique	2021
70	Vessel "Eemslift Hendrika" adrift	SCR	NNPC	Norway	2021
69	Removal of wreck "Win Far no 161"	Contractor	Post&Co	Cameroun	2021
68	Refloating of grounded casualty "T moon"	Salvage consultant	Megatugs	Greece	2021
67	Stabilizing listing casualty "Maxima"	Salvage consultant	Wagenborg	Netherlands	2021
66	Refloating of grounded casualty "River Thames"	Salvage consultant	Megatugs	Spain	2021
65	Lift and refloating of stuck casualty "Donna Paula"	Contractor	Formento	India	2021



MARINE MASTERS B.V.
TRACK RECORD - SALVAGE

Item	Project Description	MM role	Client	Location	Year
64	Providing engineering, budget and supervision over the manufacturing and installation of large capacity pumps	Consultant	Boskalis	Singapore	2020
63	Ship to ship transfer: methanol transshipment	STS superintendent	Shell	Nigeria	2020
62	Management and engineering services for the T&I for East Cendor platform	Project management and engineering	SPT	Malaysia	2020
61	Preparation, budget and execution for drydocking of two tankers	Technical superintendent	ST Management	Spain	2020
60	Refloating of grounded casualty "Ultra Regina"	Salvage master/naval architect	WK Webster	Argentina	2020
59	Refloating of grounded casualty "UK 172"	Salvage consultant/SCR	Post&Co	Denmark	2020
58	Refloating of grounded casualty "Mercury Ocean"	Salvage consultant/Naval Architect	WK Webster	Russia	2020
57	Refloating of grounded casualty "Lady Haloum"	Salvage consultant/SCR	MS Amlin	Libya	2020
56	Casualty on fire "Sukran C"	Salvage Master	Mega Tugs	Spain	2020
55	Refloating of grounded casualty "Irma S"	Salvage Master	Mega Tugs	Greece	2020
54	Refloating of grounded casualty "Cosco Kunlunshan"	Salvage Master	Cosco	Cameroun	2020
53	Installation and removal of suction piles on Seagreen windfarm	Project management and engineering	SPT	UK	2019
52	Transport and installations of an artificial reef	Project manager	Qatar port authorities	Qatar	2019
51	Decommissioning F3FA platform	Project management and engineering	Spirit O&G	Netherlands	2019
50	Decommissioning and relocation of Ophir platform	Project management and engineer	Vestigo	Malaysia	2019
49	Drydock: overhaul of CPP	Technical superintendent	ST Management	Belgium	2019
48	Manufacturing and installation of large capacity pumps	Project Manager	Boskalis	Singapore	2019
47	Removal of Naphtha out of vessel casualty "Nu Shi Nalini"	Salvage Master	LOTS	India	2019
46	Recovery of cargo and containers from casualty "MSC Zoe"	Salvage Master	West of England	Netherlands	2019
45	Refloating of vessel "Evangelia M"	Salvage Master	MS Amlin	India	2019
44	Transshipment of casualty "Star Angia"	Salvage Master	Starbulk	India	2019
43	Wreck removal of casualty "Atlantic Peach"	Contractor	Koole BV	Libya	2019
42	Removal of oil and refloating of vessel "Efe Murat"	Contractor	Megatugs	Italy	2019
41	Wreck removal of casualty "Hel 103"	Contractor	Oceas	Poland	2019



