In the bowels of *Ramdane Abane*

One of the six cargo tanks of *Ramdane Abane*. Total capacity: 126,000 m³ of Liquid Natural Gas at a temperature of -162°C
Ramdane Abane. IMO 7411961. Length 274 m. Algerian flag. Classification society Bureau Veritas. Built in 1981 in Saint-Nazaire (France) by Chantiers de l'Atlantique. She was the last in a series of 5 vessels built in France for Compagnie Nationale Algerienne De Navigation. Throughout their trading life, they have ensured the export of Algerian natural gas from Arzew and Skikda ports to the clients of Sonatrach, the Algerian national oil and gas company.

The 5 LNG tankers were all named after heroes of the Algerian war of independence. The Mostefa Ben Boulaïd, Larbi Ben M'hidi and Bachir Chihani built by Constructions navales et industrielles de la Méditerranée in La Seyne-sur-Mer were scrapped in Turkey in 2017 and 2018 (see "Shipbreaking" # 44, p 31 and # 48, p. 32-33), the Mourad Didouche built in Saint-Nazaire was deflagged, renamed Mourato and beached in Bangladesh in February 2019 (see "Shipbreaking" # 55 p. 41). The Ramdane Abane, the last of the series, is also the last to be scrapped. On October 27, 2014, loaded with 80,000 m³ of gas destined for the Turkish terminal of Botas in the Sea of Marmara, she suffered a blackout in the Dardanelles Strait. She went adrift, she was eventually taken under control. The Ramdane Abane then resumed trading. Owner Hyproc Shipping (Algeria). Sold as is in Arzew (Algeria). The Ramdane Abane is expected in India. 345 US$ per ton.
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Cover photo: inside of one of the LNG carrier Ramdane Abane cargo tank, built in 1981 in Saint-Nazaire (France) by Chantiers de l’Atlantique. © Chantiers de l’Atlantique

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So why not a small or even a large donation? That is our question.

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Death on the shipbreaking yards

Shipbreaking remains a hazardous industrial activity. Lack of mechanisation of certain operations, inhalation and explosion of toxic residual gases expose workers and metal sheet cutters to life threatening risks. In the Covid context marked by the labour shortage and the flow of passenger ships and tankers, the litany of accidents is getting longer.

Turkey
The Isiksan and Simsekler yards are included in the list of ship recycling facilities approved by the European Commission since June 2019 and November 2020 respectively. They take delivery of oil rigs and ships whose owners emphasise their will to have them scrapped in compliance with the criteria of the Hong Kong Convention or the European regulation. However, two workers have suffered fatal accidents in the last six months.

- October 3, 2020. Two Transocean drilling platforms are being scrapped at the Isiksan yard. Up above, a handrail breaks and falls on a worker. Hit in the head, he died. The height of an offshore platform is about one hundred metres, like the second floor of the Eiffel Tower.

- February 4, 2021. In the secondary cutting area of the Simsekler yard, a worker has just finished cutting a metal block with a blowtorch. A piece of scrap falls to the ground, the man did not move away. He is seriously injured and dies in hospital. According to the yard manager, the victim was experienced, having worked in shipbreaking yards for 15 years. Simsekler was chosen by Carnival Corp, the world's leading cruise company, to demolish two of her ships.

The results of post-accident investigations are not known. The saturation of the shipbreaking yards and the obligation to act quickly lead to lapses in vigilance and unsafe postures.

Bangladesh
According to the NGO Young Power in Social Action, seven workers died on the yards in 2020. Many others were injured, and some were left disabled. In the event of an explosion, fire, or a falling steel sheet, the industrial accident is undeniable. Poisoning by toxic gases is not systematically taken into account.

- December 13, 2020. Kranti Tripura, 25 years old, is a security employee at Janata Steel yard. He is on night shift on a ship. He feels ill all of a sudden. He is taken to the local hospital. He dies in the night.
- December 14, 2020. Jolendra Chakma, 24 years old, works at the Mother Steel yard. He felt faint at work. He is taken to hospital and dies the next morning. According to an inspector of the Department of Industry, these both deaths were not caused by accidents. No search for gas or toxic substances was mentioned.

- December 25, 2020. Ibrahim, 36 years old, dies in an accident at KSRM Shipbreaking yard. The circumstances are not known.

- February 6, 2021. Jashim, 40 years old, is cutting a pipe with a blowtorch in the engine room of a container ship at NR Shipbreaking yard. A gas pocket trapped in the pipe catches fire. The worker is taken to the local hospital and then to a specialised hospital for the treatment of burns in Dhaka. He dies a few days later.

- March 7, 2021. Ripon Mia, 37, is killed instantly by a falling metal sheet at the Tasin Steel yard. “Sometimes incidents like this one happen in spite of [owners’] efforts to save workers from accidents”, says the owner of the yard.

The 2nd quarter of 2021 started in a tragic way as the Bangladeshi government announced at the beginning of the year new constraints on the delivery of ships for scrapping. It wants to make mandatory for importers to have the inventory of hazardous materials as defined by the Hong Kong Convention on Ship Recycling which, it should be recalled, has not yet entered into force. Currently, certificates stating the absence of hazardous materials are sufficient. NGOs and trade unions have already pointed out the proliferation of certificates of convenience issued by companies registered in tax havens such as Saint Kitts and Nevis or Palau. For its part, the Ministry of Industry recognises that it does not currently have the equipment that would enable a reliable control of the Inventory of Hazardous Materials.

April 11. An explosion occurs at the Jamuna Shipbreakers yard. Workers were cutting a pipe on the tanker Agros (see p. 60). It still contained oil. Pilot, 22 years old, Samad, 40 years old, and Jihad, 18 years old, suffer severe burns. They are taken to Chattogram Medical College Hospital. Their condition worsens and they have to be transferred to Dhaka hospital, more than 200 km away. Jihad dies 5 days later.

April 13. Ataur Rahman, a 45-year-old foreman, is hit by a falling metal sheet at RA Shipbreaking yard. The accident took place in the evening around 7 pm. He is taken to the local hospital 3 hours later and dies of his injuries the next morning.

April 24. Belal Hossain, 44 years old, suffers burns at MM Shipbreaking yard. The fire broke out while he was cutting a pipe for a scrap metal buyer. The buyer also had to be treated. The yard director makes no comment on the incident, he has switched off his phone.
Nehir, from migrants to cocaine

The Nehir, a small oil tanker, was boarded on February 22, 2021 south of the Bay of Biscay by the Spanish Navy. She was carrying 3 t of cocaine. The crew of the Nehir scuttled the ship in an attempt to remove the evidence of the traffic. But the loot, with a resale value of 100 to 150 million euros, was transferred to a Spanish Navy patrol boat. The nine crew members of the Nehir, Turkish and Georgian nationals, were rescued.

February 2021, arrest and scuttling of the Nehir. Screenshots © Guardia Civil

Under the name Elhiblu 1, the tanker has already been in the headlines. She was intercepted at the end of March 2019 by the Maltese navy and escorted to Valletta with 108 migrants recovered off Libya.

March 30, 2019, arrest of the Elhiblu 1, Valletta (Malta). © Jeune Afrique

Malta had let the Elhiblu 1 leave after reporting some minor deficiencies on board. She was located in the port of Tuzla (Turkey) in September 2020. Renamed Nehir on September 9, 2020, she left the Sea of Marmara on December 17, 2020. She crossed the Strait of Gibraltar on January 7, 2021, was reported off the Canary Islands on January 10 and was positioned off Nouadhibou (Mauritania) since January 15, 2021.
Spanish investigators believe that the cocaine was to be transhipped somewhere in the Bay of Biscay in one or several ships, perhaps fishing or pleasure boats, before being distributed to several European countries. For decades, there have been sporadic arrivals of cocaine bales along the French South Atlantic coast, as if several sea rendezvous of traffickers had for unknown reasons failed.

At the scene of the Nehir's scuttling, oil pollution is feared and the Maria de Maeztu remains on the spot to detect oil sheen and mobilise recovery means if necessary.

**Nehir (ex-Elhiblu 1)**, IMO 9753258. Tanker. Length 52.8 m. Palau flag since November 2020; previously Turkey (September 2020), Palau (March 2019), Turkey (August 2015). Classification society Turk Loydu since December 2020, previously Bureau Veritas. Built in 2015 in Pendik (Turkey) by Argem Tersanecloak. Sold by her original Turkish owner Bursen Lojistik Denizcilik in March 2019 to Salah Ali M Elhiblu registered in Palau and domiciled in Libya. No detentions. From 2015 to 2019, she was operated in Black Sea ports.
Urgent: *Rio Tagus*, call for shipbreaking and reason

In February 2021, the Occitanie region, owner of the port of Sète, issued a call for tenders for the scrapping of the *Rio Tagus*. The announcement states that the demolition of the wreck will have to be carried out on site: “the main place of performance of the contract is the port of Sète-Frontignan”. The *Rio Tagus* will have to be loaded onto a barge or a floating dock prior to cleaning-up, asbestos removal and sorting of waste from the demolition.

* Rio Tagus, July 2020. How much longer will she float? © Anthony Levrot

We are keeping our fingers crossed that the Occitanie region and the port of Sète will finally be able to put an end to this soap opera which began on October 31, 2010. Arrived in damaged condition, abandoned by a ghost shipowner, unsaleable for further trading operation, victim of water ingress, sold to a Spanish scrap metal dealer who wished to export her for scrapping in a less constraining environment, unsafe for a voyage under tow according to maritime security inspectors, the *Rio Tagus* has been annually tendered out for scrapping since February 2019. No tender has been followed up: the administrative court of Montpellier in November 2019 and then the Conseil d'État, the highest French administrative jurisdiction, in July 2020 held that the demolition was of no particular urgency.

The *Rio Tagus* stands out among the yachts in the expanding Sète marina. She is a wreck of Damocles which threatens to sink and pollute.

* Screenshots Google Earth

See also:
Ubu, commandant du *Rio Tagus*, 8 juillet 2020 (French language only)
“Shipbreaking" # 57, p. 6. The *Rio Tagus* slow-speed death. Novembre 2019
Update of the European list of approved ship recycling facilities

The European Commission published on December 16, 2016 its first list of approved ship recycling facilities. Vessels flying the flag of a Member State must be exclusively directed to these yards since the entry into force of the EU Regulation (January 1, 2019). The 8th list is to be published in the 3rd quarter of 2021. The draft update is available on the European Commission's website. It includes 44 yards. In the context of Brexit, the UK yards have been removed from the list at the end of the transition period, i.e. December 31, 2020, with the exception of the Harland & Wolff yard in Belfast, which benefits from the Northern Ireland Protocol.

The availability of yards continues to grow, especially in Northern Europe: 3 yards established in Denmark, Norway and the Netherlands will be included. In Southern Europe, a yard in the Basque Country has been introduced, but no new yards in the Mediterranean have joined the Genoa yard San Giorgio del Porto.

European shipowners own 35% of the world fleet, and 24% of the 342 ships scrapped between October 1st, 2020, and March 31, 2021. Only 11 vessels (3%) were delivered to European yards. Most of these are service vessels, seismic research vessels or offshore service vessels. Merchant ships, container ships or tankers were only delivered in Danish yards. The largest ship scrapped in a European yard was the 120 m long FPSO Petrojarl Banff (see p. 69), which was broken up by the Danish yard MARS. Decommissioned Navy ships are also occasionally delivered to European yards.
"Be Sharp, Ship Bismark" says the company's motto on its website. Mr Sharp is the director of Bismark Maritime Ltd.

Three of its discarded cargo ships are for sale as is in Lae (Papua New Guinea). They are laid up in a waiting area. The Pacific Express has been anchored off since October 2017 and has no more moved. She was joined in April 2020 by the Island Express and in June 2020 by the Moresby Express II. The main engines and cranes of all three vessels are out of use, and various equipment has been removed. Their only future is to be scrapped or to fall to pieces.

Bismark Maritime Ltd, based in Lae, the country's second largest city, has been operating a shipping business between the ports and the islands of Papua New Guinea since 1990. In 2021, Bismark Maritime Ltd still claims 16 merchant and service vessels, general cargo vessels, container ships, tugboats and landing craft, some of them are inactive.

In May 2020, Bismarck Maritime Ltd got a 3 million Kina (840,000 US$) contract with the Papua New Guinea government to carry fruit and vegetables produced by Highlands farmers from Lae to the capital city Port Moresby. Upon arrival, the fresh products were rotten, they were not transported in a reefer container.

Bismark Maritime Ltd presents itself as one of the largest shipping companies in Papua New Guinea. Let's hope Bismark will treat its wrecks with more care than fruit and vegetables.
Pacific Express (ex-Ulla Scan, ex-Balticon Hamburg, ex-BBC America, ex-Karsnes, ex-Bingum, ex-BBC America). IMO 9173343. Length 101 m, 2,722 t. Papua New Guinea flag. Classification society Registro Italiano Navale until August 23, 2018. Built in 1999 in Tianjin (China) by Tianjin Xingang. Owned by Bismark Maritime Ltd (Papua New Guinea) since March 2012. Detained in 2004 in Argentia (Canada) and Vladivostok (Russia) and in 2007 in Cagliari (Italy). Her main engine is out of use, the cranes have been dismantled, various equipment has been removed from the bridge as well as the auxiliary generators, the emergency generator, the lifeboat and electrical components. The Pacific Express II has been laid up since October 2017 in Lae. She is for sale as is with 4 tonnes of marine gas oil (MGO) and 45 tonnes of heavy fuel oil (HFO).

Pacific Express, Lae, March 30, 2020. © Foggy

Island Express (ex-BBC Denmark, ex-Wangerooge). IMO 9197674. Length 101 m, 2,686 t. Papua New Guinea flag. Classification society Registro Italiano Navale until December 30, 2020. Built in 1999 in Shanghai (China) by Zhonghua Shipyard. Owned by Bismark Maritime Ltd (Papua New Guinea) since April 2016. Detained in 2011 in Fremantle (Australia). Her main engine and two cranes are out of use, various equipment has been removed from the bridge as well as electrical components, an auxiliary generator and the lifeboat. The Island Express has been laid up since April 12, 2020, in Lae. She is for sale as is with 4 tonnes of marine gas oil and 8 tonnes of heavy fuel oil.

Island Express, in service departing Port Moresby, January 2018. © Foggy

Moresby Express II (ex-BBC Ukraine, ex-BBC Japan, ex-Juister Riff). IMO 9224611. Length 101 m, 2,785 t. Papua New Guinea flag. Classification society Registro Italiano Navale until December 31, 2020. Built in 2000 in Tianjin (China) by Tianjin Xingang. Owned by Bismark Maritime Ltd (Papua New Guinea) since November 2013. Detained in 2006 in Korsakov (Russia) and in 2011 in Tianjin (China). Her main engine and two cranes are out of use, various equipment has been removed from the bridge as well as the lifeboat and electrical components. The Moresby Express II has been laid up since June 12, 2020, in Lae. She is for sale as is with 4 tonnes of marine gas oil.

Moresby Express II, April 1, 2020, last delivery in Lae. © Foggy
Overview from October 1st, 2020, to March 31, 2021
4th quarter 2020 - 1st quarter 2021

342 ships to be scrapped, 3.3 million tonnes from October 2020 to March 2021. Business has resumed, with, in particular, the beaching of Very Large Ore Carriers and Very Large Crude Carriers.

The market reflects the world's economy and health. 2021 had a good start with the suspension of Chinese imports of Australian iron ore which boosted secondary steel prices and consequently the prices offered by yards for ships to be scrapped. However, at the end of March, yards are about to experience the 3rd wave of the Covid-19 pandemic. The Indian subcontinent is already affected to varying degrees, Bangladesh and Pakistan remain vigilant, the situation in India is tragic. India had already experienced oxygen shortages in September 2020, which had reduced the activity of the shipbreaking yards. Daily infections were around 100,000 in autumn 2020, in spring 2021 they are 400,000. The tonnage recycled in January-February-March 2021 was halved compared to the last quarter of 2020. In April 2021, Indian shipbreaking activity is not reduced, it is stopped. Oxygen in resuscitation rooms takes precedence over oxygen in demolition blowtorches.

In tonnage over the last 6 months, Bangladesh (42%) is well ahead of India (26%) and Pakistan (18%), followed by Turkey (5%). Pakistan confirms the return initiated in the second quarter and its appetite for oil tankers. It took delivery of 20 of the 79 tankers scrapped in the last 6 months, including 4 of the 9 VLCCs, the Belema Sweet (p. 62), Euro Destiny (p. 64), Merlion M (p. 67) and the ex-Samho Crown and her fire residues (p. 69).

Oil, chemical and gas tankers have made a strong comeback in the last six months. Their tonnage has increased from 202,000 t from July 1st to September 30 to 481,000 t from October 1st to December 31, 2020, and to 803,000 t for the first quarter of 2021 alone. From October 1st, 2020, to March 31, 2021, they account for 40% of the ships to be scrapped. This is the first category ahead of bulkers (35%). The others are far behind. The scrapping of cruise ships continues in Turkey when a space in a yard becomes available. It has mainly moved to India with more attractive prices per ton for shipowners or banks. The Columbus, Magellan and Marco Polo previously owned by the bankrupt British company Cruise and Maritime Voyages were beached in Alang.
Prices per tonne experienced an overall increase. At the end of the period, they were around 470 US$ per ton in the Indian subcontinent with peaks reaching 750 and 850 US$ for tankers with stainless steel, 260 US$ per ton in Turkey.

306 ships out of 342 were scrapped in the Indian subcontinent, in China and in Turkey, i.e. 89% of the global tonnage, of which 82% for the Indian subcontinent only.

282 ships (86%) were classed by a classification society belonging to the IACS (International Association of Classification Societies).

145 ships (42%) have been detained prior scrapping. 3 general cargo carriers take all the places on the substandard ship podium : the My Rose (17 detentions) scrapped in Turkey, the Mohamed-1- (16 detentions) scrapped in Pakistan and the Berka 45 (12 detentions) scrapped in Indonesia. It should also be noted that the Jigawa (11 detentions), one of the 106 derelict ships targeted by "Shipbreaking" # 59 (p.45), was scrapped.

At least 114 ships were deflagged for their last voyage. One third of end-of-life ships were flying a funeral flag. Saint Kitts and Nevis (30) is ahead of Comoros (21) and Palau (20).

110 ships (32%) have been built in the European Union, in the United Kingdom and in Norway.
82 ships (24%) belonged to shipowners established in the European Union or in the European Economic Area. 54 were scrapped in Indian subcontinent yards, 11 in Turkish yards, 11 in European yards.

