About the MKC Current Awareness Bulletin (CAB)

The aim of the MKC Current Awareness Bulletin (CAB) is to provide a digest of news and publications focusing on subject areas related to the work of IMO. Each CAB issue presents headlines from the previous month. For copyright reasons, the Current Awareness Bulletin (CAB) contains excerpts only. Links to the complete articles or abstracts on publishers’ sites are included when available, though access may require payment or subscription.

The MKC Current Awareness Bulletin is published monthly and issues from the current and the past year are free to download from this page.

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IMO / UNITED NATIONS NEWS & EVENTS

WHAT’S NEW

International Maritime University of Panama to host Maritime Technology Cooperation Centre for Latin America

The International Maritime Organization (IMO) has announced that International Maritime University of Panama (UMIP) has been selected to host the regional Maritime Technology Cooperation Centre (MTCC) for the Latin America region, under an ambitious project, funded by the European Union (EU) and implemented by IMO, to help mitigate the harmful effects of climate change.

Under the Global MTTC Network (GMN) project, UMIP will host MTCC-Latin America. The selection of UMIP followed a competitive international tendering process.

UMIP joins MTCCs in Africa, Asia and the Caribbean. In February, IMO announced that Jomo Kenyatta University of Agriculture and Technology (JKUAT) will host MTCC-Africa. In December 2016, IMO announced that Shanghai Maritime University in China will host MTCC-Asia, while the University of Trinidad and Tobago will host MTCC-Caribbean.

One further MTCC will be established in the Pacific, to form a global network of five centres.

The regional MTCCs will deliver the agreed project milestones over a three-year period, making a significant contribution to IMO’s continuing, widespread efforts to ensure effective implementation and enforcement of the global energy-efficiency regulations for international shipping.

The MTCCs will receive allocations from the €10 million European Union funding for the project. They will be established and resourced to become regional centres of excellence, providing leadership in promoting ship energy-efficiency technologies and operations, and the reduction of harmful emissions from ships. Full Story: Briefing 13 - 26/04/2017

IMO MEETINGS FOR 2017

Legal Committee (LEG)
104th session, 26 – 28 April 2017

Facilitation Committee (FAL)
41st session, 4 – 7 April 2017

IMO PRESS BRIEFINGS

Norway is first to ratify 2010 compensation regime for Hazardous and Noxious Cargoes
Briefing: 12, April 21, 2017

IMO NEWS MAGAZINE (Spring, 2017)
RECENT SPEECHES BY IMO SECRETARY-GENERAL KITACK LIM

Legal Committee, 104th session (LEG)
104th session, 26 – 28 April 2017 (Opening address)

IALA Preparatory Diplomatic Conference
18 April 2017, Paris, France

70th National Assembly, FEDEPILOTI
11 April 2017, Rome, Italy

10th German National Maritime Conference
4 April 2017, Hamburg, Germany

Facilitation Committee (FAL)
41st session, 4 – 7 April 2017 (Opening address)
UNited Nations News


Casualties

Search operation for missing S. Korean cargo ship in S. Atlantic continues: gov’t. *Yonhap News Agency (South Korea)* [Online]. 3 April 2017. Available from: [http://www.goo.gl/gAkV9s](http://www.goo.gl/gAkV9s)  Search efforts for 22 crew members of a South Korean cargo ship that apparently sank in the South Atlantic last week are making little headway after two sailors were rescued Saturday, a government official said Monday.

2 believed crew of missing cargo ship found: gov’t. *Yonhap News Agency (South Korea)* [Online]. 2 April 2017. Available from: [http://www.goo.gl/zZktdU](http://www.goo.gl/zZktdU)  A life raft believed to be from a South Korean ship that sank in the South Atlantic last week has been found with efforts now under way to safely rescue two sailors on the raft, the Seoul government said Sunday.


MAIB Safety Digest 1/2017: Lessons from Marine Accident Reports.

Hopes fade in search mission for missing Stellar Daisy crew. By Sam Chambers.
Splash 24/7 [Online]. 4 April 2017. Available from: http://splash247.com/hopes-fade-search-mission-missing-stellar-daisy-crew/ The two rescued survivors of the VLOC Stellar Daisy, which apparently sank in the South Atlantic on Friday, have told their rescuers that the South Korean-owned vessel broke in two, according to Reuters and Korean news agencies.


Search for Korean vessel in South Atlantic yields no results. Korea Times [Online]. 5 April 2017. Available from: http://www.koreatimes.co.kr/www/nation/2017/04/251_227014.html The search for the Korean vessel Stellar Daisy in the South Atlantic has failed to find any traces of the ship or its missing crew, the maritime ministry said Wednesday.

Ship & Bunker [Online]. 5 April 2017. Available from: http://shipandbunker.com/news/world/141043 Large bulk carriers, due to their length (to put it in perspective Stellar Daisy was approx. over 3 footballs fields long!) are susceptible to extreme stress or cyclic loading where some parts are exposed to fluctuating loads (structures under stress) more than others.


Polaris suffers another VLOC mishap. By Sam Chambers. Splash 24/7 [Online]. 6 April 2017. Available from: http://splash247.com/polaris-suffers-another-vloc-mishap/ Splash has learnt that another very large ore carrier (VLOC) belonging to Polaris Shipping has run into difficulty off South Africa.