MARINE MASTERS B.V.
TRACK RECORD - SALVAGE

Item	Project Description	MM role	Client	Location	Year
40	Inspection of grounded casualty "Crystal Sea"	Salvage consultant	American Club	Sri Lanka	2019
39	Review of Salvors plans and activities of casualty "Natalia"	Salvage consultant	MS Amlin	Turkey	2019
38	Review of Salvors plans and activities of casualty "Emodrada"	Salvage consultant	MS Amlin	Mozambique	2019
37	Review of Salvors plans and activities of casualty "Aulac Fortune"	Salvage consultant	C Solutions	Hong Kong	2019
36	Inspection of grounded casualty "Ou Ya Leng"	Salvage consultant	WK Websters	Marshall Islands	2019
35	Refloating of grounded casualty "Ou Ya Leng"	Contractor	Mumbai Port Authority	India	2019
34	Wreck removal of "Dok 4"	Contractor	Koole BV	Netherlands	2019
33	Inspection of casualty "Sri Lanka Glory"	Salvage consultant	American Club	Sri Lanka	2019
32	Review of salvors plans and activities of grounded casualty "Prosper Sunshine"	Salvage Consultant	Hydor		2019
31	Pilotage, transfer, claim handling for offshore methanol delivery	Marine operations manager	Shell	Nigeria	2018
30	Method Statement, Subcontract Management, Cost Control for Halfweg platform decommissioning	Project management and engineering	Spirit O&G	Netherlands	2018
29	R&D study for grout removal offshore platform	Project engineering	Petrogas	Netherlands	2018
28	Method Statement, Subcontract Management, Cost Control for transport and installation of offshore platform	Marine operations manager	Spirit O&G	West Africa	2018
27	Project management for heavy lift platform modifications	Technical superintendent	Boskalis	Europe	2018
26	Method Statement, cargo discharge and refloating for emergence response of casualty "Inca Queen"	Salvage consultant, naval architect	Undisclosed	Colombia	2018
25	Refloating of casualty "El Venezolas"	Salvage Master	Megatugs	Greece	2018
24	Refloating of casualty "Arslanbey"	Salvage Master	Megatugs	Greece	2018
23	Assessment of casualty "Anganba"	Salvage consultant	WK Websters	Cameroun	2018
22	Refloating of casualty "Nanami"	Salvage Master	Megatugs	Greece	2018
21	Owners representative for casualty "Priscilla"	Salvage consultant	Wagenborg	UK	2018
20	Refloating of casualty "Levante S"	Salvage consultant and naval architect	Undisclosed	Qatar	2018
19	Refloating of casualty "Pushing Daisies"	Salvage consultant	Raets Marine	Taiwan	2018



MARINE MASTERS B.V.
TRACK RECORD - SALVAGE

Item	Project Description	MM role	Client	Location	Year
18	Pilotage, transfer, claim handling for offshore methanol delivery	Marine operations manager	Shell	Nigeria	2017
17	Transport and installation of wellhead platform	Project management and engineering	SPT	Malaysia	2017
16	Removal of subsea ammunition	Dive supervisor	Ardent	North sea	2017
15	removal of 12 pipes 480 meters and 2,5 meter diameter	Marine operations manager	Dutch Marine Contractors	UK	2017
14	Salvage of jack up "Ribble"	Salvage consultant	MS Amlin	Russia	2017
13	Equipment Maintenance for salvage casualty "Kea Trader"	Salvage engineer	Ardent	New Caledonia	2017
12	Towage of heavily damaged high speed ferry "Swift 2"	Salvage consultant	MS Amlin	Eritrea	2017
11	Ship to Ship transfer casualty "St Gregory"	Marine operations manager	Megatugs	Greece	2017
10	Extinguish fire and towage of casualty "Usichem"	Salvage master	Megatugs	Med	2017
9	Method statement and cost estimation for casualty "Fluvius Tamar"	Salvage master	Deme	North Sea	2017
8	Towage of casualty "Fluvius Tamar" to disposal yard	Salvage master	Ardent	North Sea	2017
7	Supervision over salvor for casualty "Jenin"	Salvage consultant	Undisclosed	Iran	2017
6	Inspection on casualty "Mestre Simao"	Salvage master	Ardent	Azores	2017
5	Supervision over salvor for casualty "Genessa"	SCR	American club	India	2017
4	Removal of casualty "Amuriyah"	Salvage Master	Mammoet	Iraq	2017
3	Cargo removal, underwater operations refloating, re-stowage cargo casualty "Nova Cura"	SCR	P&I, NNPC	Greece	2016
2	Par-buckle refloating casualty "St. Christoph"	Salvage consultant	Braemar	UK	2016
1	ITT, ITT evaluation, follow up wreck removal for casualty "Flinterstar"	Salvage expert	Nautical commission Antwerp	North Sea	2016



Buoy installation projects (period 2016 – 2021)

Location	Client	Task	Equipment	Personnel
Russia/Novorrossisk	CPC/Chevron	installation of two buoys	DSV	Project Management
Russia/Novorrossisk	CPC/Chevron	installation of buoy	DSV	Project Management
UAE/Abu Dhabi	Adnoc	Installation of buoy	DSV/HLV	Project Management
Lithuania	Orlen	Installation of buoy	DSV	Project Management

Buoy management projects (period 2016 – 2021)

Location	Client	Task	Equipment	Personnel
Russia/Novorrossisk	CPC/Chevron	Buoy management, maintenance, mooring, transshipment	Tugs	Management, Divers
Port of Soedan	GNPOC	Buoy management, maintenance, mooring, transshipment	Tugs	Management, Divers
Angola	BP	Buoy management, maintenance, mooring, transshipment	Tugs	Management, Divers
De Kastri	Exxon	Buoy management, maintenance, mooring, transshipment	Tugs	Management, Divers
Lithuania	Orlen	Buoy management, maintenance, mooring, transshipment	Tugs	Management, Divers