59 years. This is the age of the veteran, the cruise ship *Funchal* built in Elsinore (Denmark). Sold for scrapping after her failed reconversion into an accommodation vessel, her final destination is not known to date (see p. 23). Four other ships over 50 years of age have definitively retired: the ex-US Navy replenishment tanker *Chesapeake*, 56 years old, the cruise ship *Marco Polo* 55 years old, beached in Alang, the livestock carrier *Al Fahed* 51 years old, beached in Pakistan and the pipelayer *Castoro II* beached in Alang.

The average age for all categories is 29 years.

The youngest ones are the drilling ships *Titanium Explorer* (8 years old), *Noble Bully I* and *Noble Bully II* (9 years old) and the offshore service vessel *Kosarca Tide* (9 years old) all victims of the uncertainties of the oil market.

55 km, this is the length of the convoy of ships to be broken up.

172 ships (50%) were less than 150 m long, 92 between 150 and 200 m and 78 over 200 m, of which 23 VLOCs (Very Large Ore Carrier) and VLCCs (Very Large Crude Carrier) over 300 m.
Cruise ship

2020 : October-November-December = 8
2021 : January-February-March = 3

The scrapping of ships paralysed by the Covid-19 pandemic from the end of June 2020 initially benefited Aliaga Turkish yards. They are close to saturation, but the Astor, previously owned by bankrupt Cruise & Maritime Voyages, managed to find a space at the end of November, as did the Costa Victoria in January 2021, once stripped of her reusable equipment in the Italian port of Piombino. Other cruise ships, the Ori, ex-Horizon of Pullmantur, and the Mare C, ex-Mare Celebration of Marella Cruises, are still in the scarpyard waiting room at Eleusis (Greece), their final destination would be Turkey.

Since the end of 2020, India has become the new homeland for the ex-cruise ships. The first one to be beached in Alang on November 28 was the Indian-owned Karnika. She was joined on Alang beach by the Ocean Dream and Grand Celebration owned by two American shipowners, Ocean Dream Shipping Inc. and Bahamas Paradise Cruise Line, and by the Magellan, Columbus and Marco Polo previously owned by Cruise and Maritime Voyages (CMV) and auctioned in October 2020 in the United Kingdom.

The "crypto cruise ship"
Tourism underdogs and ghost companies have acquired at bargain prices some cruise liners that the major players have gotten rid of in order to survive the Covid crisis and the disaffection of customers. The tribulations of the Pacific Dawn illustrate these opportunistic takeovers that most often fail.

The Pacific Dawn was owned since 2007 by P&O Cruises Australia, the Australian subsidiary of Carnival Corp (USA). She was the first mega cruise ship with an Australian homeport and was celebrated by Australian Olympic champion Cathy Freeman. In November 2019, just before the burst of the Covid crisis, P&O Australia, whose parent company Carnival was planning the withdrawal of its oldest ships, announced the sale of the Pacific Dawn. After a final season, the Pacific Dawn will be handed over to Cruise and Maritime Voyages (CMV).
The storyline is turned upside down by the Covid-19 outburst and the subsequent bankruptcy of CMV in 2020. Like all cruise ships, the *Pacific Dawn* is idle, laid up in Manila (Philippines) first, and then in Greece.

New turn of events! She was acquired in autumn 2020 by Panama-registered Ocean Builders Central Inc c/o Columbia Cruise Services Ltd (Cyprus). The project of Ocean Builders Central Inc is inspired by the juridically autonomous floating cities promoted by the "seasteading" movement.

"Seasteading" is a think tank launched in 2008 in the United States that presents itself as visionary, humanitarian and revolutionary. The mission of the Seasteading Institute is to promote floating cities whose inhabitants or users would live in financial and political autarky. For the first in vivo applications off the mainland, the movement wants to rely on the financial means and the sense of innovation of "aquapreneurs" and on political or academic influencers.

In this context, the ex-*Pacific Dawn*, would be permanently anchored off the coast of Panama City; it will be accessible in a 30-minute ferry ride from Panama City. Dubbed a "Crypto cruise ship" by her promoters, the ex-*Pacific Dawn* is supposed to become a "tech hub", an independent principality with bitcoin as its currency. The cabins were to be sold to individuals or entrepreneurs for 25,000 to 50,000 US$ bitcoin equivalent, with an additional monthly fee allowing them to enjoy bars, casino, restaurants and other attractions. With a basic coat of paint, the *Pacific Dawn* renamed Satoshi - the smallest unit of bitcoin, 100 million satoshi = 1 bitcoin - sailed to Panama. The first cabins went on sale on November 5, 2020. However, the authorities in Panama refused to consider the ship as non-seagoing. The promoters of the independent republic hoped to bypass the IMO conventions and reduce insurance costs. The business plan failed: without insurance, the *Satoshi*’s cabins were unsellable.

In December, Ocean Builders Central Inc threw in the towel. The floating city of convenience has been sunk by the world's leading flag of convenience. Would Panama have been as uncompromising if the Ocean Builders project had been located next to the Maldives Islands or elsewhere?

*Satoshi* was announced for scrapping in India. She would have joined her sistership *Karnika*, ex-*Pacific Jewel*. In March 2021, new development, new speculation, the *Satoshi* left Panamanian waters. In a last-ditch attempt, she would have been sold to Wake Asset Co Ltd, a "European cruise start-up" registered in the British Virgin Islands. In the meantime, *Satoshi* was moored in Bar (Montenegro).

Built as Astor, she was originally to be operated by the South African company Safmarine between Southampton (UK) and Cape Town (South Africa). She was finally delivered to Mauritius-based Marlan Lines but was sold the year following her delivery to the Soviet company Black Sea Shipping Corp that renamed her Fedor Dostoevskiy. During her Soviet years, she was mainly chartered by German cruise operators. She was bought by the German company Transocean Tours and renamed Astor again in 1995. She passed under control of the British company Cruise & Maritime Voyages (CMV) when the latter bought Transocean Tours.

From April 2020 onward, the Astor was to be renamed Jules Verne and chartered by the French subsidiary of CMV. Cruises intended for a French-speaking clientele would depart from Le Havre or Marseille to Northern Europe, the Mediterranean, the Black Sea and the Canary Islands. A world tour in 123 days departing from Marseille on January 8, 2021 with arrival at Le Havre was scheduled.

The Covid-19 ruined the project. Cruise and Maritime Voyages was declared bankrupt, its fleet was auctioned by decision of the Admiralty Court in October 2020. "Shipbreaking" # 61 p. 5 announced the upcoming demolition of the Astor. Acquired on October 15, 2020 for 1,8 million US$ by Turkey-registered BMS Gemi Geri Donusum c/o International Maritime Services (Greece), the Astor left the English port of Tilbury on November 7 and was beached in Aliaga yards on November 23.
At Tilbury, the *Astor* was not deserted. Her crew had remained on board, some seafarers and other employees for over a year. The cruise ship was inspected and detained for various infringements to the Maritime Labour Convention (MLC), including unpaid wages.

**Atlantic** (ex-*Atlantis*, ex-*Helgoland*, ex-*First Lady*, ex-*Helgoland*). IMO 7214545. Length 76 m. Deflagged from Greece to Comoros for her last voyage. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 1972 in Bremen (Germany) by Rolandwerft; completed in Hamburg by Howaldtswerke-DW. Owned by Kissamos Cruises (Greece). On October 24, 2020, the *Atlantic* left Greece under tow of *Christos XL*, heading for Aliaga.

Owned by Bahamas Paradise Cruise Line (USA). Sold as is in the Bahamas to Machtrans Ship Management Pvt Ltd based in India. On November 12, She left Freeport (Bahamas) under tow, heading for Alang. 120 US$ per ton.


Auctioned as is in Mumbai (India), acquired by United Kingdom-based NKD Maritime Ltd and beached in Alang on November 28. 380 US$ per ton.
**Magellan** (ex-Grand Holiday, ex-Holiday). IMO 8217881. Length 222 m, 20,912 t. Deflagged from the Bahamas to Comoros for her last voyage nicknamed Mage. Classification society Registro Italiano Navale. Built in 1985 in Aalborg (Denmark) by Aalborg Vaerft. Owned by bankrupt Cruise and Maritime Voyages (CMV) and acquired in auction by the Greek shipowner Seajets for 3.8 million US$. Sold to Liberia-registered Wanda Services Ltd c/o Eaglepower Shipping Ltd (Cyprus) and beached in India on January 30, 2021. Considering the prices offered by the Indian yards in late 2020, Mage in Alang is valued at over 8 million US$.

![Magellan, downstream the Schelde, June 2015.](image1) © Marc Ottini

![Magellan, upstream Seine River, July 26, 2018.](image2) © Pascal Bredel

![Mage, ex-Magellan.](image3) © Faisal Mobh

**Marco Polo** (ex-Aleksandr Pushkin). IMO 6417097. Length 176 m, 14,561 t. Deflagged from the Bahamas to Tanzania for her last voyage. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 1965 in Wismar (Germany) by Mathias Thesen Werft. Detained from June 2020 onward in Avonmouth (United Kingdom). Owned by bankrupt Cruise and Maritime Voyages (CMV) and auctioned to an undisclosed buyer for 2.9 million US$.

![Marco Polo arriving at Honfleur (France), Seine River, September 10, 2012.](image4) © Erwan Guéguéniat

*Marco Polo*, on Seine River, heading for Rouen (France), April 24, 2010. © Pascal Bredel

*Marco Polo*, Cherbourg maritime terminal (France), June 2014. © Marc Ottini


*Metropolis* (ex-*Ming Fai Princess*, ex-*N. Kazantzakis*, ex-*Shiretoko Maru*). IMO 7215161. Length 154 m, 8,342 t. Deflagged from Jamaica to Saint Kitts & Nevis for her last voyage shortened to *Ropolis*. Classification society International Naval Surveys Bureau (See about International Naval Surveys Bureau, "Shipbreaking" # 59, p. 5). Built in 1972 in Shimizu (Japan) by Kanasashi. Owned by Delta Corp Pacific HK Ltd (Hong Kong, China). 5 detentions in Hong Kong in 2014, twice in 2016, then in 2019 and in 2020. Ex-Japanese ferry exported to Greece at the age of 17 years and retuned back to Asia. From 2007 onward, she has been operated as a casino-ship by Metropolis Cruise for 2 days/1 night cruises around Hong Kong. She could accommodate 515 passengers. Beached for demolition in India.

© metropolis-cruise

*Metropolis*, off Hong Kong in December 2018. © Marc Ottini
Ocean Dream (ex-Pacific Star, ex-Costa Tropicale, ex-Tropicale). IMO 7915096. Length 205 m, 17,848 t. Deflagged from Panama to Comoros for her last voyage shortened to Dream. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 1981 in Aalborg (Denmark) by Aalborg Vaerft. Detained in 2019 in Xiamen (China) and in January 2020 in Fremantle (Australia). Owned by Ocean Dream Shipping Inc (USA). Acquired by Blue Whale Maritime (India) and beached for demolition in Alang.


On November 18, 2020, Columbus left Tilbury (United Kingdom) bound for Piraeus. Her official status was changed to "to be broken up" on February 9, 2021. On February 22, she left Eleusis Bay heading for Umn Qasar (Oman) via Suez Canal. On the way, she became the Comoros-flagged Colus and was beached in Alang on March 31.
In December 2018, the *Funchal* was auctioned and acquired for 3.9 million US$ by Signature Living, a Liverpool-based hotel chain (United Kingdom) which intended to operate her for party cruises between the United Kingdom and Ibiza (Spain). In October 2019, the destination of the *Funchal* has changed, she would move to Liverpool to be operated as a floating hotel. The Covid-19 pandemic terminated the project. The SLG Group was bankrupt and the *Funchal* remained discarded and rusting in Lisbon. She was auctioned again on January 29, 2021. This time she was acquired for scrapping and is now waiting for the tug that will take her to Turkey or India.

*Starry Metropolis* (ex-*Neptune*, ex-*CT Neptune*, ex-*Olvia*, ex-*Kareliya*, ex-*Leonid Brezhnev*, ex-*Kareliya*). IMO 7359498. Length 156 m, 8,315 t. Jamaica flag. Classification society Russian Maritime Register of Shipping. Built in 1976 in Turku (Finland) by Wartsila for the Soviet Black Sea Shipping Company. Originally, she was operated alternatively as a ferry or a cruise ship. She was refitted in 1982 and became a pure cruise ship as *Leonid Brezhnev*. Her last owner was Hopewin Ship Management Co Ltd (Hong Kong, China). 5 detentions : in 2000 in Singapore, in 2002 in Auckland (New Zealand), in 2004 in Tilbury (United Kingdom) and in 2016 and 2020 in Hong Kong. Operated since 2004 as a casino-ship on night cruises off Hong Kong. Auctioned as is in Hong Kong (China) for demolition in India. 337 US$ per ton.
Ferry
2020 : October-November-December = 4
2021 : January-February-March = 5

October-November-December 2020

Evangelistas (ex-Magallanes, ex-Friesland, ex-Maersk Friesland, ex-Maersk Flanders, ex-Duke of Flanders, ex-Romira, ex-Admiral Atlantic). IMO 7627962. Ex Ro Ro reflitted in 2000 for the transport of passengers. Length 123 m, 4,258 t. Deflagged from Chile to Saint Kitts & Nevis for her last voyage shortened to Angelis. Classification society Lloyd's Register of Shipping, International Register of Shipping for her last voyage. Built in 1978 in Tokyo (Japan) by Ishikawajima. Owned by Navimag Ferries SA (Chile). For nearly 20 years, the Evangelistas has connected the fjords of Chilean Patagonia, from Puerto Montt to Chacabuco, Puerto Natales or Puerto Eden. Acquired by Indian-based Prayati Shipping prior to her departure for demolition in Alang. This 18,000 km-long transoceanic journey from southern Chile to Alang beach for an end-of-life ship built in 1978 underlines one more time the lack of shipbreaking yards in South America.

In August 2019, another Navimag ferry, the Puerto Eden, ex-Monte Cinto then owned by SNCM, had reached Alang nicknamed Den (see "Shipbreaking" # 56, p.1).

Maersk Flanders, Scheveningen (Netherlands), July 1993 © Pieter Inpyn
Evangelistas, Puerto Montt (Chile), May 2013. © Patagonia Ships

Nikolay Aksenenko. IMO 9711250. Length 68 m. Deflagged from Russia to Cameroon for her last voyage renamed Dalga. Classification society Russian River Register. She was a hybrid vessel. She was rebuilt in 2013 in Sevastopol (Ukraine) by Yuzhnyy from the hull of Thor Sydfyen (IMO 7707475) built in 1978 in Aarhus (Denmark) by Dannebrog Værft. The Nikolay Aksenenko then received a new IMO number. Owned by Anship Llc (Russia) which operated her between Kavkaz and Kerch in the eponymous strait.

Thor Sydfyen, Bøjden (Denmark), October 2010 © Lars Staal

On December 1, 2016, the Nikolay Aksenenko allided with the quay of Kavkaz port (Russia). Her hull suffered several cracks. The vessel was withdrawn from service for repairs. She did not resume sailing. She was finally towed and beached in Aliaga yards on November 3, 2020.

Nikolay Aksyonenko, Azov Sea, Kerch Strait, February 2017 © Pavel Emelyanov
Tian Ren (ex-Blue Zephyr). IMO 8902357. Length 186 m, 10,530 t. Deflagged from Panama to Niue for her last voyage shortened to T Ren. Classification society Korean Register of Shipping. Built in 1990 in Kawajiri (Japan) by Kanda Zosensho. Owned by Marine Asia Shipping Inc (South Korea). Detained in 2000 and 2008 in Incheon (South Korea). Acquired by Trinitas Ship Management Pvt Ltd based in India prior to her departure for demolition in Bangladesh.


January-February-March 2021

Madeleine (ex-Isle of Inishturk, ex-Isle of Inishmore, ex-Leinster). IMO 7915228. Length 122 m. Canadian flag. Classification society Lloyd's Register of Shipping. Built in 1981 in Cork (Ireland) by Verolme. Owned by Canada Govt Transport (Canada). Originally built for British & Irish Steam Packet Co (B+I Line) founded in 1836 by a group of Dublin business men including Arthur Guinness and John Jameson and acquired by the Irish State in 1965. Named Leinster, she linked Dublin and Liverpool until the route considered too hazardous was closed and she was switched to the shorter Dublin and Holyhead route. She was transferred to Irish Ferries, the company created after the privatization of B+I line in 1992. 

Leinster. © World Ship Society Photolibrary
In 1993, the *Leinster* was renamed *Isle of Inishmore*, a tautological name - "Inis" meaning isle in Irish language - and with no connection with the Rosslare-Pembroke route she was sailing between the Irish southern coast and the Welsh southern coast, far away from Galway Bay and the Aran Islands. In October 1995, she allided with the quay in Rosslare in bad weather and had to be repaired at Falmouth yard (United Kingdom); in the wake, she became the *Isle of Inishturk*, another tribute to an island of the Irish west coast. She sailed her last crossing for Irish Ferries on March 22, 1997 and was laid up for a short while in Le Havre (France) until her departure for Canada on June 7, 1997.

The ship was acquired by the Canadian government to be operated by CTMA (Coopérative de Transport Maritime), "Official carrier of the îles de la Madeleine since 1944". She was renamed *Madeleine* to provide a regular ferry service in the Saint Lawrence Gulf between Souris on Prince Edward Island and Cap-aux-Meules in the Îles de la Madeleine archipelago.

Thanks to a mild winter without ice, the *Madeleine* was able to carry out her crossings throughout the 2020-2021 season. She was laid up at Cap-aux-Meules on January 31, 2021. She will not resume her service. At 40 years old, she is doomed to be scrapped. She will be replaced by the *Madeleine 2*, due to arrive on March 23 at Cap-aux-Meules. The port needs to make space. On March 17, 2021, the *Madeleine* left her homeport and headed for Sydney, Nova Scotia, pending the result of Transport Canada's call for tenders for demolition. Finally, the *Madeleine* is to be dismantled by the Canadian company Marine Recycling Corp in its Sydney facility.

Santa Lucino (ex-Ferry Suou). IMO 9117363. Length 189 m, 10,518 t. Deflagged from South Korea to Comoros for her last voyage shortened to Lucino 1. Classification society Korean Register of Shipping. Built in 1996 in Kawajiri (Japan) by Kanda Zosensho. Ex Japanese ferry of Hankyu Ferry Co Ltd. She had a capacity of 810 passengers and 220 trailers, her service speed was 25.6 knots. The Ferry Suou was sold in 2015 to South Korean Sea World Express Ferry Co Ltd that operates a regular service between Mokpo city, south of the Korean Peninsula, and Jeju Island. She was replaced by the Queen Jenuvia in September 2020 and decommissioned. Acquired by Saint Kitts & Nevis-registered Maximus Shipping Ltd prior to her departure for demolition in Bangladesh.