The investigation is expected to take a long time and is likely to be inconclusive, with the 1993-built vessel apparently lost in high seas on March 31 along with the 260,000 tonnes of iron ore it was carrying from Brazil to China.


A Korean seafarers union has questioned whether Polaris Shipping’s fleet is fit for purpose and suggested tankers that have been converted into bulkers are dangerous.


The 13,500 TEU *UMM Salal* is currently located in the Malacca Strait, the ship’s AIS data shows.


INTERCARGO is deeply concerned at the tragic loss of the VLOC vessel *STELLAR DAISY* reported on 31 March 2017; our thoughts are with the families and loved ones of the seafarers.

**Families plea for help in search of missing crew members of cargo ship.** *Yonhap News Agency (South Korea)* [Online]. 7 April 2017. Available from: [http://www.goo.gl/JHn2oF](http://www.goo.gl/JHn2oF)

About a dozen grieving family members of an ill-fated South Korean cargo ship asked the government on Friday to mobilize all resources to find their loved ones.


Another Polaris Shipping-owned very large ore carrier, *Stellar Unicorn*, has been held off South Africa due to hull cracks.


Foreign Minister Yun Byung-se has vowed all efforts to find the missing South Korean crew of a cargo ship that sank in the South Atlantic last month.


The two survivors of the *Stella Daisy* sinking have related how the ore carrier sank very rapidly in a report seen by Splash.


More than 70 members of a recovery team began searching the interior of the ferry *Sewol*, Tuesday, to look for the remains of the nine victims whose bodies remain missing, according to the maritime authorities.


The Uruguayan Navy announced a new search area for the missing crew of the *Stellar Daisy* which sank on March 31.
We have learned a great deal since then, about the properties of steel, what goes on in the process of welding and the difficulties of identifying fatigue and the early detection of cracking.

A probe to shed light on the exact cause of the tragic sinking of the *Sewol* ferry will begin late next month, a special fact-finding body said Thursday.

The bodies of two sailors have been discovered in the Black Sea at the scene where the *Heroes of Arsenal* cargo ship capsized.

The car carrier *City of Amsterdam* collided with the container ship Conmar Bay in the Kiel Canal, Germany, on Saturday at around noon.

An explosion on board the bulk carrier *Tamar* 1,300 miles offshore Cape Cod in the U.S. has left two crew members dead and two others suffering massive burns.

Three years ago the *Sewol* ferry disaster sparked a massive public outcry in South Korea, one that continues to reverberate till today.  
*After the Sewol: Films by Matthew Root and Neil P. George*

Family members of the 22 missing seafarers from the ill fated *Stellar Daisy* very large ore carrier (VLOC) have not given up hope and have sent letters to US president Donald Trump and his secretary of defence, James Mattis, asking for help.

The New York Air National Guard's 106th Rescue Wing pararescuers arrived on board the *Tamar* at about 9:30 p.m., after deploying from their HC-130 with two small boats and advanced life-saving equipment.

The livestock carrier was sailing from Capu Midia do Aqaba and hit the navy ship in heavy fog.
MSC suspects hazardous cargo misdeclaration sparked fire on giant boxship.
By Sam Chambers. Splash 24/7 [Online]. 27 April 2017. Available from:
Container giant MSC increasingly believes that a shipper misdeclaring hazardous cargo sparked the giant fire that riped through the art of the 13,800 teu MSC Daniela boxship on April 5.

UPDATE: Coast Guard concludes medical response from ship explosion, 2 medevaced.
United States Coast Guard [Online]. 26 April 2017. Available from:
https://content.govdelivery.com/accounts/USDHSCG/bulletins/196b421 The two surviving crewmembers of the bulk-carrier Tamar explosion were medevaced at approximately 4:30 a.m., by a Portuguese aircrew along with three New York Air National Guard's 106th Rescue Wing pararescuers to continue medical care.

ENVIRONMENT


New IUCN World Heritage report stresses urgency of protecting the Arctic from ships and oil as ice melts. UNESCO [Online]. 4 April 2017. Available from: http://whc.unesco.org/en/news/1649 The Arctic Ocean urgently needs protection as melting sea ice is opening up previously inaccessible areas to activities such as shipping, bottom trawl fishing and oil exploration, according to a scientific report launched today by the International Union for Conservation of Nature (IUCN), in partnership with the US-based Natural Resources Defense Council (NRDC) and UNESCO's World Heritage Centre.


This small island nation makes a big case for protecting our oceans. By Sarah Gibbens. National Geographic [Online]. 3 April 2017. Available from:
http://news.nationalgeographic.com/2017/03/palau-marine-protected-area-ocean-fish/ It stands to reason that if you protect the ocean, ecosystems will thrive.

A cleaner Pacific fleet needs Green Climate Fund backing. By Peter Nuttall, University of the South Pacific. Reuters [Online]. 6 April 2017. Available from:
http://news.trust.org/item/20170406071807-359v2/ Every fortnight MV Mataiki makes the 500-kilometre voyage from Samoa to Tokelau, laden with food, drink, medicine and fuel.