Seatran Ferry 8 (ex-Daihatsu Maru No,8). IMO 8613671. Length 76 m, 1,401 t. Thai flag. Unknown classification society. Built in 1986 in Akitsu (Japan) by Taihei Kogyo. Owned by Seatran Ferry Co Ltd (Thailand). Acquired by P K Marine Construction (Thailand) and renamed PK Marine 2 prior to her departure for demolition in Bangladesh.

Xiang Xue Lan. IMO 9086904. Registered by the International Maritime Organisation as passenger/container ship. Length 150 m, 7,542 t. Deflagged from Panama to Comoros for her last voyage shortened to Xiang. Classification society Korean Register of Shipping. Built in 1996 in Wismar (Germany) by Mathias Thesen Werft. Owned by Yantai Zhong Han Ferry Co (China), subsidiary of the COSCO Group and operated between Incheon (South Korea) and Yantai (China). Detained in 2000 and 2013 in Incheon (South Korea). Sold for demolition in Bangladesh.
General cargo ship

General cargo carriers, or multipurpose freighter, transport products or waste in bags, crates, drums, cardboard boxes usually palletized or bare loads, rolling crafts and logs. Some can also transport containers as additional cargoes.

2020 : October November-December = 23
2021 : January-February-March = 22

45 demolitions, 5% of the global tonnage. Nine vessels are over 150 m long and represent half of the tonnage. The average age at the time of scrapping is 32 years.

21 vessels (47%) were classed by a second-ranking classification society not a member to IACS (International Association of Classification Societies). The percentage is 17% for all categories of ships scrapped in the period covering the last quarter of 2020 and the first quarter of 2021.

The detention rate of the category is 76%. 3 general cargo ships stand on the podium of sub-standard ships: the My Rose (17 detentions) scrapped in Turkey, the Mohamed-1 (16 detentions) scrapped in Pakistan and the Berka 45 (12 detentions) scrapped in Indonesia.

October-November-December 2020 :


Amal Neptune (ex-Myra, ex-Eltsen, ex-Michail Junior, ex-Able Winner, ex-Evangelia, ex-Maritsa, ex-Able Ensign, ex-Giga I, ex-Hanako, ex-Cargo Express, ex-Larix). IMO 8116843. Length 106 m, 2,062 t. Tanzanian flag. Classification society Bulgarski Koraben Registar. Built in 1981 in Imabari (Japan) by Higaki. Owned by Cedar Marine Services (Lebanon). 8 detentions: in 2002 in La Pallice (France), in 2013 in Iskenderun (Turkey), Kalilimenes (Greece) and Alanya (Turkey), in 2013 in Canakkale (Turkey), in 2016 in Antalya (Turkey), in 2017 in Odessa (Ukraine) and in 2019 in Burgas (Bulgaria). Sold for demolition in India.


Marsas, December 2007, Suez Canal. © Wolfgang Berthel
Amina H, Istanbul, June 2013. © Cavit Ege Tulça


FK Saray departing Constanta7, (Romania), March 9, 2015. © Sorin Titu

Aliaga, 7 January 2021. © Selim San


Ishtar, mouth of the Seine River (France), October 20, 2008. © Erwan Guéguénat


Nefryt, March 2018, Malta. © John Gilman


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PAC Acrux, Galveston Bay (USA), August 2014 © Vilmos Thomazy


Sarah F, passing off Canakkale (Turkey), October 2014. © Marc Ottini

December 17, 2020, Sarah F, Gadani plot 119. © Gadani Ship Breaking Yard

Span Asia 1 (ex-Jan D, ex-Maersk Canarias, ex-Dania, ex-Nedlloyd Daisy, ex-Dania, ex-Alcyone, ex-Contship Lugano, ex-Kastamonu, ex-Alcyone, ex-Kastamonu). IMO 8121032. Length 114 m, 3,228 t. Deflagged from the Philippines to Saint Kitts & Nevis for her last voyage shortened to Asia 1. Classification society Det Norske Veritas/Germanischer Lloyd then International Register of Shipping since October 2020. Built in 1982 in Neuenfelde (Germany) by JJ Sietas Schiffswerft. Owned by Philippine Span Asia Carrier (Philippines). 4 detentions: in 2000 and 2003 in Genova (Italy), and in 2006 in Naples (Italy) and Mersin (Turkey). Acquired by Machtrans Ship Management Pvt Ltd based in India prior to her departure for demolition. She left Manila (Philippines) on November 5, 2020, announced to be heading for India but was finally beached in Bangladesh on December 2.


Yuan Xin (ex-Austin Angol, ex-CCNI Angol, ex-Valdivia). IMO 9131230. Length 185 m, 11,845 t. Deflagged from Panama to Saint Kitts & Nevis for her last voyage shortened to Ing 1. Classification society Registro Italiano Navale. Built in 1998 in Szczecin (Poland) by Szczecinska Nowa Stocznia S.A. 4 detentions: in 2011 in Geelong (Australia), in 2013 in Bandar Abbas (Iran), in 2018 in Ningbo China) and in 2019 in Yantai (China). Owned by Hongyuan Marine Co Ltd (China). In January 2020, the Chinese company was sanctioned by the USA for carrying aboard the Hong Xun, another vessel of its fleet, metal scrap bought in Iran and bound for China. In March 2020, the shipowner sold the Yuan Xin to Ping Shun Shipping Co Ltd-Hong Kong. In November 2020, the Ping Shun 1 was acquired by British Virgin Islands-registered Scandi Navigation prior to her departure for demolition in India. 385 US$ per ton.

January-February-March 2021

Amur 2506 (ex-Volgo-Balt 254, ex-Amur-2506). IMO 8721325. Length 116 m, 1,998 t. Panamanian flag. Classification society Russian Maritime Register of Shipping. River and sea-gong ship built on the Danube River in 1985 in Komarno (Slovakia) by ZTS Yard. 44 Amur-type cargo ships or project 92-040 have been built by the Slovakian yard from 1984 to 1993. They were designed to carry coal, logs, general cargoes, containers and grain. Owned by Marshall Islands-registered Little Line Inc c/o ZCR Denizcilik Ticaret (Turkey). Detained in 2009 in Giresun (Turkey) and in 2020 in Yeysk (Russia). Sold for demolition in Turkey.

Baby Leen (ex-LTW Express, ex-Shelley Express, ex-Arctic Sea, ex-Jogaila, ex-Torm Senegal, ex-Alrai, ex-Zim Venezuela, ex-Okhotskoe). IMO 8912792. Length 98 m, 2,461 t. Panamanian flag. Classification society Dromon Bureau of Shipping. Built in 1991 in Gebze (Turkey) by Sedef Gemi Endustrisi. Owned by Panama-registered Seven Seas Maritime Ventures. 5 detentions in 2012 in Damietta (Egypt) and Las Palmas (Canary Islands, Spain), in 2017 in Constanta (Romania) and in 2020 in Trieste (Italy) and at Piraeus (Greece). Sold for demolition in India.

**Deniz S** (ex-Istra, ex-Hudson Reef, ex-Hudson River, ex-Song, ex-Hudsongracht, ex-Carliner). IMO 8103389. Length 95 m, 2,411 t. Deflagged from Tanzania to Sierra Leone in December 2020. Classification society Russian Maritime Register of Shipping. Built in 1982 in Shimizu (Japan) by Miho. Owned by Robinson Shipholding Co (Romania). 7 detentions: in 2000 in Taranto (Italy), in 2007 in Taranto again then in Cartagena (Spain), in 2012 in Chioggia (Italy) and Tenes (Algeria) and in February 2020 in Midia (Romania) and August 2020 in Burgas (Bulgaria). In July 2020, the Deniz S suffered a water ingress after departing Constanta (Romania). She had to be towed to Burgas. After an inspection was carried out, she was detained for 138 days. Grounds for detention include structural conditions, in particular corrosion and cracks. The Deniz S was allowed to leave for a single voyage towards a ship repair yard in Tuzla. On January 6, she left Burgas, was located anchored off Tuzla on January 8 and was finally beached in Aliaga shipbreaking yards. Posthumously, on January 14 she was banned from Paris MoU ports for failing to call at the indicated repair yard.

*Deniz S, July 2020. © Maritime Bulletin*  
*Aliaga. © Selim San*


*Zamoskvorechye, on Dvina River, Arkhangelsk Krai (Russia), September 2014. © Vitaly V*  
*Enigma, Aliaga, March 2021. © Selim San*

Fatima A (ex-Sea Royal, ex-Alyssa, ex-Sarma 1, ex-Vega, ex-Sea Fox, ex-Inka, ex-Taras, ex-Ikaria). IMO 7510676. Length 81 m, 1,097 t. Comoros flag. Classification society Dromon Bureau of Shipping. Built in 1976 in Neuenfelde (Germany) by JJ Sietas. Owned by Amir A Maritime Co Ltd Belize-registered. 8 detentions: in 2010 in Aliaga (Turkey), in 2015 in Damietta (Egypt), in 2016 in Kocaeli (Turkey), in 2017 in Constanta (Romania), Agigea (Romania) and in Kocaeli again, in 2018 in Tulcea (Romania) and in 2019 in Thessaloniki (Greece). Banned from European ports in May 2019 for three months. Sold for demolition in Pakistan.


**Inzhener Plavinskiy.** IMO 8603365. Length 152 m, 4,917 t. Russian flag. Classification society Russian Maritime Register of Shipping. Built in 1988 in Gdansk (Poland) by Gdanska Lenina yard. One of the 8 *Pavlin Vinigradov*-type log carrier or projet B352 built from 1986 to 1991. 8 other ships of the same design have been built in Malta. Lengthened in 2007 from 132 to 152 m. Owned by Northern Shipping Co (Russia). Sold for demolition in Turkey. 250 US$ per ton.

_Lake Buhi._ IMO 8109486. Length 94 m, 1,904 t. Filipino flag. Unknown classification society. Built in 1985 in Bauan (Philippines) by PNOC DY. Owned by DMC Construction Equipment (Philippines). Sold to Key West Shipping Line Corp (Philippines), she was beached for demolition in Bangladesh as *Mandalorian 2*.

_Lake Sampaloc._ IMO 8109503. Length 94 m, 1,929 t. Filipino flag. Unknown classification society. Built in 1987 in Bauan (Philippines) by PNOC DY. Owned by DMC Construction Equipment (Philippines). Revendu in Key West Shipping Line Corp (Philippines), she was beached for demolition in Bangladesh as *Mandalorian*.

*Liza (ex-Elizaveta, ex-Professor Voskresenskiy).* IMO 8721014. Length 124 m, 3,120 t. Russian flag. Classification society Russian Maritime Register of Shipping. Built in 1988 in Navashino (Nijni Novgorod oblast, Russia) by Navashinskiy Oka. *Dyakonov*-type vessel or projet 15881, ice-strengthened vessels designed for the navigation in Eastern Siberian and Laptev seas and the transport of logs, coal and packed or containerized cargoes. Detained in 2011 in Shanghai (China). Owned by VIS Co Ltd (Russia). Acquired by PESCO based in Hong Kong prior to her departure for demolition in Bangladesh. 400 US$ per ton.
Mohamed 1 (ex-M Star, ex-Al Shahin, ex-Lina-K, ex-Guajira, ex-Arriaga). IMO 8023412. Length 84 m, 961 t. Tanzanian flag. Unknown classification society. Built in 1981 in Guerrica (Spain) by Murueta. Owned by Sea Jewel Commercial Brokers (United Arab Emirates). Silver medalist of substandard ships with 16 detentions: in 1998 in Santa Cruz de Tenerife (Canary Islands, Spain), 2001 in A Coruna (Spain) and Las Palmas (Spain), 2002 in Bilbao (Spain) and Sevilla (Spain), 2003 in Almeria (Spain) then again in Santa Cruz de Tenerife and Las Palmas, 2005 and twice in 2006 in Santa Cruz de Tenerife again, 2008 in Las Palmas again, 2010 twice in Alexandria (Egypt) and 2011 in Volos (Greece) and Adabiya (Egypt). Sold for demolition in Pakistan.


general cargo ship / January-February-March 2021

Raouf H (ex-Cenk Sener, ex-Wima, ex-Conex), IMO 8325535. Length 106 m. Comoros flag. Classification society Polish Register of Shipping. Built in 1985 in Gebze (Turkey) by Sedef Gemi Endustrisi. Owned by Raouf Marine SA c/o Cedar Marine Services SAL (Lebanon). 4 detentions: in 2016 in Novorossiysk (Russia), in 2017 in Constanta (Romania) and in 2018 in Novorossiysk again then in Tuzla (Turkey). Raouf H arrived in Beirut from Mariupol (Ukraine), on August 4, 2020 at 12h11 to unload a cargo of wheat. She was docked at the end of the wharf hosting the grain silos and warehouse n°12. Raouf H was badly damaged by the warehouse blast later in the afternoon and was declared a total loss. On February 1, 2021, she left Beirut under tow of Hunter (IMO 9468372) bound for Aliaga shipbreaking yards.

Cenk Sener, Bosporus, 2011. © Marc Ottini

Span Asia 7 (ex-Astrid, ex-Vento di Tramontana, ex-Astrid, ex-Vento di Tramontana, ex-Fas Gemlik, ex-BBC Germany, ex-Fas Gemlik, ex-Cam Ayous Express, ex-Nedlloyd Tulip, ex-Ville d’Orient, ex-Kathe Husmann, ex-Baco! Vitoria). IMO 8405036. Length 116 m, 2,960 t. Deflagged from the Philippines to Saint Kitts & Nevis for her last voyage shortened to Asia 7. Classification society Registro Italiano Navale. Built in 1985 in Rendsburg (Germany) by Nobiskrug. Detained in 2002 in Genova (Italy). Owned by Philippine Span Asia Carrier (Philippines). Acquired by Machtrans Ship Management Pvt Ltd based in India prior to her departure for demolition in Bangladesh.

Cam Ayous Express, inbound Le Havre (France), October 11, 1995. © Pascal Bredel

Asia 7, Chattogram, January 2021. © Jonaed Hasan Ridoy


Star Grip, passing off Terneuzen (Netherlands), July 20, 1994. © Pascal Bredel

Star Grip, Aliaga. © Selim San

Sunny Sky (ex-Hua Shun, ex-Da Xin Hua Dong Shun, ex-Tong De Quan, ex-OOCL Ningbo, ex-Tong De Quan). IMO 9158795. Length 101 m, 2,316 t. Mongolian flag. Classification society Panama Shipping Registrar Inc. Built in 1998 in Rongcheng (China) by Huanghai SB Co. Owned by Seychelles-registered Benchmark Trading Co Ltd. Detained in 2015 in Hong Kong (China). Sold for demolition in Bangladesh.
The usurper

*Talent Ace* (ex-*Xin Sheng Hai*, ex-*Dongchin Shanghai*). IMO 9485617. Length 120 m. Togolese flag. Unknown classification society. Built in 2008 in Xiangshan County (China) by Zhejiang Donghong for the South Korean shipowner Dongchin Shipping Corp. In June 2017 the *Dongchin Shanghai* was acquired by a Chinese company, renamed *Xin Sheng Hai* and reflagged to Belize. According to United Nations observers, the ship was used in July-August 2017 to carry North Korean coal from Nampo to China and Vietnam. In December 2017, the *Xin Sheng Hai* was blacklisted for violating the United Nations sanctions against North Korea.

On January 18, 2018, the alleged general cargo ship *Talent Ace* docked at Gunsan port, South Korea. Her IMO number was 8793873, she flew the flag of Togo and has just been officially acquired by Singapore-registered Wynn East Import & Export c/o Wooheng Shipping Co Ltd (Hong Kong, China). From the ship's engine and generator serial numbers, South Korean inspectors identified the ship as the *Xin Sheng Hai*; the original IMO number 9485617 of the ship had been painted over. The so-called *Talent Ace* was seized. Like the tanker *Koti* seized at the same period for transshipping fuel on North Korean ships (see "Shipbreaking" # 61 p. 56-57), South Korean Authorities condemned the *Talent Ace* to be scrapped by a Mokpo yard. When she was seized in January 2018, 16 crewmen were on board; they came from Bangladesh (3), China (6) and Burma (7). The Bangladeshi seamen were repatriated in May 2018 though their wages had not been paid for months; the fate of the other crewmen is not known.

*Tzoanna VI* (ex-*Joanna VI*, ex-*Nyfell*, ex-*Nordfeld*). IMO 7517533. Length 84 m. Greek flag. Unknown classification society. Built in 1977 in Neuenfelde (Germany) by Sietas; lengthened in 1984 from 76 to 84 m. Owned by New Lines IV Shipping (Greece). Sold for demolition in Turkey.

Tzoanna VI, in Mokpo. © Vladimir Tonic

8793873, fake IMO number

Kefalos, Kos (Greece), August 2019 © Pat Rogerson

Aliaga, February 2021. © Selim San
Container ship

2020: October-November-December = 4
2021: January-February-March = 11

15 demolitions, 103,000 tons to recycle. The number of container ships to be scrapped is still decreasing. The flow almost stopped in the last quarter of 2020; 4 ships. The convoy of container ships scrapped in the last quarter of 2020 and first of 2021 would stretch along 2.4 km only compared to 5.3 km in the 3rd quarter and 5.5 km in the 2nd quarter 2020. They all had a capacity of less than 2500 teu. Altogether, they could carry 17,000 boxes, less than the ultra large container carriers able today to transport more than 23,000 boxes.

Scrapped container ships are smaller, they also are older. The age ranges from 20 to 49 years for the US container ship Lihue. The average age at the time of demolition is 28 years. The detention rate is 47%.

On 15 container ships, 11 were scrapped in the Indian subcontinent: Bangladesh (5), India (4) and Pakistan (2).

October-November-December 2020

Ganta Bhum. IMO 9110937. 1228 teu. Length 151 m, 6,232 t. Deflagged from Singapore to Saint Kitts & Nevis for her last voyage renamed Santa. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 1995 in Shimonoseki (Japan) by Mitsubishi. Owned by Regional Container Lines Ltd (Singapore). Announced sold in Spring 2020, her withdrawal was delayed by the Covid-19 pandemic, she was finally acquired in September 2020 by Nabeel Shipmanagement based in the United Arab Emirates prior to her departure for demolition. She was beached in Gadani on October 31.

MSF Lady Haloum (ex-Inga A, ex-Cs Star, ex-Thor Star, ex-Dania Star, ex-CEC Star, ex-P&O Nedlloyd Wellington, ex-Oss Kolkata, ex-Ratana Sopa, ex-Maersk San Jose, ex-Dole Colombia, ex-Ratana Sopa, ex-Merete). IMO 9020338. 1139 teu. Length 149 m, 5,177t. Panamanian flag. Classification society Nippon Kajji Kyokai. Built in 1993 in Frederikshavn (Denmark) by Orskov Christensens. Owned by Kappa International Maritime SA (Greece). Detained in 2007 in Le Havre (France). On October 27, the MSF Lady Halloun was anchored off Tripoli (Libya). Under high winds, she dragged her anchor and crashed on the breakwater. She was declared a total loss and towed to Aliaga on November 30.