President & CEO: Junichiro Ikeda is pleased to announce that the United States National Oceanic and Atmospheric Administration's (NOAA) Channel Islands National Marine Sanctuary has honored MOL with an award for the company’s participation in the 2016 Vessel Speed Reduction (VSR) incentive program.


Commissioner for Environment, Maritime Affairs and Fisheries, Karmenu Vella said: "If sustainably managed, the oceans offer great potential for new jobs and growth in the EU and beyond."


Their investigation of a seamount more than 500km (300 miles) from the Canary Islands has revealed a crust of "astonishingly rich" rock.


The HELCOM Maritime Working Group has been awarded the Baltic Sea Fund Prize 2017 for its work to reduce pollution from maritime traffic in the Baltic Sea.


Q&A on the EU initiative for the sustainable development of the blue economy in the western Mediterranean.

Antarctica's biodiversity is under threat from tourism and climate change.


A unique international study has debunked the popular view that Antarctica and the Southern Ocean are in much better ecological shape than the rest of the world.


Whether due to the wealth of its natural resources, the centrality of its sea lines of communication for trade, or its propensity for conflict and natural calamities, the Indian Ocean is critical for the future of Europe and India.


Environmental and climate literacy is the engine not only for creating green voters and advancing environmental and climate laws and policies but also for accelerating green technologies and jobs, the United Nations is emphasizing on Mother Earth Day.

The Arctic as it is known today is almost certainly gone. The Economist [Online]. 29 April 2017. Available from: http://www.economist.com/node/21721379 Those who doubt the power of human beings to change Earth’s climate should look to the Arctic, and shiver.


Sea levels could rise by more than three metres, shows new study. Phys Org [Online]. 26 April 2017. Available from: https://phys.org/news/2017-04-sea-metres.html Global sea levels could rise by more than three metres - over half a metre more than previously thought - this century alone, according to a new study co-authored by a University of Southampton scientist.

ENVIRONMENTAL POLLUTION

Singapore shipping industry boosts efforts to meet emissions goals. By Rumi Hardasmalani. Today (Singapore) [Online]. 31 March 2017. Available from: http://www.todayonline.com/business/spore-shipping-industry-boosts-efforts-meet-emissions-goals Singapore’s maritime industry is stepping up efforts to reduce the environmental impact of shipping and related activities, ahead of the 2020 target that the International Maritime Organisation (IMO) has set for a 0.5 per cent global cap on sulphur emissions from marine fuels, from the current 3.5 per cent limit.

Officials: Oil no longer leaking from Cook Inlet pipeline, but scope and cause of spill still unknown. By Michelle Theriault Boots. Alaska Dispatch News [Online]. 3 April 2017. Available from: https://www.adn.com/alaska-news/environment/2017/04/02/officials-no-more-oil-leaking-into-cook-inlet-but-cause-and-scope-of-spill-still-unknown The flow of oil from an undersea pipeline leaking in Cook Inlet was halted Sunday, one day after the leak was noticed by workers on a Hilcorp Alaska offshore platform, state officials said.


IMO needs to investigate silicone hull coatings. *Green4Sea* [Online]. 19 April 2017. Available from: [http://www.green4sea.com/imo-needs-to-investigate-silicone-hull-coatings/](http://www.green4sea.com/imo-needs-to-investigate-silicone-hull-coatings/) While shipowners may have thought the use of organotins in marine hull coatings was completely outlawed in 2008 with the ban on tributyltin (TBT), they can still be used as a catalyst if organotin content does not exceed the allowable limit of 250mg/1kg of paint.


2020 emissions cap certain to cost owners more. By Vincent Wee.

Polluter says Chennai oil spill clean-up and restoration over but residue very much visible. By Krishna Chaitanya. New Indian Express [Online]. 27 April 2017. Available from: http://www.newindianexpress.com/cities/chennai/2017/apr/27/polluter-says-chennai-oil-spill-clean-up-and-restoration-over-but-residue-very-much-visible-1598215.html In a bizarre move, the 'polluter' MT Dawn Kancheepuram on Wednesday claimed that the entire clean-up and restoration work on the Ennore-Chennai coast, which suffered irreparable ecological damage after the oil spill, have been completed.


HEALTH


HEALTH AND SAFETY


IMO


**LAW AND POLICY**

**Dakuku Peterside: We inherited a primitive NIMASA.** *This Day (Nigeria)* [Online]. 2 April 2017. Available from: https://www.thisdaylive.com/index.php/2017/04/02/dakuku-peterside-we-inherited-a-primitive-nimasa/ Although an agency believed to be riddled with corruption, Peterside has since assuming office, proven to be different with his many out-of-the-box initiatives in redirecting the focus of the agency and reclaiming its place in the maritime sector, both as a regulatory and revenue-generating bureau of government.


**Memorandum of Cooperation with Ports and Harbours Bureau of the Ministry of Land, Infrastructure, Transport and Tourism of Japan.** *Maritime and Port Authority of Singapore (MPA)* [Online]. 3 April 2017. Available from: http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/3f71a99f-97a1-4c28-80cb-77db03884d4e Signed today by Mr Andrew Tan, Chief Executive of MPA, and Mr Michio Kikuchi, Director-General of Ports and Harbours Bureau, MLIT, the MOC further strengthens the bilateral ties between MPA and MLIT.