January-February-March 2021


In December 2001, the *Therese Delmas* was acquired by Tuskegee Shipholding Company (USA). From 2002 onward, she has been operated by Red River Shipping Corp and chartered by the US Military Sealift Command as *A1C William H. Pitsenbarger*. Her crew was civilian but she was used for rapid deployment of equipment and ammunition; she was prepositioned in Diego Garcia, an atoll of the Chagos Archipelago in the Indian Ocean hosting a US navy base. Her 5 cranes allowed her to unload in poorly equipped ports. The *A1C William H. Pitsenbarger* was back to civilian operation in 2008 and was renamed *Black Eagle*. In Spring 2020, she was acquired by Prayati Shipping based in India. She was to be scrapped in India. Her departure was delayed by the Covid-19 pandemic, she was finally beached in Chattogram shortened to *K Eagle* on January 13, 2021.

**Dole Honduras.** IMO 8900323. Length 179 m, 8,426 t. Bahamian flag. Classification society Registro Italiano Navale. Built in 1991 in Ancona (Italy) by Fincantieri. Owned by Dole Food (USA). Detained in 2016 in Mobile (Alabama, USA). Sold for demolition in India. She left Wilmington le 18 mars. 471 US$ per ton including 6 auxiliary engines, a 28-ton propeller, a spare bow thruster and 491 reefer plugs. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention.

![Grand Midas](image1)


![Ji Hong](image2)

**Lihue** (ex-*President Hoover*, ex-*Thomas E. Cuffe*). IMO 7105471. 2305 teu. Length 241 m, 15,585 t. US flag. Classification society American Bureau of Shipping. Built in 1971 in Avondale (USA) by Avondale Shipyard for Pacific Far East Line as barge carrier. When the Pacific Far East Line went bankrupt, she was acquired by American President Line, converted to container ship and renamed *President Hoover*. Since 1996, she has been operated by Matson Navigation (USA). Detained in 2018 in Shanghai (China). Sold as is in Seattle (USA). 221 US$ per ton. Towed by the tug *Rachel* (IMO 7600378) for her last voyage towards Brownsville shipbreaking yards (Texas, USA) via Panama Canal.

![Lihue](image3)


**Nuka Arctica.** IMO 9100231. 782 teu. Length 119 m, 5,347 t. Danish flag. Classification society Lloyd’s Register of Shipping. Built in 1995 in Frederikshavn (Denmark) by Danyard. Owned by Royal Arctic Line (Groenland). Sold for demolition in Frederikshavn (Denmark) by Jatob ApS.

*Nuka Arctica, Nuuk (Greenland), August 2018 © Bergedorf*


*Salam Mewah, on Chaophraya River (Thailand), March 2020. © Trakul Pumsnoh*

**Sunny Bright (ex-Jin Hua, ex-Prudent, ex-Sky Fortune, ex-Union Sky).** IMO 9131010. 446 teu. Length 113 m, 2,392 t. Sierra Leone flag. Classification society New United International Marine Services Ltd. Built in 1997 in Busan (South Korea) by Dae Sun SB & E Co. Owned by Vast Ocean Global Ltd (Taiwan). 5 detentions: in 2005 in Shanghai (China), in 2010 in Haiphong (Vietnam), in 2016 in Hong Kong (China) and in Haiphong again and in 2018 in Hong Kong again. Sold for demolition in Bangladesh.

*Sky Fortune outbound Xingang port (China), June 10, 2016. © Marc Ottini*
Reef

Reef

October-November-December 2020

**Hornbay**. IMO 8802002. Length 154 m, 7,932 t. Deflagged from Liberia to Gabon for her last voyage renamed **Marine Bay**. Classification society Bureau Veritas. Built in 1990 in Pula (Croatia) by Uljanik. Owned by Horncliff Shipping Corp c/o Norbulk Shipping UK Ltd (United Kingdom). Sold for demolition in India.

![Hornbay, docked at Le Havre (France), October 22, 2008. © Pascal Bredel](image)

**Smolninskiy**. IMO 8847131. Ex-factory ship registered by IMO since 2007 as reefer Length 85 m, 1,854 t. Russian flag. Classification society Russian Maritime Register of Shipping. Built in 1990 in Klaipeda (Lituanie) by Baltiya. She was the last of the 27 **Moryana**-type factory-ships or project 12911 built by the Baltic yard between 1982 and 1990. They were fitted with two 435 m³/hour capacity 00 pumps and floodlights for industrial lamparo catching. Owned by Lodia LLC (Russia). Detained in 2014 in Dalian (China). Sold for demolition in India. 382 US$ per ton.

![Smolninskiy in the Sea of Okhotsk, August 2014. © Igor Savitsky](image)


![Green Tulip departing Brest (France), April 30, 1996. © Yvon Perchoc](image)
Factory ship

October-November-December 2020

_Dersu Uzala_ (ex-_Alphard_). IMO 8715118. Length 95 m, 2,886 t. Deflagged from Russian to Palau for her last voyage. Classification society Russian Maritime Register of Shipping. Built in 1991 in Gdansk (Poland) by Gdanska im. Lenina. 4 _Atria_-type factory ships or project B-671 were built by the Polish yard between 1989 and 1991. Owned by Sakhalin Leasing Fleet JSC (Russia). Sold in November 2020 to Plus Holdings Ltd (United Arab Emirates) prior to her departure for demolition in India.

_Dersu Uzala_, March 2003. Collection B.V. Lemachko

_Yantar-1_ (ex-_O Ryong No. 505_, ex-_Salvia_). IMO 7234193. Length 84 m, 1,664 t. Deflagged from Russia to Mongolia for her last voyage. Classification society Russian Maritime Register of Shipping. Built in 1972 in Ise (Japan) by Uchida Shipbuilding. Owned by Orion Co Ltd (Russia). Sold for demolition in India. 381 US$ per ton.

_Zashchitnyy_. IMO 8729626. Length 55 m, 806 t. Russian flag. Classification society Russian Maritime Register of Shipping. Built in 1989 in Kiev (Ukraine) by Leninskaya Kuznitsa; one of the 347 _Vasiliy Yakovenko_-type factory ships or project 502-EM built between 1971 and 2009 by the Ukrainian yard. Owned by Aleksandrovskiy Rybozavod Co (Russia). Broken up in Busan (South Korea) by OS Shipbuilding.

_Anchored in Busan (South Korea), March 2012 © Vladimir Tonic_
Ro Ro

Ro-Ro vessels load or unload through ramps or doors wheeled cargoes including trucks or trailers but also crates and loads transferred with trolleys and stored on a garage deck. Handling is said to be horizontal by opposition to traditional vertical handling using cranes or gantries. This type of vessel is known as Ro-Ro (Roll On/Roll Off).

2020: | October-November-December | = 2
2021 : | January-February-March | = 3

October-November-December 2020

*Ohkoh Maru*. IMO 9209544. Length 168 m, 6,900 t. Deflagged from Japan to Saint Kitts & Nevis for her last voyage. Shortened to *Ohko*. Classification society Nippon Kaiji Kyokai. Built in 1999 in Marugame (Japan) by Imabari Zosen. Owned by Satokuni Kisen (Japan). Acquired by Scandi Navigation Pte Ltd registered in the British Virgin Islands prior to her departure for demolition in Bangladesh.


January-February-March 2021

*Bali Sea* (ex-*Super Servant 5*, ex-*Dan Lifter*). IMO 8106068. Ex heavy load carrier converted in 1995 to semi submersible carrier and lengthened from 139 to 175 m then converted again in 2000 to train ferry. Length 175 m, 10,498 t. Singapore flag. Classification society Lloyd's Register of Shipping. Built in 1982 in Nagasaki (Japan) by Mitsubishi. Owned by Singapore-registered Gulf South Shipping Pte Ltd c/o Seabulk Fleet Management (USA). Detained in 2004, 2008, 2014 and 2016 in Mobile (Alabama, USA). Sold as is in Mobile (Alabama, USA). The *Bali Sea* left Mobile, heading for Malta. She is likely to be beached at Aliaga. 314 US$ per ton.

Late 1982, the heavy load carrier *Dan Lifter* is bringing back home the landing ship *Sir Tristram* damaged in the Falklands war. © Ken Griffiths

2011, the train-ferry *Bali Sea* loading railway wagons in Coatzacoalcos (Mexico). © FerroSur
KS Hermes 2 (ex-Tsuruga, ex-Hokuto 3), IMO 9151254. Length 168 m, 6,569 t. Deflagged from South Korea to Comoros for her last voyage shortened to Hermes III. Classification society Korean Register of Shipping. Built in 1997 in Marugame (Japan) by Imabari Zosen. Owned by Jeyang Logitech Co Ltd (South Korea). Sold for demolition in Bangladesh.

Trans-Asia 5 (ex-Batuan Bay 1, ex-Koyo, ex-Koyo Maru), IMO 8817083. Length 115 m, t. Filipino flag, Palau for her last voyage shortened to Asia 5, Unknown classification society. Built in 1989 in Iwagi (Japan) by Iwagi Zosen. Owned by Trans-Asia Shipping Lines Inc (Philippines). In December 2013, the Trans-Asia 5 operated on the Cebu - Cagayan de Oro service south in the Filipino Archipelago had been drifted for 10 hours with 577 passengers and 16 crewmembers onboard. She was eventually towed to a safe place, no fatality was reported. On February 5, 2021, the Trans-Asia 5 ran aground accidentally off Cabilao Island in Cebu Strait. Trans Asia Shipping Line does not assume any liability; the Filipino company has sold the ship to Gibraltar-registered Five Oceans Marine & Trading in mid-January 2021. The ship shortened to Asia 5 and deflagged was on her way to scrapping. Her official status was "to be broken up" since August 2020. The Asia 5 was intentionally beached in Chattogram on March 6.
Tanker
2020 : October-November-December = 55
2021 : January-February-March = 70

125 demolitions, 1.3 million tons, 39% of the global tonnage. The tanker category - chemical tanker, oil tanker, gas tanker - has significantly increased. It represented 9% of the tonnage in the second quarter of 2020, 14% in the third quarter, 31% in the fourth quarter and 47% in the first quarter of 2021. The average age at the time of scrapping is 29 years. The detention rate prior scrapping is 29% for oil and gas tankers, 45% for chemical tankers.

Bangladesh (36% of the tonnage of the category) and Pakistan (28%) are the favourite destinations of tankers. India welcomes half of chemical tankers whose prices per ton have reached up to 850 US$ in recent months (see TSM Polaris, p 78) due to their stainless steel tanks.

Oil tanker
2020 : October-November-December = 31
2021 : January-February-March = 46

Out of 77 tankers scrapped between October 2020 and March 2021, 49 are “small” units of less than 80,000 t deadweight and representing 20% of the tanker tonnage. 19 are between 80,000 and 200,000 tons. 9 are VLCCs over 200,000 tons. The vast majority of tankers, i.e. 80% of the tonnage, was beached in Indian subcontinent yards: Bangladesh (42% of the tonnage), Pakistan (25%) and India (18%).

October-November-December 2020


Jeddah (Saudi Arabia), November 2013. © T. Kanagasabapathy


Almada (ex-Europride, ex-Champion Pride). IMO 9157777. Double hull. Length 244 m, 17,002 t. Delflagged from Liberia to Comoros for her last voyage renamed Calma. Classification society Bureau Veritas. Built in 1998 in Geoje (South Korea) by Samsung. Owned by Eurotankers (Greece); sold to Baht Shipping Corp (United Arab Emirates) in July 2020 then to Blue Whale Maritime Pvt Ltd based in India prior to her departure for demolition in Pakistan.

Apollo Spirit (ex-Nordic Apollo, ex-Coastal Jade, ex-Jade Phoenix, ex-El Paso Cove Point). IMO 7390739. Length 284 m. Liberian flag. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 1983 in Avondale (USA) by Avondale Shipyard. Ordered as a gas carrier she was delivered as a combination carrier (OBO, Ore/Bulk/Oil). She was converted to an oil floating storage unit (FSO) in 1991 by Blohm + Voss shipyard in Hamburg (Germany). Owned by Altera Infrastructure Norway AS (Norway). Sold in early October 2020, she was beached in Turkey on December 21.

Apollo Spirit, Gdansk, August 2016. © macart.lv

Bering (ex-Bering Sea). IMO 9149225. Double hull. Length 182 m, 9,640 t. Liberian flag. Classification society Bureau Veritas. Built in 1998 in Split (Croatia) by Brodosplit. Owned by Liberia-registered Lacey Shipholding Co c/o Palermo SA (Greece). Detained in 2018 in Bandar Khomeini (Iran). She was one of the 4 ships accused in August 2020 to transport gasoline refined in Iran towards Venezuela thus violating the US embargo (see "Shipbreaking # 61", p. 59). The cargoes on board Pandi and Bella were seized and transshipped on other tankers off Oman, those of Bering and Luna off Cabo Verde. The Pandi was beached in Pakistan on July 31, 2020. The ex-Bering was renamed Alba in October 2020 and beached in Bangladesh on November 16. 387 US$ per ton.

![Bering Sea, July 2015, Vanino (Russia). © Andy Ru](image)


![Ragnhild Knutsen outbound Le Havre (France), August 1993, © Pascal Bredel](image)  
![Dynamic Producer, February 10, 2021, Rio de Janeiro (Brazil). © Edson de Lima Lucas](image)
FPSO Cidade do Rio de Janeiro (ex-Bright Jewel, ex-Tokyo Maru), IMO 8506684. Converted in FPSO in 2006 by le chantier Jurong de Singapore. Length 321 m, 46,412 t. Deflagged from the Bahamas to Comoros for her last voyage renamed Eldorado. Classification society American Bureau of Shipping. Built in 1986 in Nagasaki (Japan) by Mitsubishi. Owned by Petroleo Brasileiro S.A (Brazil). The FPSO Cidade do Rio de Janeiro has been operated on Espadarte oilfield in Campos basin, 130 km off the coast of Rio de Janeiro State until production stopped in July 2018. The FPSO remained idle on the spot, she was still containing a few hundreds tons of oil. On August 23, 2019, while technicians were disconnecting the FPSO from the wells, they noticed 5 cracks on the hull. Flights spotted an iridescent slick around the ship. The oil spill was dispersed by chemical means. In December 2019, the FPSO Cidade do Rio de Janeiro was towed to Espirito Santo naval yard. In 2020, she was acquired by Scope Maritime Pvt Ltd based in India prior to her departure under tow of Posh Falcon (IMO 9624586). She was beached in Alang on December 13, 2020 at Shree Ram Recycling Yard.


Kapitan Nizhnichenko (ex-Galve), IMO 7636640. Length 115 m, 3,918 t. Deflagged from Russia to Sierra Leone for her last voyage. Classification society Russian Maritime Register of Shipping. Built in 1980 in Rauma (Finland) by Rauma-Repola. Owned by Kapitan Nizhnichenko Co Ltd (Russia). Sold for demolition in Bangladesh.


Maisa. IMO 7801714. Double hull. Length 161 m, 6,073 t. Deflagged from Brazil to Gabon for her last voyage shortened to Masa. Classification society American Bureau of Shipping. Built in 1980 in Rio de Janeiro (Brazil) by Ishikawajima do Brasil. Owned by Petrobras (Brazil). Sold to BBN Shipmanagement Pvt Ltd based in India prior to her departure for demolition in Bangladesh.

Maran Gemini (ex-Gemini Voyager, ex-Richard H. Matzke). IMO 9174218. Double hull. Length 300 m, 40,711 t. Deflagged from Greece to successively the Marshall Islands in November 2020 then Comoros in December; simultaneously, she was shortened to Gemini then Gema. Classification society American Bureau of Shipping. Built in 1999 in Geoje (South Korea) by Samsung. Owned by Maran Tankers (Greece). Sold as is in Singapore for demolition in Bangladesh.

Medelin West (ex-Bunga Semarak). IMO 8818233. Length 143 m, 4,815 t. Deflagged from Indonesia to Palau for her last voyage shortened to Eli. Classification society Biro Klasifikasi Indonesia. Built in 1990 in Labuan (Malaysia) by Sabah SB. Owned by Waruna Nusa Sentana Pt (Indonesia). Acquired by Machtrans Ship Management Pvt Ltd based in India prior to her departure for demolition in Bangladesh. 385 US$ per ton.


Petroleum 115 (ex-Bull 115, ex-Seafait II, ex-Stavanger Solveig). IMO 9185279. Length 245 m, 19,648 t. Deflagged from Indonesia to Comoros for her last voyage renamed Peter P. Classification society American Bureau of Shipping. Built in 2000 in Dalian (China) by Dalian New SB HI Co. Owned by Banyu Laju Shipping PT (Indonesia). Detained in 2013 in Antwerp (Belgium). Sold as is in Labuan (Malaysia) for demolition in Bangladesh. 431 US$ per ton.
Project Link (ex-Martha Global, ex-Pacific Tourmaline, ex-Hightide). IMO 8717233. Double sides. Length 178 m, 9,200 t. Deflagged from Indonesia to Palau for her last voyage shortened to Jet. Classification society American Bureau of Shipping. Built in 1989 in Okpo (South Korea) by Daewoo. Owned by Waruna Nusasentana PT (Indonesia). Detained in 2002 in Cardiff (United Kingdom). Acquired by Best Oasis (India) prior to her departure for demolition in Bangladesh. 387 US$ per ton.

![Project Link, Balikpapan (Indonesia), April 2016. © Husni](image)


![Lito, in Kaohsiung (Taiwan), April 2011. © LO, Shih-Hau](image)


![October 22, 2020, Ruby Express, plot 6-7, Gadani. © Gadani Ship Breaking Yard](image)


The Pakistan shipbreaking yards have been waiting for the VLCC Samho Crown since the summer of 2014 (see "Shipbreaking # 37", p. 24). She was abandoned in Dubai in January 2011, the crewmen left on board were repatriated in August 2011. The ship's South Korean owner Samho Shipping, declared bankrupt in 2012, sold two younger VLCCs, Samho Jasper (built in 2009) and Samho Dream (built in 2002), for further trading. The Samho Crown was auctioned in May 2014 for 21 million, or US$ 490 per ton, to a Pakistani yard. She was not allowed to leave Dubai though: following a complaint from a Swiss bank for non-payment of a loan, she remained anchored off Sharjah (United Arab Emirates). She was renamed Zoya 1 and flagged to Panama in 2015. A new crew was recruited, also abandoned and repatriated in June 2018.

Call for help, April 2018. © Zoya crew / The National
In December 2019, the future of the Zoya 1 ex-Samho Crown seemed to be clearing up. She has been reportedly sold and must be prepared for her last voyage towards an Indian shipbreaking yard. She was renamed Sam and deflagged to Palau. On January 29, 2020, the United Arab Emirates Maritime Authority received a distress call from Sam. A fire had broken out and a tank exploded. 12 seamen and 44 workers were on board to carry out some maintenance works and tank cleaning prior departure. 5 were killed by the explosion. The survivors, of which 8 were injured, were salvaged and brought to shore.

Sam remained discarded off Sharjah. On November 29, 2020, she was finally beached in Gadani. she was sold as is at 365 US$ per ton.


Target (ex-Royal 8, ex-Royal, ex-Trapper, ex-United Trapper, ex-Thuntank 8). IMO 8321321. Length 143 m, 3,671 t. Tanzanian flag. Classification society Bureau Veritas. Built in 1985 in Falkenberg (Sweden) by Falkenbergs Varv. Owned by Al Ryadh Ship Management (United Arab Emirates). Sold for demolition in Pakistan. 390 US$ per ton

United Trapper, inbound Le Havre (France), April 1993. © Pascal Bredel

The Fuel 7 (ex-Tirta Samudra VIII, ex-Yufukujin Maru). IMO 8804804. Length 72 m, 695 t. Tuvalu flag from October 2007 to June 2016. She was fraudulently registered in the Fiji in 2016, and has then been flying the Mongolian flag in January 2019 and finally the Togolese flag for her last voyage. Unknown classification society. Built in 1988 in Hakata (Japan) by Hakata Zosen. Owned since 2019 by Liberia-registered JR Marine & Shipping Ltd. Acquired by Craft Metal Trading FZE (United Arab Emirates) prior to her departure for demolition in Pakistan


True Colors (ex-Sichem Padua, ex-Sichem Anne, ex-Anne Sif). IMO 9050400. Double hull. Length 117 m, 3,552 t. Deflagged from Liberia to Saint Kitts & Nevis for her last voyage shortened to Colors. Classification society Registro Italiano Navale. Built in 1993 in Ulsan (South Korea) by Hyundai. Owned by GSPL DMCC (United Arab Emirates). Detained in 2004 in Quebec City (Canada) and in 2011 in Kiel (Germany). Sold as is in the United Arab Emirates for demolition in India.

January-February-March 2021


Agros (ex-Jag Prachi, ex-Torm Lily). IMO 9110482. Length 182 m, 8,955 t. Bahamian flag. Classification society Lloyd's Register of Shipping. Built in 1996 in Dalian (China) by Dalian Shipyards. Owned by World Tankers Management (Singapore). Sold for demolition in Bangladesh. The Agros has killed (see p. 5).


**Ataulfo Alves (ex-Mega Eagle, ex-Front Archer)**. IMO 9183271. Length 269 m, 22,110 t. Deflagged from the Bahamas to Cameroon for her last voyage shortened to *Ataul*. Classification society American Bureau of Shipping. Built in 2000 in Ulsan (South Korea) by Hyundai HI. Owned by Petrobras - Petróleo Brasileiro S.A (Brazil). Sold in February 2021 as is in Indonesia to Ikasto Ventures Inc registered in the Marshall Islands. The destination of demolition is to date unknown. 430 US$ per ton.


**Berge Helene (ex-Picardie, ex-Esso Picardie)**. IMO 7360083. Converted to FPSO in 2002. Storage capacity 1.6 million barrels. Length 349 m, 47,887 t. Singapore flag. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 1976 in Saint-Nazaire (France) by Chantiers de l'Atlantique. Owned by BW Offshore (Singapore). Sold as is in Singapore for demolition in India. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention. She was powerless since her conversion and had to be towed to Alang. She was beached at Priya Blue Industries yard.

Chesapeake (ex-Hess Voyager). IMO 6420056. Length 222 m, 12,773 t. USA flag. Classification society American Bureau of Shipping. Built in 1964 in Sparrows Point (USA) by Bethlehem Steel Co for Hess Shipping Corp. She left commercial trading in 1987, when she was commissioned under number AOT-5086 in the US National Defense Reserve Fleet (NDRF), whose vessels may be activated in case of a civilian or military emergency. Owned by the US MARAD (USA). She has been decommissioned since 2009 in Beaumont naval base (Texas). Sold for scrapping, she should head for Brownsville recycling yards, also in Texas.


Distinction 01 (ex-Angel No. 10, ex-Kyoto, ex-Dignity, ex-Minas Libra), IMO 9040455. Length 182 m, 8,227 t. Deflagged from Panama to Comoros for her last voyage shortened to Disco 1. Classification society International Register of Shipping. Built in 1992 in Marugame (Japan) by Imabari Zosen. Owned by United Shipping Management Ltd (Taiwan). Detained in 2010 in Haikou (China). Sold for demolition in Bangladesh.

Distinction 01, at Kaohsiung (Taiwan), February 2021. © Ya Ray Yang


January 2021, Soho arriving in Gadani plot 64. © Gadani Ship Breaking Yard


**Euroforce** (ex-Shin Ei, ex-Shinsei Maru). IMO 9251585. Length 243 m, 16,501 t. Liberian flag. Classification society Bureau Veritas. Built in 2002 in Tsu (Japan) by Nippon Kokan. Owned by Eurotankers (Greece). In the summer of 2020, the Euroforce was used to transshipped the oil cargoes confiscated from the Greek tankers Pandi, Bella, Bering and Luna (see “Shipbreaking” # 61, p. 59, and p. 2 in this issue) by order of the US Department of Justice. For the US Authorities, the Iranian oil is bound for Venezuela but Sohar Fuel and Oman Fuel, owners of the cargoes claim they were bound for Peru and Colombia. The dispute is ongoing. The Euroforce is not allowed to unload and has to remain anchored off Texas for a number of weeks. Sold in November 2020 to Muhit Maritime FZE (United Arab Emirates) and renamed Nabiin. She was beached in Bangladesh.

**Fateyevo**. IMO 8423222. Length 77 m, 1,060 t. Russian flag. Classification society Russian Maritime Register of Shipping. Built in 1985 in Varna (Bulgaria) by Ivan Dimitrov yard. One of the 50 Eridan-type ship or project 610, a series of ice-strengthened oil tankers used for sea and port bunkering; some of them have been converted to vegetable oil, molasse or water tanker. Owned by Transnet Co Ltd (Russia). Sold for demolition, she left Vladivostok (Russia) on March 18, 2021, bound for Chattogram. 445 US$ per ton.

![Fateyevo](image)  
*Fateyevo, April 8, 2019, Vladivostok. © Sergei Skriabin*

**FPSO Layang** (ex-Deep Producer 1, ex-Laurita, ex-Nordic Laurita, ex-Nordic Challenger, ex-Houston Accord). IMO 8000616. Converted to shuttle tanker in 1992 then to FPSO in 2009. Length 244 m, 14,315 t. Malaysian flag. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 1981 in Numakuma (Japan) by Tsuneishi. Owned by Floatech L Ltd (Malaysia). Detained in 1998 in Rotterdam (Netherlands). She was operated on Layang oil field off Sarawak (Malaysia). According to her owner, she was to be refitted at Dubai Drydocks World yard. As a result of a dispute with the yard claiming for 6.2 million US$, she was seized and auctioned as is. 350 US$ per ton. The destination of demolition is to date unknown.

![FPSO Layang](image)  
The FPSO Deep Producer 1, Port Rashid (United Arab Emirates), October 2011. © Capt Turboboss


Marquessa (ex-CS Zephyr, ex-C. S. Stealth). IMO 9308819. Length 244 m, 17,977 t. Liberian flag. Classification society Bureau Veritas. Built in 2006 in Shanghai (China) by Shanghai Waigaoqiao. Owned by Liberia-registered Al Giorgis Oil Trading Ltd c/o Universal Tanker Management Ltd (Greece). Detained in 2019 in Port Arthur (Texas, USA) and in Rotterdam (Netherlands). On December 8, 2020, the Marquessa was sailing on ballast from Laizhou (China) to Singapore. A fire burst out in the engine room. The tanker was then 16 nautical miles east off Taiwanese Orchid Island. Part of the crew was evacuated by a coastguard vessel while the other remained on board waiting for a salvage tug to tow the Marquessa to Manila (Philippines). The tanker was declared a total loss and sold as is. 320 US$ per ton. She was beached in Chattogram, shortened to Mar.
**Merlion M** (ex-Hero I, ex-Emilie Maersk), IMO 9179610. Double hull. Converted to floating storage (FSO) in 2014. Length 333 m, 43,308 t. Deflagged from Cook Islands to Palau for her last voyage shortened to Lion. Classification society Lloyds Register of Shipping. Built in 1999 in Ulsan (South Korea) by Hyundai HL. Owned by Sentek Marine and Trading (Singapore). Acquired as is in Malaysia by BBN Shipmanagement Pvt Ltd based in India. Beached for demolition in Pakistan. 427 US$ per ton.

Merlion M, anchored off Tanjung Pelepas (Malaysia), April 2018. © Jerzy Nowak

**Miya Satu** (ex-Hai Soon 12, ex-Hai Soon XII, ex-Hosei Maru). IMO 9078751. Length 102 m, 1,999 t. Malaysian flag. Classification society Nippon Kaiji Kyokai. Built in 1993 in Hakata (Japan) by Murakami Hide. Owned by Sea Elite Sdn Bhd (Malaysia). In May 2016, the Hai Soon 12 had left Singapore to carry out high seas bunkering to fishing vessels. She was hijacked in the Java Sea by pirates who intended to steal and transfer the oil cargo. The Hai Soon 12 and her crew were freed by the Indonesian Navy. Sold for demolition in Bangladesh.

Miya Satu, anchored off Tanjung Pelepas (Malaysia), April 2018. © Jerzy Nowak

**Nara**. IMO 7801752. Length 161 m, 5,985 t. Brazilian flag. Classification society American Bureau of Shipping. Built in 1982 in Rio de Janeiro (Brazil) by Ishikawajima do Brasil. Owned by Transpetro (Brazil). Sold as is in Brazil. 337 US$ per ton. The destination of demolition is to date unknown.

Nara, March 1, 2012
Guanabara Bay, Rio de Janeiro (Brazil). © Edson de Lima Lucas

**Nilza**. IMO 7801726. Length 161 m, 5,994 t. Brazilian flag. Classification society American Bureau of Shipping. Built in 1981 in Rio de Janeiro (Brazil) by Ishikawajima do Brasil. Owned by Transpetro (Brazil). Sold as is in Brazil. 336 US$ per ton. The destination of demolition is to date unknown.

Nilza, July 15, 2017
Guanabara Bay, Rio de Janeiro (Brazil). © Edson de Lima Lucas

Perintis (ex-Hitra, ex-Rebecca, ex-Marine Reunion, ex-Esso Spain). IMO 7925819. Tanker. Length 245 m, 24,201 t. Deflagged from Malaysia to Palau in February 2020. Classification society American Bureau of Shipping. Ordered to the Taiwanese shipyards China Shipbuilding Corp in Kaohsiung, the tanker suffered a fire on July 2nd, 1982; 15 workers got killed. Originally built as the Liberian Esso Spain for the Monrovia-based Esso Tankers Inc, this ship was acquired before completion and after the accident by the American company Marine Transport Lines, New York-based, which had her renamed Marine Reunion under the Liberian flag. She was chartered bareboat from the day of her commissioning in 1984 until 1987 to Société Maritime Shell, the French maritime subsidiary of the Shell Group, without renaming or reflagging but operated by a French crew. She became the Liberian Rebecca (Caribbean Tankers Corporation, New York-based ship management) in 1987, the Norwegian Hitra (J.Ludwig Mowinckels Rederi, based in Bergen) in 1990, and Perintis in 1998. Her deadweight was 94,236 tonnes. She was converted in 1999 by Malaysia Shipyard & Engineering and used as a floating storage in the Malong Anding / Sotong Anding oil fields (MASA) off Malaysia; her storage capacity was 640,000 barrels (100,000 t). Owned by Sabah International Petroleum (Malaysia).

She was decommissioned and laid up in Labuan (Malaysia) in 2014. In February 2020, she was sold at 320 US$ per ton to a mysterious Saint Kitts & Nevis-registered Linus Maritime Inc, shortened to Erin and Palau-flagged. She was to be scrapped in Bangladesh. Her departure was delayed by the Covid-19 pandemic. The sale was cancelled. Finally, the Erin was beached in Pakistan on January 28, 2021.

Perisai Kamelia (ex-Lewek Arunothai, ex-Lewek FPSO 1, ex-Kitty Knutsen, ex-Norrisia, ex-Gerina). IMO 7719155. Converted to shuttle tanker in 1985 then in FPSO in 2008; her engines were then removed. Length 264 m, 34,000 t. Malaysian flag. Unknown classification society. Built in 1980 in Uddevalla (Sweden) by Uddevallavarvet. Owned by Emas Offshore Construction & Production (Malaysia). Since 2012, and until she was decommissioned in May 2017, she was operated on the North Malay Basin oilfield. Sold as is in Johore for demolition in Bangladesh. 415 US$ per ton.
Petrojarl Banff (ex-Ramform Banff). IMO 9184330 Length 120 m. Isle of Man flag. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 1997 in Ulsan (South Korea) by Hyundai. Owned by Teekay Shipping Ltd, a British subsidiary of Teekay Corporation (Norway). The operator of the Banff and Kyle oil and gas field, 200 km off Aberdeen, informed early 2020 it would cease production. After 21 years of service in the North Sea, the Petrojarl Banff was towed and decommissioned in Kishorn port, Scotland, in September 2020. Teekay said its ship will be broken up according to the European regulation in a EU-approved yard. Indeed, in January 2021, the contract for the demolition of the Petrojarl Banff was awarded to M.A.R.S. yard, located in in Frederikshavn (Denmark), a EU-approved yard.

Petrojarl Banff arriving at Kishorn, September 2020. © Kishorn Port Ltd


March 2017, Optimus, Kiel Canal. © Lammert Melk


Saint Nicholas. IMO 9229362. Length 244 m. Double hull. Deflagged from Malta to Djibouti for her last voyage renamed Saint Nicholai. Classification society Lloyd's Register of Shipping. Built in 2002 in Samho (South Korea) by Samho HI. Owned by Resort Navigation Inc (Greece). Acquired in January 2021 by Peridot Ship Management (India). Considered "sold for scrapping" by her Classification society in January 2021. Her official status is still "in service". She was last spotted in Fujairah (United Arab Emirates).

Sinbad 1786, Helsingborg (Sweden), August 2010. © allan_flood_comhem

Sala 1, March 2021, plot 88, Gadani. © Gadani Ship Breaking Yard


Sea Princess (ex-Flegra, ex-Agia Theodora, ex-Ocean Onyx, ex-Tong Sheng, ex-Mostfar, ex-Witty, ex-You Yi 24). IMO 8607634. Used as a bitumen tanker since 2006. Length 101 m, 3,027 t. Deflagged from Panama to Cook Islands in May 2020, her new lastest flag is unkown. Classification society Bureau Veritas. Built in 1993 in Braila (Romania) by Braila SN. Owned by Global Tankers Pvt Ltd (India). 7 detentions: in 2000 in Haiphong (Vietnam), in 2003 in Nakhodka (Russia), in 2004 in Osaka (Japan), in 2009 in Gibraltar (United Kingdom) and Mohammeda (Morocco), in 2017 in Bandar Khomeini (Iran) and in 2020 in Mumbai (India). On January 28, 2021, a young Indian seamen, Bhupendra, 23 years old, committed suicide; he was found hanging in the engine room. He had been on board for 13 months, because of the "stay at ship" Covid-19 measures imposed to crewmen. The manning agency responsible for the young man's recruitment seems to be bankrupt. It does not respond to the desperate calls of the family. The Sea Princess had just left Sharjah bound for the Indian shipbreaking yards. She was beached in Alang on March 12.

Flegra, in Kiato (Greece), February 2012. © Athanasiou Yiannis

March 2021, the Sea Princess, beaching in Alang. © Faisal Mobh


Chemical tanker

2020 : October-November-December = 12
2021 : January-February-March = 18

October-November-December 2020


Crystal Amethyst, passing Walsoorden heading for Antwerp (Belgium), June 6, 2000. © Pascal BreDEL


Bastiaan Broere, upbound for Terneuzen on May 14, 2004. © Marc Ottini

Alahan, callint at Valletta shortly after renaming in October 2011. © Marc Ottini


Donaustern, unloading in Le Havre (France), SHMPP Pier, June 17, 2008. © Pascal BreDEL


Copernicus, outbound Le Havre (France), October 25, 2008. © Pascal Bredel

Copernicus, undergoing demolition in Grenaa (Denmark). © Leif Hansen


August 2007, Eastern Dragon, Kanmon Strait. © Ivan Meshkov

November 2020, shipbreaking at Pal Pal yard in Busan (South Korea). © Vladimir Tonic
Gulf Adventure (ex-Breezy Navigator, ex-Sichem Pandora, ex-Sichem Malene, ex-Malene Sif). IMO 9050412. Length 117 m, 3,552 t. Deflagged from Panama to Saint Kitts & Nevis for her last voyage shortened to Ulf. Classification society Registro Italiano Navale. Built in 1994 in Ulsan (South Korea) by Hyundai. Owned by Tankers Ocean Shipmanagement (EAU). Detained in 2008 in Montreal (Canada) for defective steering gear. Acquired as is in Khor Fakkan (United Arab Emirates) by Machtrans Ship Management Pvt Ltd based in India prior to her departure for demolition in India. 390 US$ per ton. On January 5, 2006, her collision as Sichem Pandora with the French fishing boat Klein Familie resulted in 5 fatalities. (See The END. Hit and Run, p. 120). She has been trading under the same name until 2011.

Sichem Pandora, Kiel Canal (Germany), January 2010. © Gluggligloer


Torquato in Montoir (France) Yara terminal, February 8, 2012. © Erwan Guéguéniat


Taihua Spirit, Kaohsiung (Taiwan), February 16, 2020. © Ya Ray Yang
**Chemical Tankers**


**Costina (ex-Asilah, ex-Suprina, ex-Sicchem Mediterranean, ex-Kilchem Mediterranean, ex-Pacific Rica, ex-Tomoe 6).** IMO 8405701. Length 115 m, 2,696 t. Comoros flag. Classification society Phoenix Register of Shipping (about Phoenix Register of Shipping, see "Shipbreaking" #59, p. 5). Built in 1984 in Imabari (Japan) by Asakawa. Owned by Costalina General Trading FZC (United Arab Emirates). Detained in 2000 in Vancouver (Canada). On April 22, 2017, 6 nautical miles off the Somali coast, pirates tried to board the Costina but fled before the arrival of the Galicia, a Spanish Navy vessel, part of the EU Navfor Atalante operation. Sold for demolition in India.