What are the legal consequences for a coastal state which accepts a permanently placed production facility that is a foreign-flagged ship or vessel within its exclusive economic zone (EEZ) and on its continental shelf?


Workshop to set up protective measures for Particularly Sensitive Sea Areas. Republic of Mauritius [Online]. 11 April 2017. Available from: http://www.govmu.org/English/News/Pages/Workshop-to-set-up-protective-measures-for-Particularly-Sensitive-Sea-Areas.aspx A three-day sub regional workshop on Particularly Sensitive Sea Areas (PSSAs), aimed at establishing protective measures for PSSAs tailored to prevent, reduce, and eliminate the risk of damage from international shipping activities, kicked off this morning in Ebene.

Master of none. By Michael Grey. Lloyd's List [Online]. 13 April 2017. Available from: https://www.lloydslist.com/ll/sector/containers/article553651.ece Lest anyone assume that Capt Pan was some sort of pirate or arms smuggler, or even intent on launching an armoured invasion of the People's Republic via its Special Administrative Region, clarification might be required.

Rich nations urged to honour Paris commitments at COP23. By Jaya Ramachandran. Pacific Islands News Association (Fiji) [Online]. 17 April 2017. Available from: http://www.pina.com.fj/?p=pacnews&m=read&o=170923473358f53c8f9a0ce145b3f9 Brazil, South Africa, India and China (BASIC) have urged rich nations to honour their commitments made in Paris in 2015 and provide money, help in capacity building and transfer technology to developing countries to fight against climate change.


Plans to setup a Think Tank on the Blue Economy Concept. News LK (Sri Lanka) [Online]. 18 April 2017. Available from: https://www.news.lk/news/world/item/16481 State Minister of Fisheries and Aquatic Resources Development Dilip Wedaarachchi said that he is willing to go beyond new and old models of THINK TANKS to deliver very productive results value to the society.


Proposals from the outcome of the discussion of the Working Group related to the protection of seafarers' wages ... International Labour Organization (ILO) [Online]. April 2017. Available from: http://www.ilo.org/wcmsp5/groups/public---ed_norm/---normes/documents/genericdocument/wcms_550369.pdf The text that follows reflects the various types of proposals discussed and is without prejudice to the positions of any government or group.

Banning transshipment at sea necessary to curb illegal fishing, researchers conclude. New York University (NYU) [Online]. 18 April 2017. Available from: https://www.nyu.edu/about/news-publications/news/2017/april/banning-transshipment-at-sea-necessary-to-curb-illegal-fishing--.html Banning transshipment at sea—the transfer of fish and supplies from one vessel to another in open waters—is necessary to diminish illegal fishing, a team of researchers has concluded after an analysis of existing maritime regulations. Potential ecological and social benefits of a moratorium on transshipment on the high seas.


With the Arctic “warming at twice the rate as the rest of the planet” and melting sea ice opening up this resource-rich region to new trade routes and commercial activities, the report stresses that "the United States needs to increase its strategic commitment to the region or risk leaving its interests unprotected." Report: Arctic Imperatives: Reinforcing U.S. Strategy on America’s Fourth Coast.


Pacific Regional Energy and Transport Ministers Meeting to be held next week in Tonga. *Pacific Islands News Association (Fiji)* [Online]. 20 April 2017. Available from: http://www.pina.com.fj/index.php?p=pacnews&m=read&o=84455889858f95d5699b2ea066a031 Over 100 high-level delegates and experts will convene in Tonga next week (26-28 April) for the Third Pacific Regional Energy and Transport Ministerial Meeting to discuss the latest international and regional developments in energy and transport sectors affecting the region.

Two arrests at RINA over alleged irregular certifications. *By Nicola Capuzzo*. *Splash 24/7* [Online]. 20 April 2017. Available from: http://splash247.com/two-arrests-rina-alleged-irregular-certifications Two inspectors at RINA, the Italian classification society, have been arrested today over irregular certifications to ferries and cargo ships following an investigation launched in 2013 after the Jolly Nero's accident occurred in Genoa resulting in the pilot tower collapsing.

400 Kg of Cocaine Seized aboard Boxship in Colombia. *World Maritime News* [Online]. 24 April 2017. Available from: http://worldmaritimenews.com/archives/218348/400-kg-of-cocaine-seized-aboard-boxship-in-colombia A cargo of 400 kilograms of cocaine has been seized aboard the Italy-flagged containership *Cala Palma* by the Colombian naval and police units, according to information provided by the country's navy.


**MARINE TECHNOLOGY**


Sea Grant releases brochure on oil spill cleanup technology developments. *Gulf of Mexico Research Initiative (GoMRI) [Online].* 6 April 2017. Available from: http://gulfresearchinitiative.org/sea-grant-releases-brochure-oil-spill-cleanup-technology-developments/ The Gulf of Mexico Research Initiative (GoMRI) is pleased to announce a new Sea Grant informational brochure that explores products currently available or in development to remove oil from water in future spills.