**Count (ex-SB Count, ex-Bum Woo).** IMO 9134488. Length 115 m, 3,306 t. Deflagged from Palau to Saint Kitts & Nevis for her last voyage shortened to Cont. Classification society Maritime Bureau of Africa since June 2020, previously Korean Register of Shipping. Built in 1997 in Busan (South Korea) by Daedong Shipbuilding Co. Owned by Ken Fong Shipping (Hong Kong, China). Acquired as is in Singapore by Prayati Shipping Pvt Ltd based in India. She was beached in Chittagong (ex Chittagong) on March 15. 395 US$ per ton.


**Formosa Eight.** IMO 9110640. Length 175 m, 7,337 t. Taiwanese flag. Classification society American Bureau of Shipping. Built in 1996 in Onishi (Japan) by Shin Kurushima. Owned by Formosa Plastics Marine Corp (Taiwan). Detained in 2010 in Houston (Texas, USA). Sold as is in Kaohsiung (Taiwan) for demolition in Bangladesh.

**Golden Nori.** IMO 9151137. Length 117 m, 3,188 t. Panamanian flag. Classification society Nippon Kaiji Kyokai. Built in 1997 in Fukuoka (Japan) by Fukuoka Zosen. Owned by KSIM Co Ltd (South Korea). On October 22, 2020, the *Golden Nori* was seized by order of Singapore High Court upon request of a creditor. She was sold as is in Singapore for demolition in the Indian subcontinent. 392 US$ per ton.


**Irini I (ex-Pequod, ex-Port Isabelle, ex-Chios).** IMO 8011304. Double hull. Length 178 m, 8,965 t. Panamanian flag. Classification society Russian Maritime Register of Shipping. Built in 1982 in Nagasaki (Japan) by Mitsubishi. Owned by Panama-registered Silver Sails Maritime Inc c/o World Carrier Corp (Greece). Detained in 2004 in Rotterdam (Netherlands) and in 2007 in Mersin (Turkey). Sold for demolition in Bangladesh. 445 US$ per ton.

**Nereus (ex-Crystal East, ex-Crystal Ambra, ex-Euro Ambra, ex-Isola Ambra, ex-Euro Ambra, ex-Isola Ambra)**, OMI 9160308. Length 110 m, 2,940 t. Deflagged from Panama to Palau for her last voyage. Classification society Russian Maritime Register of Shipping. Built in 1998 in Aarhus (Denmark) by Aarhus Flydedok. In July 2017, the Russian-flagged *Crystal East* was seized in Dubai upon request of Gazprombank. Her owner Nakhodka Portbunker was bankrupt and owed the bank 14 million US$. At the end of October 2017, the crew of 7 Russian seafarers still on board ran out of food; they were finally repatriated in November 2017. Thanks to the assistance of the SUR (Seafarers' Union of Russia), the seafarers eventually received their due wages in June 2019. Replacement crews came one after another on board the *Crystal East*, surviving in precarious conditions. In June 2019, the vessel was allegedly sold, she became the Panama-flagged *Nereus*. A crew of 14 Sri Lankan seamen was recruited but the *Nereus* did not leave the United Arab Emirates. In January 2020, the abandonment of the *Nereus* was notified to the International Labor Organization. The seafarers were repatriated and paid in December 2020. Acquired in January 2021 by Scandi Navigation Pte Ltd registered in the British Virgin Islands prior to her departure under tow for demolition. she was beached in Alang on January 27.

![Crystal East, Nakhodka Bay (Russia), May 2014. © Roderik](image)


![PVT Sea Lion, San Lorenzo (Argentina), March 11, 2009. © Berlag A](image)

**Sam Purpose (ex-Tapti, ex-Hambisa)**. IMO 9118056. Double hull. Length 183 m, 10,950 t. Unknown flag since 2017, Gabon for her last voyage shortened to Sam. Classification society Lloyd's Register of Shipping. Built in 1997 in Szczecin (Poland) by Szczecinska. Owned by Singapore-registered Sam Purpose AS NTS Shipping Pte Ltd c/o Vega Offshore Management AS (Norway). The *Sam Purpose* was initially arrested in Lagos (Nigeria) in October 2016 upon request of creditors of the ship's owner. Another dispute between the charterer and the owner later cancelled the ship's departure. The *Sam Purpose* was finally auctioned as is in Nigeria. 255 US$ per ton. She arrived under tow in Alang and was beached on March 21, 2021.

![Sam Purpose, San Lorenzo (Argentina), March 11, 2009. © Berlag A](image)
According to their Classification society Nippon Kaiji Kyokai, the two chemical tankers owned by Samudera Shipping based in Jakarta (Indonesia) have been sold for demolition. They may be scrapped by a local yard. They were last spotted in Indonesian waters.


_Sinar Bukom, July 2016, Batu Ampar (Indonesia). © Vladimir Knyaz_  
_Sinar Johor, Balikpapan (Indonesia), December 2017. © Husni_


_Medkem Two docked at Le Havre (France), April 3, 2016. © Marc Ottini_
Gas carrier

2020: October-November-December = 12
2021: January-February-March = 5

October-November-December 2020


As LNG Finima in Brest (France), December 12, 2009. © Erwan Guéguénéiat


July 6, 2015, upstream the Schede, heading for Antwerp (Belgium). © Pascal Bredel


Gas Indonesia, Balikpapan (Indonesia), November 2014. © Husni
The clearance sale at Petrobras continues. In the absence of a steady shipbreaking activity in Brazil, the ships are exported to the Indian subcontinent and India in particular (see also in the oil tanker section the FPSO Cidade do Rio de Janeiro p. 53, Maisa p. 54, Ataulfo Alves p. 62, Nara and Nilza p. 67).

Gurupa, 28 August 2020 and Gurupi, 21 October 2020
In Guanabara Bay, Rio de Janeiro (Brazil) renamed Gurup and Guru prior to her departure for Alang. © Edson de Lima Lucas

Gurupa. IMO 8506438. Length 134 m, 5,064 t. Deflagged from Brazil to Gabon for her last voyage shortened to Guru. Classification society Lloyd's Register of Shipping. Built in 1987 in Papenburg (Germany) by Jos L Meyer Werft. Owned by Petroleo Brasileiro S.A (Brazil). Sold for demolition in India. 420 US$ per ton.


Gurupi, the day before her launching in Papenburg (Germany), on March 20, 1987, and her launching, the last side oiled slideway launching at Meyer Werft, on March 21. © Erwan Guéguéniat
**Jisan Gas (ex-Gas Prunus, ex-Victoria Lily).** IMO 9020479. Length 99 m, 2,078 t. South Korean flag. Classification society Korean Register of Shipping. Built in 1992 in Hakata (Japan) by Murakami Hide. Owned by SJ Tanker Co Ltd (South Korea). Sold as is in Busan (South Korea) for demolition in Bangladesh. 428 US$ per ton.

**Namhae Gas.** IMO 9006693. Length 110 m, 2,744 t. Deflagged from South Korea to Niue for her last voyage shortened to Namhae. Classification society Korean Register of Shipping. Built in 1991 in Hachinohe (Japan) by Kitanihon. Owned by Sangji Shipping Co Lt (South Korea). Acquired as is in Yeosu (South Korea) by Trinitas Ship Management based in India prior to her departure for demolition in Bangladesh. 275 US$ per ton.


Senshu Maru. IMO 8014473. Length 283 m, 30,296 t. Panamanian flag. Classification society Nippon Kaiji Kyokai. Built in 1984 in Chiba (Japan) by Mitsui. Owned by Mitsui OSK Lines (Japan). Sold for demolition in India. 523 US$ per ton. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention by Nippon Kaiji Kyokai.


Youngsan Gas (ex-Izumi Maru No. 2). IMO 9005168. Length 72 m, 1,084 t. South Korean flag. Classification society Korean Register of Shipping. Built in 1990 in Kochi (Japan) by Shin Yamamoto. Owned by Youngsan Marine Co Ltd (South Korea). Scrapped in Busan (South Korea).
Gas carrier / January-February-March 2021

**January-February-March 2021**


*Red Dragon*, unloading LPG at Le Havre (France), November 23,1993. © *Pascal Bredel*


**Combination carrier**

Combination carriers or OBO (Ore Bulk Oil) transport wet or dry bulk cargoes. OBOs have to meet the requirements of both bulk carriers and tankers in terms of physical resistance of the walls and equipment (pumps, valves, pipes, etc.).

**January-February-March 2021**

*Arctic*. IMO 7517507. Ex bulker converted in 1985. Length 220 m, 12,987 t. Canadian flag. Classification society Lloyd's Register of Shipping. Built in 1978 in St Catherines (Canada) by Port Weller Dry Dock. She was converted to Ore Bulk Oil carrier and lengthened from 210 to 221 m by the same yard. Her ice-strengthened hull allowed her to sail all year round on her own in the Canadian Arctic. Owned by Fednav (Canada). She was the oldest ship of the Canadian company that pioneered Arctic navigation since the 1950s. She carried ore and oil from the Great North. After the closure of the Polaris and Nanisivik mines in Nunavut, she was repositioned to carry nickel ore mainly from the Raglan mine in northern Quebec or occasionally from the Voisey's Bay mine in Labrador. The ore concentrate is trucked to the port of Deception Bay, then transported on the *Arctic* to Quebec City and then transferred by train to Ontario for smelting. The mattes are returned by train to Quebec City and shipped to Norway for refining. In 2021, the Fednav fleet welcomed the *Arvik I*. The *Arctic* was decommissioned and left Quebec City (Canada) on March 29 under her own power bound for Aliaga yards.
Bulker

Bulkers carry non-liquid cargoes in bulk: grain, coal, ore such as iron or bauxite ore. Medium-size bulk carriers are often equipped with cranes that allow them to service poorly equipped secondary ports.

2020 : October-November-December = 30
2021 : January-February-March = 41

Over 1.1 million tons, 34% of the tonnage. Bulk carriers are down to 2nd place behind tankers. The threat from ex-VLCC (Very Large Crude Carrier) converted to VLOC (Very Large Ore Carrier) revealed by the Stellar Daisy drama is about to be withdrawn. “Shipbreaking” # 60 p. 6 (The VLOCs’ ex VLCCs Flop) had listed 35 ex-VLCCs converted to VLOCs still in service on January 1, 2020. After a number of them were beached in the first 3 quarters of 2020, there were still 14 left. They are in some way called at the shipbreaking yards for structural deficiencies, as the Brazilian mining conglomerate Vale no longer uses them. 8 were scrapped in the 4th quarter of 2020 (Berge Kibo, Berge Lhotse, Sino Glory, Stellar Ocean, Stellar Liberty, Stellar Magic, Stellar Neptune, Wugang Atlantic), 4 in the 1st quarter of 2021 (Sino Trader, Sinocarrier, Stellar Pioneer, Stellar Topaz). The 12 VLOCs to be scrapped (see p. 102) weigh more than 500,000 t of metal, i.e., half the tonnage of the category; 9 are expected in Bangladesh, 2 in Pakistan and 1 in India. Cumulative sales have brought in 210 million US$ for shipowners and middlemen. The Berge Fuji and Berge Kangchenjunga, owned by the Singaporean Berge Bulk, still survive; they are limited to bauxite traffic between Guinea and China.

Bangladesh (66%) and Pakistan (18%) share most of the end-of-life bulkers. Average age: 27 years. 54% of the bulk carriers scrapped have been detained in port during their trading life.

October-November-December 2020


ABK Trader, December 16, Gadani, plot 129. © Gadani Ship Breaking Yard


Arybbas, February 2016, Gibraltar. © Gibfran 46
In September 2019, the *Arybbas* was seized in Djibouti for unpaid bills. The 24 Filipino and Greek crewmembers were reported abandoned to the International Labour Organisation (ILO). A dozen of Filipinos were repatriated November 2019, two Greeks in April 2020. The ship must be auctioned upon request of the insurance company in charge of paying part of the due wages. In October 2020, nine Filipino sailors were still on board. Djibouti allows crew changes but opposes abandonment of ships. The *Arybbas* left-over crew was held hostage and finally recovered freedom in late November 2020. The *Arybbas* has been sold for demolition and finally leaves Djibouti bound for Gadani yards. She was beached on December 17. The *Ptolemeos*, with the same shipowner, was beached the following day. (see p. 89).


*Best Leader (ex-Amber Halo)*. IMO 9111929. Length 190 m, 6,000 t. Panamanian flag. Classification society Nippon Kaiji Kyokai. Built in 1995 in Oshima (Japan) by Oshima Shipbuilding. Owned by Panama-registered Best Trader Maritime SA c/o Oryx Shipping Ltd (Greece). She was beached in Pakistan on November 19.

*Crown Victory (ex-Borak 1, ex-Grand View)*. IMO 9077252. Length 190 m, 8,572 t. Bangladeshi flag. Classification society Bureau Veritas. Built in 1994 in Okpo (South Korea) by Daewoo. Owned by MI Cement Factory Ltd (Bangladesh). Sold for demolition in Bangladesh.

*Gdynia (ex-Sun Arrow, ex-Sun P, ex-Anangel Sun, ex-Voreda)*. IMO 7929970. Length 225 m, 12,960 t. Mexican flag. Classification society Bureau Veritas. Built in 1981 in Imari (Japan) by Namura. Owned by Servicios Mexicanos (Mexico). 5 detentions: in 2000 in Hamburg (Germany), in 2007 in Cape Canaveral (USA), Woods Hole (USA) and Aulds Cove (Canada) and in 2008 in Philadelphia (USA). Sold as is in Singapore for demolition in India. 357 US$ per ton. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention.

Germ Spring, Vladivostok (Russia), July 2019. © Sergei Skriabin

Globulus. IMO 9134191. Woodchip carrier. Length 200 m, 10,641 t. Panamanian flag. Classification society Nippon Kaiji Kyokai. Built in 1995 in Marugame (Japan) by Imabari Zosen. Owned by Saint Kitts & Nevis-registered Niletta Marine Inc. Detained in 2015 in Portland (Australia), in 2017 in Rizhao (China) and Esperance (Australia). Sold for demolition in India. 365 US$ per ton. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention.

Globulus June 2015, Portland (Victoria, Australia). © Bruce Colyer

Grande Solaris. IMO 9254769. Length 289 m, 21,093 t. Deflagged from Japan to Liberia in September 2020. Classification society Nippon Kaiji Kyokai. Built in 2003 in Tadotsu (Japan) by Tsuneishi. Owned by Panama-registered Himalia Norte c/o Asahi Shipping Co Ltd (Japan). Sold for demolition in India. 411 US$ per ton. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention by Nippon Kaiji Kyokai.

Great Sunrise. IMO 9165322. Length 280 m, 21,100 t. Deflagged from Japan to Panama in February 2020. Classification society Nippon Kaiji Kyokai. Built in 1999 in Nagasaki (Japan) by Mitsubishi. Owned by Asahi Shipping Co Ltd (Japan). Detained in 2018 in Port Hedland (Western Australia, Australia). Sold for demolition in India. 407 US$ per ton including 400 t of bunkers. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention.

Isa Lucky, Bontang, East Borneo, June 9, 2019. © Rangga

Jin Da Ling (ex-Clipper Labrador, ex-Pactimber). IMO 9170664. Length 169 m, 7,289 t. Deflagged from Panama to Palau for her last voyage renamed Qing. Classification society China Classification Society. Built in 1998 in Huludao (China) by Liaoning Bohai. Owned by COSCO Shiping (China). Acquired by Liberia-registered Anika Ventures Ltd prior to her departure for demolition in Bangladesh. 370 US$ per ton.


May 2015, Cape Brazilia, Lisbon (Portugal). © Pedro Amaral


**Ptolemeos (ex-Azure Sky, ex-Shipping-Land 6, ex-VOC Iris, ex-Grand Iris).** IMO 9104081. Length 186 m, 7,500 t. Liberian flag. Classification society Korean Register of Shipping. Built in 1995 in Tadotsu (Japan) by Hashihama Zosen. Owned by Titan Marine Ltd Liberia-registered c/o Probulk Shipping & Trading SA (Greece). 3 detentions: in 2002 in Yantai (China), in 2015 in Tianjin (China) and in 2018 in Bandar Khomeini (Iran). Seized for unpaid bills and sold as is in Djibouti. She was allegedly sold in 2019 at 290 US$ per ton. No payment was actually made. The *Ptolemeos* was sold again in May 2020 and was beached in Gadani on December 18 2020, the day after the *Arrybas* her companion in misfortune in Djibouti (see p 86).

**Salarium (ex-Nanticoke).** IMO 7902233. Self unloading bulker. Length 222 m. Deflagged from Canada to Saint Kitts & Nevis for her last voyage shortened to *Sal*. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 1980 in Collingwood (Canada) by Collingwood SB Co for CSL, Canada Steamship Line. During her maiden-year of service, she took part to the first transshipment of coal to an ocean-going ship while at sea. In 1997, when the Hibernia oil platform was established off Newfoundland, she delivered along with two other CSL vessels, namely the *Atlantic Erié* and *Atlantic Huron*, the 411,000 t of materials used for ballasting the Gravity Base Structure (GBS,) on the ocean floor.
April 2009 was a turn in the *Nanticoke*'s trading life: she was chartered by Société Québécoise d'Exploitation Minière in replacement of the *Saunière* owned by Algoma Central Corp (IMO 7028489) but 39 years of age. Fittingly, she was renamed *Salarium*. Indeed, she was deployed to carry salt from the Îles de la Madeleine in the St. Lawrence Gulf to Quebec ports along the lower St. Lawrence River, to the Great Lakes and to the North American East coast. Salt transport has been since then most of her duty though she was occasionally used to transport coal and ores. The *Salarium* delivered her last cargo of salt from Bécancour (Québec) to Oshawa (Ontario) in December 2019 and entered winter lay-up in Toronto. She had been moored at the quay of the dying ones in Montreal since April 2020.

In Autumn 2020, she was acquired by Hong Kong-registered Star Matrix Ltd. On October 27, 2020, the Saint Kitts & Nevis-flagged *Sal* left Canada under tow of the *Thor I* (IMO 8401963) bound for Aliaga where she ended up trapped in a yard packed with cruise ships, FPSOs and offshore platforms.