'Digital will change the fundamentals of shipping': Lasse Kristoffersen. By Sam Chambers. *Splash 24/7 [Online].* 25 April 2017. Available from: http://splash247.com/digital-will-change-fundamentals-shipping-lasse-kristoffersen/ Lasse Kristoffersen, president and ceo of Scandinavian line Torvald Klaveness, has warned his peers that the opaque nature of shipping will change very soon thanks to technological change.


Digitalisation 'is just a means to an end'. By James Baker. *Lloyd's List* [Online]. 26 April 2017. Available from: https://www.lloydslist.com/l/sector/containers/article554540.ece Shipping companies and terminal operators thinking that salvation lies in technology are missing the point of digital innovation, according to Thomas Vitsounis, ports, shipping and logistics lead at Data61, a research unit spun out from Australia's Commonwealth Scientific and Industrial Research Organisation.


**MARITIME SAFETY**


Maersk employees sound alarm after platform fire. *ShippingWatch* [Online]. 5 April 2017. Available from: http://shippingwatch.com/secure/Offshore/article9483595.ece A lack of progress in safety on one of Maersk's oil platforms has now prompted concerned employees to raise the alarm more than a whole year after a platform fire, writes Danish daily Berlingske.

Insurance firm warns of dangerous loads after shipwreck. By Ole Andersen and Niklas Krigslund. *ShippingWatch* [Online]. 6 April 2017. Available from: http://shippingwatch.com/secure/carriers/Bulk/article9485145.ece Although no one yet knows the reason for bulk vessel Stellar Daisy's shipwreck in the South Atlantic last week which has left 22 crew members missing, some suspect the 260,000 tons of iron ore cargo is partly to blame.

Maritime mishaps loom, group warns. *Manila Standard* [Online]. 10 April 2017. Available from: [http://manilastandard.net/sunday-lgu-section-pdf/mindanao/233995/maritime-mishaps-loom-group-warns.html](http://manilastandard.net/sunday-lgu-section-pdf/mindanao/233995/maritime-mishaps-loom-group-warns.html) A non-government organization for the protection of Filipino seafarers has voiced its apprehension of the neglected maritime security in the country, saying the "long list of maritime mishaps" transpiring before and now in the country must be acted on by the government, or it should "be ready to face another catastrophe at sea, may it be an act of terrorism or sea tragedy."


**MARITIME SECURITY**


Your ship has probably been cyber attacked already. By George Ward. *gCaptain* [Online]. 31 March 2017. Available from: [http://gcaptain.com/your-ship-has-probably-been-cyber-attacked-already/](http://gcaptain.com/your-ship-has-probably-been-cyber-attacked-already/) You have been either hacked… or just didn't know you have been hacked!

West Africa seeks to bring order to troubled, lawless waters. By Joe Bavier. *Reuters* [Online]. 4 April 2017. Available from: [http://uk.reuters.com/article/uk-africa-gulfofguinea-idUKKBN1761JW](http://uk.reuters.com/article/uk-africa-gulfofguinea-idUKKBN1761JW) The outline of a ship slowly emerged from the haze, and the crew of the Ivory Coast's naval patroller Le Bouclier said it was a Colombian vessel suspected of smuggling drugs that they had been hunting for several hours.
US and West Africa join forces on maritime security. By Barthélemy Blédé. 

Group airs concern on state of maritime security in the country. By Raymund Antonio. 

INFOGRAPHIC: Less than 44% of shipping companies have cyber security plans.
By Marcus Hand.  *Seatrade Maritime News* [Online]. 11 April 2017. Available from: http://www.seatrade-maritime.com/news/asia/infographic-less-than-44-of-shipping-companies-have-cyber-security-plans.html  A survey by Sea Asia of ceo's, chairman and directors of maritime and offshore companies found that while 90.63% thought more should be done to prevent cyber attacks, less than half that number - just 43.75% - had prevention and contingency plans in place.

EU initiates ocean patrol security cooperation in Indian Ocean. By Reiny Dwinanda.


Shipowners: More naval vessels by Somalia are an option. By Tomas Kristiansen.  *ShippingWatch* [Online]. 19 April 2017. Available from: http://shippingwatch.com/carriers/article9514189.ece  Events over recent weeks of hijackings and piracy off the coast of Somalia have once again prompted shipowners to raise the question of whether more naval vessels should be sent to the region.


MARITIME TRAINING


MPA prepares global maritime leaders to tackle new challenges in industry. Maritime and Port Authority of Singapore (MPA) [Online]. 20 April 2017. Available from: http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/2f8b0407-14e3-4563-90cc-a1d9a254b151 The MPA Academy – the training arm of the Maritime and Port Authority of Singapore (MPA) – in partnership with the Singapore Management University (SMU) and Human Capital Leadership Institute, today officially launched its 2nd Advanced Maritime Leaders' Programme (AMLIP).


IMO Regional Technology Center Nominated in Panama. Maritime Executive [Online]. 26 April 2017. Available from: http://www.maritime-executive.com/article/imo-regional-technology-center-nominated-in-panama The International Maritime University of Panama has been selected to host the IMO's regional maritime technology cooperation center for the Latin America region.
MIGRANTS


EU migration crisis: border agency accused of stirring controversy.
By Stephanie Kirchgaessner. The Guardian [Online]. 5 April 2017. Available from: https://www.theguardian.com/world/2017/apr/05/eu-migration-crisis-frontex-people-traffickers A senior Italian minister has accused Frontex, the EU border agency, of creating a "misleading controversy" for political purposes after it accused aid groups such as Médecins Sans Frontières (MSF) of colluding with migrant-traffickers.


Three killed after migrant boat sinks off coast of Spain. By Isla Binnie and Maria Vega. Reuters [Online]. 12 April 2017. Available from: http://www.reuters.com/article/us-europe-migrants-spain-idUSKBN17E1F8 Three migrants from sub-Saharan Africa were killed when their boat capsized in the Mediterranean but the Spanish navy managed to rescue another 30 people in the group, a coast guard spokesman said on Wednesday.


Frontex rescues more than 1400 migrants over Easter weekend.
MOAS conducts rescue of over 1,500 people from 9 vessels across 24 hours of uninterrupted rescue operations in the central Mediterranean. Migrant Offshore Aid Station (MOAS) [Online]. 16 April 2017. Available from: http://www.goo.gl/18EqfC With 2,074 rescues conducted in the Central Mediterranean by various search-and-rescue (SAR) assets on Friday 14th, including 134 rescued by the Phoenix, this weekend is set to be the latest marker in the record-breaking escalation of this on-going humanitarian crisis at sea.


Mediterranean: Nearly 9,000 Migrants Rescued in One Weekend, as Total Deaths Reach 900 in 2017. International Organization for Migration (IOM) [Online]. 18 April 2017. Available from: http://www.iom.int/news/mediterranean-nearly-9000-migrants-rescued-one-weekend-total-deaths-reach-900-2017 Over the three days between Friday 14 to Sunday 16 April, a total of 8,360 migrants were rescued in the Mediterranean by the Italian Coast Guard, the many Non-governmental Organizations (NGOs) rescue ships, Frontex, EunavforMEd and commercial ships.

Sixteen migrants drown making Turkey-Greece crossing. BBC News [Online]. 25 April 2017. Available from: http://www.bbc.co.uk/news/world-africa-39704754 At least 16 people have drowned in the narrow strait separating Turkey from the Greek island of Lesbos, say authorities and the UN.


Refugees stranded for 30 hours before rescue in Mediterranean. By Diane Taylor. The Guardian [Online]. 21 April 2017. Available from: https://www.theguardian.com/world/2017/apr/21/refugees-stranded-mediterranean-dinghy A hundred refugees and migrants crammed into a small dinghy that started taking in water in the Mediterranean endured an agonising 30-hour wait before they were rescued, a maritime log passed to the Guardian has revealed.


NAVIGATION AND COMMUNICATIONS


PIRACY

Somali pirates hijack Indian commercial ship: Official. *Times of India* [Online]. 3 April 2017. Available from: [http://www.goo.gl/isPZfq](http://www.goo.gl/isPZfq)  A cargo ship with 11 Indian crew members on board has been hijacked by pirates off the Somali coast, officials from the Directorate General of Shipping said on Monday.


India, China navies stop suspected Somali pirate attack on merchant vessel.
By Aditya Kalra.  
*Reuters* [Online]. 9 April 2017.  Available from:  

*ReCAAP* [Online]. 11 April 2017.  Available from:  
[http://www.recaap.org/AlertsReports/IncidentReports.aspx?Command=Core_Download&EntryId=499](http://www.recaap.org/AlertsReports/IncidentReports.aspx?Command=Core_Download&EntryId=499)

Cargo Ship *MV OS-35* freed from pirate control after successful cooperation between counter-piracy naval forces in Gulf of Aden.  
*EU NAVFOR Somalia* [Online]. 10 April 2017.  Available from:  

When can we say with more certainty that Somalia-based piracy is resurgent?
By James Wilkes.  
*Splash 24/7* [Online]. 10 April 2017.  Available from:  

Somalia’s pirates are back in business.  
By Jason Patinkin.  
*Foreign Policy* [Online]. 9 April 2017.  Available from:  

Operation Atalanta’s Force Commander and European Ambassadors reinforce need for vigilance against piracy threat during port visit to Tanzania.  
*EU NAVFOR Somalia* [Online]. 11 April 2017.  Available from:  

Somali security forces capture 10 pirates in stand-off: officials.  
By Abdi Sheikh.  
*Reuters* [Online]. 11 April 2017.  Available from:  

Somalia's military rescues 8 Indian crew members held hostage by pirates.  
*Times of India* [Online]. 12 April 2017.  Available from:  

Somali Piracy Disremembered.  
By Yury Fedotov, Executive Director, UN Office on Drugs and Crime.  
*Huffington Post* [Online]. 12 April 2017.  Available from:  
[http://www.huffingtonpost.co.uk/yury-fedotov/somali-piracy-disremember_b_15932740.html](http://www.huffingtonpost.co.uk/yury-fedotov/somali-piracy-disremember_b_15932740.html)

Somalia’s military has rescued eight Indian crew members who had been held hostage by pirates, an official said on Wednesday.

Somali piracy off the Horn of Africa was once estimated by the World Bank to cost global trade billions of dollars, and to harm the fragile economies of countries in the region.