*Skippers Y* (ex-*Island Skipper*). IMO 8312095. Length 178 m, 6,500 t. Sierra Leone flag. Classification society Dromon Bureau of Shipping. Built in 1984 in Maizuru (Japan) by Hitachi. Owned by Shippers Ship-Trade Ltd (Greece). Detained in 2006 in Bunbury (Australia) and in 2019 in Ravenna (Italy). Sold for demolition in Pakistan.


January-February-March 2021


September 2020, Welland Canal. © Wayne Huggins

January 2020, International Marine Salvage yard. © Bill Jr Salton


*March 2014, Alpha Era, Ijmuiden (Netherlands). © Erwin Willemse*


**B Atlantic (ex-Costas, ex-Markos N, ex-Ming Jade, ex- Ming Yu, ex-Ming Jade).** IMO 8106721. Length 186 m, t. Classification society pendant son exploitation Lloyd's Register of Shipping. Built in 1983 in Osaka (Japan) by Osaka Zosenko. Detained in 2003 in Port Hedland (Western Australia, Australia) and in 2004 in Yeosu (South Korea).

The *B Atlantic* career suddenly stopped on August 12, 2007 at Palmarejo coal terminal on lake Maracaibo (Venezuela). She has loaded 33,600 t of coal bound for Italy. She was flying the flag of Cayman Islands and was owned by Madeira-registered Atlas Navios Navegacao Lda c/o Sea Quest Shipmanagement (Italy). Divers of the anti drug unit and of the Venezuela national searched the bulkers and found out 103 cocaine packages totalling 128 kg, attached on the bow. The *B Atlantic* was seized, the master Volodymyr Ustymenko and the chief officer Yuriy Datchenko, both Ukrainian nationals, were arrested and sentenced to 9 years in prison. They returned to Ukraine in December 2010 but were again sentenced by Ukrainian Supreme Court and imprisoned. The *B Atlantic* remained discarded. 11 years after the seizure, the Venezuelan authorities decided to sell her. She was acquired for demolition by the Colombian steel producer Gerdau Diaco. In March 2018, she was towed over 650 km up to Baranquilla (Colombia). She was anchored on the seafront. Over time, she became a tourist attraction.

*Baranquilla, Gran Malecon, February 2019. © El Heraldo*
On March 8, 2021, she was moved for the very last time to Transnaval yard upstream Magdalena River to be scrapped.

**Barbara** (ex-Theotokos, ex-Aliacmon River, ex-Glorious Future). IMO 9066760. Length 181 m, 8,973 t. Liberian flag. Classification society Nippon Kaiji Kyokai. Built in 1994 in Chita (Japan) by Ishikawajima-Harima. Sold in January 2021 by her German owner Minship Shipmanagement Gmbh and renamed **Susi** for her last voyage. Her destination of demolition is to date unknown.

**Berni HK** (ex-Berni, ex-Bernhard Oldendorff, ex-Yeoman Burn). IMO 8900529. Vraquier auto-déchargeur. Length 245 m, 13,450 t. Panamanian flag. Classification society Bureau Veritas. Built in 1991 in Okpo (South Korea) by Daewoo. Owned by Fujian Marine (Hong Kong, China). Detained in 2018 in Norfolk (Virginia, USA) and in 2019 in Hong Kong (China). Sold for demolition in Bangladesh. 478 US$ per ton.


Katina (ex-Major Basil). IMO 7410852. Length 173 m, 7,489 t. Deflagged from Saint Vincent & the Grenadines to Palau for her last voyage. Classification society Lloyd's Register of Shipping. Built in 1980 in Niteroi (Brazil) by CCN Maua. 4 detentions: in 1999 in Quebec (Canada), in 2002 in Algeciras (Spain) and in 2006 in Burgas (Bulgaria) and in Norfolk (Virginia, USA). Owned until 2011 by Brodarstvo Doo (Croatia). She was allegedly sold for demolition in Alang (see "Shipbreaking " # 25, p. 27), She was not allowed to leave due to an unknown dispute and had remained discarded since July 2011 off Hoddeidah (Yemen). In August 2016, the container ship MSC Elsa struck her at low speed while leaving her anchorage. Acquired by Paddington Ship Management based in the United Arab Emirates prior to her departure for demolition in Pakistan.


DS Commander, outbound Lorient (France), July 28, 2009. © Marc Ottini

Peene Ore (ex-Paradise N, ex-Peene Ore). IMO 9149794. Length 332 m, 37,538 t. Deflagged from Liberia to Saint Kitts & Nevis for her last voyage renamled Merchant. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 1997 in Okpo (South Korea) by Daewoo. Owned by Laeisz Schifffahrts Gmbh & Co (Germany). Acquired by Seaswan Shipping Services based in India prior to her departure for demolition in Bangladesh. 472 US$ per ton.

Peene Ore, Hamburg (Germany), June 2002. © Arki Wagner

Power Loong (ex-Torm Herdis, ex-Santa Teresa, ex-Navios Mariner). IMO 9047051. Length 225 m, 9,702 t. Panamanian flag. Classification society Bureau Veritas. Built in 1992 in Numakuma (Japan) by Tsuneishi. Owned by Joint Fortune Shipping (Hong Kong, China). 6 detentions: in 2004 in Gladstone (Queensland, Australia) in 2009 in Hay Point (Queensland, Australia) and Zoushan (China), in 2011 in Geraldton (Western Australia, Australia), in 2016 in Samcheok (South Korea) and in 2020 in Sohar (Oman). Sold for demolition in Pakistan. 440 US$ per ton.

Power Loong, Vancouver (Canada). © Steven Fritz

Power Loong, plot 13-14, Gadani. © Gadani Ship Breaking Yard
Pravik (ex-Rauli N, ex-Idefix Bulker, ex-Ocean Premier, ex-Asteriks, ex-Spring Venture) IMO 9116149.

Refined (ex-Happy Venture, ex-Flinders Island, ex-Happy Venture) IMO 9153707. Length 175 m, 7,353 t. Panamanian flag. Classification society Registro Italiano Navale. Built in 1996 in Shanghai (China) by Hudong. Sold by her Maltese owner Sephora Shipping Ltd in February 2020 to British Virgin Islands-registered Refined Shipping Co Ltd c/o Feng Sea Shipping (Singapore). 5 detentions: in 2000 in La Spezia (Italy), in 2009 in Geraldton (Australia), in 2012 in Bunbury (Australia) and in 2018 in Novorossiysk (Russia) and Gdansk (Poland). Sold for demolition in Bangladesh.


Shanghai Carrier (ex-Front Birch, ex-Birch). IMO 8915407. Ex tanker converted in 2008 by Chengxi Shipyard Co Ltd. Length 267 m, 19,524 t. Deflagged from Panama to Comoros for her last voyage shortened to Shanghai. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 1991 in Okpo (South Korea) by Daewoo. Owned by Sinokor Merchant Marine Co Ltd (South Korea). Acquired by Liberia-registered Gaia Shipping Ltd in January 2021. She was beached in Chattogram.

**Texas Enterprise** (ex-Mary Ann Hudson, ex-Cynthia Fagan, ex-Teco Trader, ex-Kansas Trader, ex-Pride of Texas). IMO 7821154. Length 186 m, 7,646 t. USA flag. Classification society American Bureau of Shipping. Built in 1981 in Orange (USA) by Levingston. Owned by United Ocean Services Inc (USA). Sold for demolition in India. 415 US$ per ton as is in Djibouti. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention.


Daria on the Seine River (France), July 10, 2014. © Erwan Guéguéniat

Winfred (ex-Zhong He 2, ex-Sea Napier, ex-TPC Napier, ex-Galini S, ex-Red Stag, ex-Sea Ace). IMO 9060235. Length 170 m, 6,310 t. Panamanian flag. Classification society Polish Register of Shipping. Built in 1993 in Kawajiri (Japan) by Kanda Zosensho. Owned by Feng Sea Shipping (Singapore). 3 detentions: in 2002 in Busan (South Korea), in 2010 in Qinhuangdao (China) and in 2011 in Bunbury (Western Australia, Australia). Sold for demolition in Bangladesh.

Zhong He 2, Keelung (Taiwan), February 2015. © Chun Hsi


City Of Dubrovnik, Montoir (France), February 10, 2009. © Erwan Guéguéniat
The VLOCs' block

2020 : October-November-December = 8
2021 : January-February-March = 4

October-November-December 2020

*Berge Kibo* (ex-BW Kibo, ex-Sala). IMO 9036442. Converted in 2008. Length 328 m, 37,363 t. Deflagged from the Isle of Man to Saint Kitts & Nevis for her last voyage shortened to *Kibo*. Classification society Lloyd's Register of Shipping, International Register of Shipping depuis November 2020. Built in 1993 in Okpo (South Korea) by Daewoo. Owned by Berge Bulk Maritime Pte Ltd (Singapore). She was one of the ex-VLCCs converted to VLOCs laid-up in Labuan (Malaysia) (see "Shipbreaking" # 60" pp. 5-6). Acquired as is in October 2020 by British Virgin Islands-registered Silver United Ltd c/o Machtrans Ship Management Pvt Ltd (India). She was beached in Pakistan on December 16, 2020. 376 US$ per ton.

*Kibo*, plot 113. © Shahid Ayub


*Berge Lhotse*, Sohar port, Vale terminal, March 2014. © Rik van Marle


**Wugang Atlantic** (ex-*Atlantic Jewel*, ex-*C. Trust*, ex-*C. Achiever*, ex-*Yukong Achiver*). IMO 9085352. Converted in 2008. Length 328 m, 41,554 t. Liberian flag. Classification society Lloyd's Register of Shipping. Built in 1995 in Okpo (South Korea) by Daewoo. Owned by Zodiac Maritime Ltd (United Kingdom). Sold for demolition in India. 385 US$ per ton. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention.


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**January-February-March 2021**

**Sinocarrier**

April 2017. © Ilton Ferreira

April 2021, plot 6, Gadani. © Gadani Ship Breaking Yard

Stellar Pioneer (ex-Ore Paqueta, ex-Polaris Star). IMO 9048110. Converted in 2010. Length 332 m, 46,048 t. Marshall Islands flag. Classification society Korean Register of Shipping. Built in 1994 in Ulsan (South Korea) by Hyundai HI. Owned by Polaris Shipping (South Korea). Sold as is in Labuan (Malaysia) for demolition in Bangladesh. 431 US$ per ton.

Stellar Topaz (ex-Ore Itaguai, ex-Markab Star). IMO 9048122. Length 332 m, 45,865 t. Converted in 2011. Deflagged from the Marshall Islands to Comoros for her last voyage shortened to Topaz 1. Classification society Korean Register of Shipping. Built in 1994 in Ulsan (South Korea) by Hyundai HI. Owned by Polaris Shipping (South Korea). Acquired as is in Labuan (Malaysia) by Scope Maritime Pvt Ltd based in India prior to her departure for demolition in Bangladesh. 431 US$ per ton.
Cement carrier

January-February-March 2021


Car carrier

2020 : October-November-December = 5
2021 : January-February-March = 3

October-November-December 2020


Continental Highway. IMO 9238519. Length 200 m, 15,274 t. Panamanian flag. Classification society Nippon Kaiji Kyokai. Built in 2001 in Marugame (Japan) by Imabari Zosen. Owned by K Line Ro Ro Bulk Ship Management Co Ltd (Japan). Detained in 2020 in Long Beach (USA). Sold for demolition in India. 345 US$ per ton including 350 t of bunkers. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention.

Independence II (ex-Titus). IMO 9070448. Length 199 m, 18,864 t. Deflagged from the USA to Togo for her last voyage. Classification society Lloyd's Register of Shipping. Built in 1994 in Okpo (South Korea) by Daewoo. Detained in 2016 in Bremerhaven (Germany). Owned by American Roll-on-Roll-off Carrier (USA). Sold to Liberia-registered Dido Steel Corp SA for demolition in Turkey.

Nippon Highway. IMO 9205964. Length 180 m, 14,146 t. Panamanian flag. Classification society Nippon Kaiji Kyokai. Built in 1999 in Tadotsu (Japan) by Hashihama Zosen. Owned by K Line RoRo Bulk Ship Management Co (Japan). Sold for demolition in India. 356 US$ per ton. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention.

Rockies Highway. IMO 9325427. Length 183 m, 12,961 t. Panamanian flag. Classification society Nippon Kaiji Kyokai. Built in 2006 in Setoda (Japan) by Naikai. Owned by Eternity Maritime Shipping SA Panama-registered c/o Fukunaga Kaiun KK (Japan). Sold for demolition in India. 370 US$ per ton. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention.
**January-February-March 2021**


*Otello*, Le Havre (France), 17 August 1993    © Pascal Bredel  *Integrity* sur l’Escault, 1er September 2013.

*Jigawa* (ex-Feedercrew, ex-Hallstavik). IMO 7208106. Length 88 m, 1,525 t. Moldovan flag. Classification society Mediterranean Shipping Register. Built in 1972 in Emden (Germany) by Schulte & Bruns. Owned by Vival Marine (Ukraine). 11 detentions in 2006 in Dublin (Ireland) and twice in Eemshaven (Germany), in 2009 in Koper (Slovenia) and Izmir (Turkey), in 2012 in Leghorn (Italy) and in Zonguldak (Turkey), in 2014 in Savona (Italy) and twice in Genova (Italy) and in 2017 again in Zonguldak. Banned from European ports in August 2016. One of the 106 substandard ships targeted by "Shipbreaking" # 59, p. 45). She was beached for demolition in Aliaga next to the Marshall-Islands flagged offshore platform Polar Pioneer build in 1985 for drilling operations in Arctic conditions and harsh environment, successively operated in the North Sea and the Barents Sea, towed to Alaska for exploration drillings eventually suspended by Shell, then to Cameroon, and finally to Turkey to be scrapped.


Drilling ship

October-November-December 2020

*Noble Bully I* (ex-*Bully I*). IMO 9538828. Length 187 m, 26,735 t. Deflagged from Liberia to Saint Kitts & Nevis for her last voyage shortened to *Bully I*. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 2011 in Shanghai (China) by Shanghai Shipyard. Owned by Noble Drilling (USA). Operated by Shell in the Gulf of Mexico. Laid-up in Curacao since April 2017. Acquired as is by BBN Shipmanagement Pvt Ltd based in Mumbai for demolition in India. 252 US$ per ton. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention.

*Noble Bully II* (ex-*Bully II*). IMO 9538830. Length 187 m, 27,147 t. Deflagged from Liberia to Saint Kitts & Nevis for her last voyage shortened to *Bully II*. Classification society Det Norske Veritas/Germanischer Lloyd, Eastern Marine Service since January 2021. Built in 2011 in Shanghai (China) by Shanghai Shipyard. Owned by Noble Drilling (USA). Acquired as is in Duqm (Oman) by Best Oasis Ltd (India) for demolition in India. 327 US$ per ton. The terms of sale include a clause requiring the selected shipbreaking yard to have been delivered a statement of compliance with the standards of the Hong Kong Convention.

January-February-March 2021

*Titanium Explorer*. IMO 9506590. Length 238 m. Bahamian flag. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 2012 in Okpo (South Korea) by Daewoo. Owned by Vantage Drilling International (USA). Acquired as is in South Africa in March 2021 by Best Oasis based in India. The destination of demolition is to date unknown. Drilling gear and machinery have to be removed prior departure. In 2012, when she was delivered, *Titanium Explorer* with her drilling superstructures and equipment had been acquired for 750 million US$.
Offshore Supply Vessel

2020: October-November-December = 14
2021: January-February-March = 12

The clean-up continues in the offshore service industry. The big players are getting rid of idle vessels to reduce debt. Together, Tidewater Marine and Bourbon Offshore have sold 13 of the 26 supply vessels scrapped in the last six months. The average age at the time of scrapping is 12 years for Tidewater vessels, 19 years for Bourbon vessels and 30 years for the others. All Bourbon Offshore and Tidewater Marine vessels were deflagged prior to being beached.

Bourbon Offshore (France).

After being taken over by Société Phocéenne de Participations owned by six creditor banks, the Bourbon group has been forced to undergo a severe shrinkage. The recovery plan requires it to drop from more than 500 vessels in 2017 to less than 350 by the end of 2021. Supernumerary ships will have to be sold to other shipowners or to scrapyards. The Bourbon Crown, Bourbon Viking, Luiana, Nzinga and Ulysse have been sold for demolition to Hermes Maritime Services Pvt Ltd based in India. Financiers should not be counted on to care about the environment and working conditions. Cash is the priority. The five ships were beached in Alang.

October-November-December 2020

Luiana. IMO 9239745. Length 67 m, 1,567 t. Deflagged from Saint Vincent & the Grenadines to Panama in August 2020. Classification society Det Norske Veritas/Germanischer Lloyd. Built in 2001 in Frederikshavn (Denmark) by Orskov Christensens. In particular operated off Angola. The Luiana was laid-up in Limbe (Cameroon). She was the first of the 5 convicts to be beached in Alang on December 5, 2020.

Ulysse. IMO 9175652. Length 70 m, 2,481 t. Deflagged from France to Saint Kitts & Nevis for her last voyage. Classification society Bureau Veritas. Built in 1998 in Concarneau (France) by Piriou Frères. She left Takoradi (Ghana) and was beached in Alang.

Ulysse, off Angola. © VesselTracker

January-February-March 2021


**Nzinga.** IMO 9245639. Length 72 m, 1,682 t. Deflagged from Saint Vincent & the Grenadines to Saint Kitts & Nevis in September 2020 and finally Gabon for her last voyage shortened to Zinga. Classification society Bureau Veritas. Built in 2002 in Frederikshavn (Denmark) by Orskov Christensens. Owned by Bourbon Offshore (France). She was beached in Alang on January 16.

**Tidewater Marine (USA)**

Since 2015, two-thirds of the Tidewater fleet has been sold off to other Chinese, Indian or United Arab Emirates-based shipowners, or scrapped. The average age of the Tidewater vessels scrapped in the past six months is 12 years; all were beached in India.

**October-November-December 2020**

**Chiasson Tide (ex-Sanko Clover).** IMO 9412919. Length 71 m, 2,481 t. Deflagged from Vanuatu to Saint Kitts & Nevis for her last voyage shortened to Chiasson. Classification society American Bureau of Shipping. Built in 2009 in Niigata (Japan) by Niigata Shipbuilding. Acquired by Green Ocean Ship Management Pvt based in India prior to her departure for demolition. She was beached in Alang on January 11, 2021.

**Instone Tide.** IMO 9422885. Length 60 m, 1,529 t. Deflagged from Vanuatu to Palau for her last voyage shortened to Instone. Classification society American Bureau of Shipping. Built in 2008 in Batam (Indonesia by ASL Indonesia. Sold to Machtrans Ship Management Pvt Ltd (India) prior to her departure for demolition in India.