Attention shifts to Somalia in bid to protect maritime trade. By Fred Oluoch. *East African (Kenya)* [Online]. 17 April 2017. Available from: [http://www.theeastafrican.co.ke/news/Yemen-war-shift-focus-to-Somalia/2558-3892528-g79o8o/index.html](http://www.theeastafrican.co.ke/news/Yemen-war-shift-focus-to-Somalia/2558-3892528-g79o8o/index.html) Somalia is suddenly back in the limelight, with a number of high-level visits in the past few weeks signalling a renewed interest by the international community in the country that had been written off as a failed state.


**PORT STATE CONTROL**


Flag of Convenience: Can Sri Lanka nurture this 'Golden Goose'? By Captain A. Banerjee. *Sunday Observer (Sri Lanka)* [Online]. 23 April 2017. Available from: [http://www.goo.gl/vuHABz](http://www.goo.gl/vuHABz) In the last 2 years Sri Lanka has taken considerable efforts and is slowly moving towards her desire to be the next Maritime Hub.

**PORTS AND HARBOURS**


Liverpool’s new cruise terminal moves another step closer. By Tony Storey. Seatrade Maritime News [Online]. 11 April 2017. Available from: http://www.seatrade-cruise.com/news/news-headlines/liverpool-s-new-cruise-terminal-moves-another-step-closer.html The document, to be considered by the UK city's ruling Cabinet on 21 April, also seeks approval for a further £1.7m ($2.1m) to be spent on the next phase of technical studies and investigations into the feasibility of the plan to build and operate a purpose-built terminal capable of handling up to 3,600 turnaround passengers.


China’s Tianjin port cracks down on coal in Beijing’s war on smog: notice. Reuters [Online]. 17 April 2017. Available from: http://uk.mobile.reuters.com/article/idUKKBN17J0L2 China’s Tianjin Port Co Ltd will impose measures to curb the trucking and storage of coal months earlier than expected, as one of the nation's busiest ports complies with government orders in its war on smog, a customer notice shows.

Positive early take up of ‘green’ discount on port charges. Port of London Authority (PLA) [Online]. 24 April 2017. Available from: http://www.pla.co.uk/Green-Discount Introduced by the Port of London Authority (PLA) on 1 January, the discount is available to ships that exceed international emissions standards set by the International Maritime Organisation (IMO) in a scoring scheme run by the World Ports Climate Initiative.

RECYCLING OF SHIPS

Controversial tide carrier under arrest in Norway. NGO Shipbreaking Platform [Online]. 6 April 2017. Available from: http://www.shipbreakingplatform.org/press-release-controversial-tide-carrier-under-arrest-in-norway/ After having been informed by the NGO Shipbreaking Platform and its member organisation Bellona that the TIDE CARRIER (now named HARRIER, aka EIDE CARRIER) had been sold for illegal, dirty and dangerous scrapping to a South Asian beaching facility, the Norwegian environmental authorities arrested the ship on Tuesday 5 April [1].


REGULATIONS


For the bunker industry, 100% sulfur compliance by 2020 is a distant dream. By Surabhi Sahu. S&P Global Platts [Online]. 7 April 2017. Available from: http://www.platts.com/latest-news/shipping/singapore/feature-for-the-bunker-industry-100-sulfur-compliance-26706656 The world’s bunker industry is making progress in inching toward meeting the International Maritime Organization (IMO) global sulfur cap target by 2020, but with less than three years to go, achieving the target in its entirety still looks like a tough climb.

Maritime nations call for regulation of unmanned ships. By Louise Vogdrup-Schmidt. ShippingWatch [Online]. 11 April 2017. Available from: http://shippingwatch.com/secure/carriers/article9502170.ece The development of autonomous vessels is underway in several countries and they could soon begin sailing, but the matter remains of how to regulate the international sailing of unmanned vessels.


**Paper**


**Respect of fishing rules has improved in the past years, but more needs to be done to achieve full compliance, reveals a Commission evaluation on the fisheries control regime.** *European Commission* [Online]. 25 April 2017. Available from: https://ec.europa.eu/fisheries/respect-fishing-rules-has-improved-past-years-more-needs-be-done-achieve-full-compliance-reveals_en The report shows that Member States have generally implemented the main obligations set by this regulation, which remains a key instrument to deliver the objectives of the Common Fisheries Policy (CFP).

**Protection of the Sea (Prevention of Pollution from Ships) Amendment (Polar Code) Bill 2017.** *Government of Australia* [Online]. 27 April 2017. Available from: http://parlinfo.aph.gov.au/parlInfo/search/display/display.w3p;query=Id%3A%22legislation%2Fbil lsdgs%2F5238716%22 Purpose of the Bill The purpose of the Protection of the Sea (Prevention of Pollution from Ships) Amendment (Polar Code) Bill 2017 (the Bill) is to amend the Protection of the Sea (Prevention of Pollution from Ships) Act 1983 (POTS Act) to fulfil Australia’s international obligations under the International Code for Ships Operating in Polar Waters (Polar Code), and in particular to implement stricter requirements for discharging oil, noxious substances, sewage and garbage from ships in Antarctic and Arctic waters.