**J Hugh Roff Jr.** IMO 9302516. Length 67 m, 1,700 t. Deflagged from Vanuatu to Palau for her last voyage shortened to Hugh. Classification society American Bureau of Shipping. Built in 2005 in Gdansk (Poland) by Remontowa. Sold to Machtrans Ship Management Pvt Ltd (India) prior to her departure for demolition in India.

January-February-March 2021

Deroche Tide (ex-Jaya Arctic). IMO 9530280. Length 59 m, 1,451 t. Deflagged from Vanuatu to Palau for her last voyage shortened to Deroche. Classification society American Bureau of Shipping. Built in 2010 in Jiangmen (China) by Guangzhou Hangtong. Detained in 2010 in Xiamen (China). Acquired by Machtrans Ship Management based in India prior to her departure for demolition in India.

Kosarca Tide. IMO 9590254. Length 76 m, 2,657 t. Deflagged from Vanuatu to Palau for her last voyage shortened to Kosarca. Classification society American Bureau of Shipping. Built in 2011 in Jingjian (China) by Jingjian Nanyang Shipyard. Acquired by British Virgin Islands-registered Orleans Asset Holding Ltd prior to her departure under tow for demolition in India.

Thompson Tide. IMO 9389459. Length 70 m, 1,922 t. Deflagged from Vanuatu to Palau for her last voyage shortened to Thompson. Classification society American Bureau of Shipping. Built in 2007 in Gdansk (Poland) by Polnocna. Acquired by Virgin Islands-registered Orleans Asset Holding Ltd British prior to her departure for demolition in India.

Vrana Tide. IMO 9556351. Length 51 m, 1,447 t. Deflagged from Vanuatu to Palau for her last voyage shortened to Vrana. Classification society American Bureau of Shipping. Built in 2009 in Panyu (China) by Yuexin. Owned by Tidewater Marine (USA). Acquired by British Virgin Islands-registered Orleans Asset Holding Ltd prior to her departure for demolition in India.

Other companies

October-November-December 2020


Neftegaz-70. IMO 8418605. Length 81m, 2,631 t. Deflagged from Russia to Sierra Leone for her last voyage. Classification society Russian Maritime Register of Shipping. Built in 1990 in Szczecin (Poland) by A.Warskiego Szczecinska. Owned by Sakhalin Morneftegaz LLC (Russia). Her homeport was Kholmsk in the Russian Far East. Acquired by Liberia-registered MG Marine Projects Corp prior to her departure for demolition in Bangladesh.


January-February-March 2021

Conti. IMO 9285299. Length 64 m, 1,282 t. USA flag. Classification society American Bureau of Shipping. Built in 2005 in Mobile (USA) by Bender Shipbuilding & Repair Co. Owned by Gulfmark Americas Inc (USA). Sold for demolition. She was last spotted in Amelia (Louisiana, USA).


Orleans. IMO 9315501. Length 64 m, 1,575 t. USA flag. Classification society American Bureau of Shipping. Built in 2004 in Mobile (USA) by Bender. Owned by Gulfmark Americas Inc (USA). Sold for demolition. She was last spotted in Amelia (Louisiana, USA).

![Putford Worker, October 2019, Ijmuiden (Netherlands).](image1)  
© J Marechal

**Standby-safety vessel**

**October-November-December 2020**

**Orcades** (ex-**Grampian Orcades**). IMO 8900256. Length 46 m. Deflagged from the United Kingdom to Djibouti in June 2020. Classification society Lloyd's Register of Shipping. Built in 1991 in Bogense (Denmark) by Bogense SV. Owned by Danskib V Ltd (Gibraltar, United Kingdom). Sold for demolition in November 2020. Her official status is still "in service" mais her classification society considers she was sold "sold for recycling-scrap". Her final destination is to date unknown.

![Orcades © J Jamieson](image2)

**January-February-March 2021**

Two ships owned by Vroon Offshore Services Ltd, British subsidiary of the Dutch group Vroon BV were sold for demolition. They were laid-up in Leith (Scotland, United Kingdom). Their final destination is to date unknown. The **Vos Power**, **Vos Producer** and **Vos Prominence** belonging to the same owner were broken up in Gravendeel (Netherlands) by a EU-approved yard (see "Shipbreaking" # 61, p. 65).


Seismic research vessel
2020 : October-November-December = 4
2021 : January-February-March = 1

October-November-December 2020

Mahsuri (ex-Bremen, ex-Mintrop, ex-Bremen). IMO 7217999. Ex-factory ship built in 1972 in Bremerhaven (Germany) by Schichau Unterweser for Nordsee Deutsche Hochseefischerei GmbH (Germany) and converted in 1985. Length 92 m, 3,626 t. Deflagged from Malaysian to Saint Kitts & Nevis for her last voyage shortened to Suri. Classification society Det Norske Veritas / Germanischer Lloyd. Owned by Prima Shipmanagement (Malaysia). Sold to Green Ocean Ship Management Pvt Ltd based in India prior to her departure for demolition in Bangladesh. 393 US$ per ton.

Mahsuri, February 2017 Langkawi (Malaysia). © Frank22


Princess in Brest (France), June 24, 2013. © Erwan Guéguéniat

Mgs Sagar, laid-up in Dunkirk (France), March 23, 2015. © Pascal Bredel


Oceanic Phoenix in Brest (France), 5 November 2014. © Erwan Guéguéniat

laid-up in Dunkirk (France), May 23, 2015. © Pascal Bredel

.../...
In May 2019, the Port of Dunkirk raised its port fees; the *Oceanic Phoenix* was sent to Norway. In December 2020, she was towed for demolition in Esbjerg (Denmark) by the Smedegaarde, a EU-approved yard.


**January-February-March 2021**

**Miscellaneous - cable layer/pipe layer**

*October-November-December 2020*

*Calamity Jane (ex-Provider 1, ex-Tyco Provider, ex-Stakhanovets Yermolenko).* IMO 7616779. Built in 1978 in Rauma (Finland) by Hollming. Ex heavy load carrier converted to cable layer in 1999 in Mangalia (Romania) then in 2005 in Schiedam (Netherlands) to trenching support vessel. Length 139 m, 5,439 t. Maltese flag. Classification society Lloyd's Register of Shipping. Owned by Allseas Engineering BV (Netherlands). Detained in 2010 in Damietta (Egypt) and in 2012 in Dampier (Australia). Sold for demolition in Turkey.


*Livestock carrier*

*October-November-December 2020*

Dredger

2020 : October-November-December = 1
2021 : January-February-March = 2

October-November-December 2020

Orwell. IMO 8515520. Hopper capacity 2575 m³. Length 90 m. Belgian flag. Classification society Bureau Veritas. Built in 1987 in Ruisbroek (Belgium) by Fulton Marine. Owned by Decloedt in Zoon NV (Belgium). Sold for demolition in Gijon (Spain) by DDR Vessels XXI, a EU-approved yard.

Bayonne (France), October 2014. © Jean Pierre Boune

January-February-March 2021


© Puentedemando  Dravo Costa Dorada, DDR Vessels XXL yard © Alfonso

The ex-*Pacific Pintail* was classed INF-3, allegedly the highest safety level with regard to the maritime transport of spent nuclear fuel, plutonium and high-level radioactive waste. In the first part of her trading life for Pacific Nuclear Transport Ltd (PNTL), she was operated on long-distance voyages. There was more British commandos on board than crewmembers. She was equipped with a heavy artillery to fight off terrorist attacks and misappropriations of nuclear material destined for Japan from Barrow-in-Furness (UK) or Cherbourg (France). In 1999, along with the *Pacific Teal*, she was the first ship to transport MOX [Mixed Oxide, a nuclear fuel composed of plutonium and uranium] from Europe to Japan. The shipment was rejected by Japan because of falsified fuel checks at the Sellafield/Windscale reprocessing plant, and both ships returned to the United Kingdom with their MOX. In September 2004, still along with the *Pacific Teal*, she again made headlines with a 6,000 km voyage from the United States to Cherbourg (France), where 140 kg of Plutonium 239 intended for MOX fabrication were awaited. (See "Où sont-ils? Ils sont in l'Ouest", 2 September 2, 2004. [French language only]).

According to the PNTL doctrine, ships have to be decommissioned and dismantled at or before 25 years of service; thus, the *Pacific Teal*, built in 1982 was broken up in the Netherlands in 2008. Today PNTL operates a fleet of specialized vessels of 11 to 13 years of age, the *Pacific Grebe*, *Pacific Egret* and *Pacific Heron*. In 2012, the *Pacific Pintail*, built in 1987, broke with the tradition and played overtime : she was transfered to the Nuclear Decommissioning Authority and deployed on the European and Atlantic service. The cannons were removed. In September 2019, she sailed on her last voyage towards Nordenham (Germany) to deliver high-level radioactive waste from the reprocessing of German nuclear spent fuel by the English Sellafield/Windscale plant. After 33 years of nuclear service, the *Oceanic Pintail* is to be dismantled by the Scottish yard Dales Marine Services in its Leith drydock (United Kingdom).
The END. Hit and run

"Pandora indeed! A pretty name for a ship: fairly smiting Face in the face ".
Mardi and a Voyage Thither. Herman Melville. 1849.

The Sichem Pandora’s flight has lasted for exactly 15 years. She was beached on January 6, 2021 in Alang yards nicknamed Ulf and flying the flag of Saint Kitts and Nevis, but the detectives of Robin des Bois managed to unmask her.

It is quarter to 8 on Thursday January 5, 2008. It is a dark night. Dawn will soon arrive. Cherbourg is starting to make noise. The workers are driving lined up towards the main gate of the arsenal. The children are preparing to set off for school or are yelling in the corridors. Eleven of them will find out in the afternoon that they are fatherless. In the houses, the garlands of the Christmas trees are still flashing.

At sea, about 50 km off Cherbourg, in the Casquets Traffic Separation Scheme, it’s another story. There are flares and lights that move or occult at the mercy of the waves and the men who keep watch on the bridges from 4 am to 8 am are sleepy-eyed and look forward to the end.

The Sichem Pandora, 116 m long, Maltese flag, 3,000 tonnes of iron and stainless steel, comes hurtling from Sfax, Tunisia where she unloaded rapeseed oil, and is heading for Vlissingen, Netherlands. The tanker has no time to lose. Tomorrow, the rapeseed page will be turned and the Sichem Pandora must be ready to load paraffin to Montreal.

The Klein-Familie left Cherbourg around 4: am. Built in 1968 in Paimpol with Celtic oak, she is 14 m long, is going out fishing cod and 6 men are on board. When the Klein-Familie left at night, you could hear the guys talking to each other from the quay of the "Ancien Arsenal", and even from the memorable Mercure hotel, telling their petty stories while baiting hooks under the white awning which protected them from prying eyes on land and from the rain at sea.

At about a quarter to 8, the Klein-Familie smashes against the ice-strengthened bulbous bow of the Sichem Pandora. The small family sinks on the spot with a few calls for help and with for only witnesses a dark, furtive wall and the shadows of tanks and pipes. The Sichem Pandora has just passed by and 5 men just passed away. Two to three minutes before the shock, the cargo ship attempted an anti-collision manoeuvre. The MRCC Jobourg (Maritime Rescue Coordination Centre) stored this abrupt dodge which occurred between 7.52 and 8.03 am, when the Sichem Pandora resumed her initial course and speed as if nothing had happened.
The sequence straddles the 4:00 to 8:00 and 8:00 to 12:00 lookout watches. Four men in the wheelhouse, three Russians and one Latvian, ask themselves about the origin and fate of the lights that rubbed their port beam for a few seconds. Then the law of silence in an organised group sets on the *Sichem Pandora*.

At 8:48 am, it is now daylight and the *Alblas* reports 2 red flares in the Casquets TSS.

From 8:52 am, the MRCC Jobourg issues PANs (urgency messages) in French and English on channel 16.

At 8:54, the *Alblas* reports a liferaft astern.

At 9:12 am, the *Steines* reports one man alive on board the liferaft.

"Seamen are special people". "It's not blood that runs in their veins, it's saltwater". Fabienne Hérauville, widow of Franck, one of the 5 dead of the Klein-*Familie*. Le Monde. January 13, 2006.

At 9:45 am, the *Alblas* informs the MRCC Jobourg that she has just recovered a shipwreck survivor and one minute later, confirms the sinking of the *Klein-Familie* with 5 people on board. From then on, vigilance is required for all vessels in the western Channel and important airborne and seaborne resources are deployed by the Préfecture Maritime in Cherbourg and the Guernsey authorities to try to locate other survivors and traces of the shipwreck. The *Sichem Pandora* remains silent.
At 10:05 pm, just before leaving the waters under French jurisdiction and following a request of the Maritime Prefect for the Channel and the North Sea by the Cherbourg public prosecutor, the MRCC Gris-Nez orders the Sichem Pandora to divert to Dunkirk.

On January 6, thanks to the trajectory tracking of the MRCC Jobourg, the wreck of the Klein-Familie is detected by the sonar of the minesweeper Croix du Sud, which had sailed from Brest in the middle of the afternoon the day before.

From January 7, divers explored the wreck of the Klein-Familie. At a depth of 63 m, the scene is violent. The fishing boat is dismembered. A navigation light is still on and white and orange lights are still flashing. The bodies of the shipwrecked men are missing and will never be found.

Between January 6 and January 27, the Sichem Pandora and her 15 crew members are held in Dunkirk. On the bulbous bow of the cargo ship, green traces of paint corresponding to the colour code of the hull of the Klein-Familie are detected.

The 12 Russian sailors and the three Estonian, Latvian and Ukrainian sailors were questioned in Dunkirk by French investigators and then by Maltese investigators, as the Maltese justice took over the case by virtue of the considered to be exclusive responsibility of the flag state when a collision occurred in international waters. They were in unison and told the same story from the cook to the master. The swerve and zig zag at 7:45 a.m. were an ordinary maneuver to avoid a fishing gear and did not deserve to be registered on the logbook. No one on board felt any vibrations or variations in the power and sounds of the engine when the Sichem Pandora changed course. Except for the men on watch, they were all having breakfast or were waking up. The master spent part of the morning doing paperwork and filling out the payslips of three sailors who were due to disembark in Vlissingen.

During the watch from 8:00 to 12:00, the messages from MRCC Jobourg would not have been heard or understood. The master confirmed that he was only informed of the morning sinking of the Klein-Familie at midnight in Dunkirk bay.

On April 18, 2012, the Maltese magistrates concluded their investigation and stated that watchkeeping was deficient on board both the Klein-Familie and the Sichem. The chief officer and the able seaman on watch on board the Sichem Pandora between 4:00 and 8:00 a.m. on January 5, 2006 were charged with manslaughter, breach of the obligation to assist vessels in distress and persons in danger at sea, and for the breach of the mandatory duty to report accidents to nearby vessels. The captain, the deaf and dumb people on watch from 8:00 am to 12:00 pm, the Danish shipowner Eitzen Chemical A/S, and its crisis unit in Singapore, were exempted of all charges.

In March 2016, both men were acquitted by the Court of Criminal Judicature of Malta. The judges found that there was no sufficient evidence to acknowledge the involvement of the Sichem Pandora in the collision. A few months later, the chief officer requested the judicial help of the ITF (International Transport Workers’ Federation) and the SUR (Seafarers’ Union of Russia) to obtain financial compensation from the French authorities, which, according to him, were responsible for a serious offense to his reputation, his professional career and his private life. His efforts were unsuccessful.

Homage to Thierry Goueslain, 36 years old, to Ludovic Hérauville, 34 years old, to his brother Franck, 45 years old, to Olivier Brusa, 34 years old, to Frédéric Terpereau, 18 years old and to Jean Michel Guéno, miraculously saved, 19 years old, at the time of the shipwreck. Today, two sons of Thierry, the owner of the Klein-Familie, are mechanic and seaman on two Cherbourg fishing boats.
Sources:

Advanced Shipping & Trading; AFP; Allied Shipbroking; Anchor; Shipbroking; Baird Maritime; BEA Mer, bureau d'enquêtes sur les événements de mer; Bismark Maritime; Black Sea Memorandum of Understanding; Boatnerd; Boho Island News; Border Security Report; Bulletin Officiel des Marchés Publics; Bunker Index; Bureau Veritas; Chittagong Port Authority (the); Click petroleo e gas; Comercio (el); Cruise Deck; Cruise Industry News; Daily Star (the); Defesa; Det Norske Veritas – European Commission; European Maritime Safety Agency; Germanischer Lloyd; Dhaka Tribune (the); Dredge Point; Edge (the); Emirates 24/7; Equasis; EU Navfor; Euro Weekly News; Faktaomfartyg; Fednav; Fleetmon; Fleetphoto.ru; Fresh Plaza; G Captain; Global Marketing Systems; Guardia Civil; Hazardexonthenet; Hellenic Shipping News; Heraldo (el); Human Rights at Sea; Indian Ocean Memorandum of Understanding; Insurance Marine News; Intermodal Research; International Labour Organisation; International Maritime Organization; Irish Ferries Enthusiasts; Jeune Afrique; KBS World; Korabel; Korea Times (the); Liverpool Echo (the); Lloyd’s Register of Ships; Marin (le); Marine Traffic; Maritime Bulletin (the); Maritime Business; Maritime Executive (the); Maritime Herald; Mediterranean Memorandum of Understanding; Mer et Marine; Ministère des Affaires Étrangères du Bangladesh; Miramar Ship Index; National (the)-Papua New Guinea; National News (the), Emirats Arabes Unis; Navsource; Nippon Kaiji Kyokai; OE Digital; Offshore Energy; Pacific Nuclear Transport Ltd; Paris Mémorandum of Understanding; Place North West; Puentedemando; Recycling International; Robin des Bois, personnel sources and archives; Russian Maritime Register of Shipping; Safety 4 Sea; Seafarers’ Union of Russia; SeaNews; Ship and Bunker; Shipspotting; Sinaval; Soviet-trawler.narod; Splash 24/7; Supreme Court of Singapore; Teekay; Times of Malta; TN Petroleo; Tokyo Memorandum of Understanding; Trade Winds; Turkish Coast Guard; United Nations Security Council; United States Coast Guard; US Department of the Treasury; US Marad; Vessel Finder; Vessel Tracker; Vigilance Port de Québec; YPSA.

Sources - Sichem Pandora/Klein Familie

Presse de la Manche (la), Ouest-France, Monde (le), Mémorial National des Marins; Maritime Bulletin.net; BEA Mer, bureau d’enquêtes sur les événements de mer-Report of Safety Investigation Klein-Famille-Sichem Pandora; Court of Magistrates (Malta) : Maritime Inquiry regarding the fishing vessel Klein-Famille, April 18, 2012 / Case number 1313-2012, May 12, 2016 / Case number 1245-2012, May 12, 2016; Préfecture maritime de la Manche et de la mer du Nord.