**IMO’s low-sulphur cap will boost tanker demand after 2020.** By Eric Yep. *Lloyd's List* [Online]. 27 April 2017. Available from: https://www.lloydslist.com/ll/sector/tankers/article554597.ece The disruption in fuel supply created by the International Maritime Organization's low-sulphur regulations post-2020 would boost tanker demand as vessels would be needed to transport compliant fuels to different locations, Howe Robinson & Partners' head of tanker research Stavroula Betsakou said at the Sea Asia conference held during Singapore Maritime Week.
**SALVAGE**

Workers aim to dock *Sewol-ho* onto dry land by Friday. *Arirang News (South Korea)* [Online]. 4 April 2017. Available from: http://www.arirang.co.kr/News/News_View.asp?nseq=202542  The Ministry of Oceans and Fisheries and the head of a special committee overseeing the search and investigation of the ill-fated *Sewol-ho* ferry say they're pursuing all possible ways to speed up the final preparations to safely transport the vessel on dry land by Friday.

*Sewol-ho* ferry to be secured at current location due to structural concerns. *Arirang News (South Korea)* [Online]. 11 April 2017. Available from: http://www.arirang.co.kr/News/News_View.asp?nseq=202754  Officials have decided to leave the *Sewol-ho* ferry where it is due to concerns about the structural integrity of the vessel and the potential risk of further damage.

**SEAFARERS**


Crew of vessel at Kandla Port raises alarm over depleting food supplies. *Indian Express* [Online]. 6 April 2017. Available from: http://indianexpress.com/article/india/crew-of-vessel-at-kandla-port.raises-alarm-over-depleting-food-supplies-4601419/  The crew of merchant vessel anchored in the waters of the Kandla port has sent out a video message on the social media, stating that the vessel has been idling at the port in Gujarat for the last 15 days and the crew onboard will soon run out of food and essential supplies.

Australia to fine sacked seafarers. *Maritime Executive* [Online]. 7 April 2017. Available from: http://maritime-executive.com/editorials/australia-to-fine-sacked-seafarers  The Australian Council of Trade Unions (ACTU) and the Maritime Union of Australia (MUA) are openly questioning the political motivations of Australia’s Fair Work Ombudsman after the agency announced it was seeking $10,800 fines for nine seafarers, five of whom were woken up at 1am and marched off the ship they were occupying in Portland, Victoria, in January 2016.

Nautilus UK committee launches certificate campaign. *Nautilus International* [Online]. 6 April 2017. Available from: https://nautilusint.org/en/what-we-say/nautilus-news/nautilus-uk-committee-launches-certificate-campaign/  Nautilus UK committee members have launched the next phase of activity for the Union’s Charter for Jobs – sending special postcards to MPs to highlight the problems around the way UK Certificates of Equivalent Competency (CEC) are issued.

HRAS publishes desperate letter for help from abandoned crew of *MV Liberty Prrudencia*. *Human Rights at Sea (HRAS)* [Online]. 8 April 2017. Available from: https://www.humanrightsatsea.org/hras-publishes-desperate-letter-for-help-from-abandoned-crew-of-mv-liberty-prrudencia/  Human Rights at Sea today publishes a copy of a desperate letter for help from the remaining Indian seafarers of the Hong Kong flagged *MV Liberty Prrudencia* abandoned in China by the owner Paramount Liberty Shipping (HK) Ltd, which has been sent to the charity as well as a number of other welfare organisations, including the ITF. Letter 📝


Asleep at the helm: the dangerous impacts of seafarer fatigue. By Eva Grey. Ship-Technology.Com [Online]. 13 April 2017. Available from: http://www.goo.gl/B8vDV2 Over the past few years, the issues surrounding the wellbeing and mental health of seafarers have gained prominence thanks to increasingly accessible channels for reporting, the campaigning of maritime NGOs and support organisations, as well as more in-depth research projects investigating the human element of the maritime industry.


SEARCH AND RESCUE


Nearly 9,000 refugees were rescued after they tried crossing the Mediterranean in unseaworthy boats over the weekend.


The Jury of the Félix Houphouët-Boigny Peace Prize has decided to award the Prize to Giuseppina Nicolini, Mayor of Lampedusa (Italy) and to the nongovernmental organization SOS Méditerranée (France) for their work to save the lives of refugees and migrants and welcome them with dignity.

**SHIPBUILDING AND SHIPREPAIR**


Russia is planning the construction of a purpose-built ship for transporting radioactive waste and spent nuclear fuel along the Northern Sea Route.


"We have been able to maintain the same cargo capacity as the single side hull design by optimising the structural configuration of the no. 1 and no. 3 cargo tanks design, in combination with finite element (FE) analysis and using the DNV GL rules to optimize the scantlings, weight and hull strength," says Dug Ki Min, Vice President, HMD Seoul.


The joint design programme is aimed at exploring the suitability of technologies for large ships, such as VLOC.


Just two weeks after the delivery of the first containership to surpass the 20,000 TEU mark, the record for the world's largest containership has been broken yet again with the delivery of the *Madrid Maersk* to Danish shipping giant Maersk Line.


The technology group Wärtsilä is to supply the engines and other propulsion machinery for a new offshore construction vessel being built at the Cosco shipyard in China.
France eyes Mediterranean shipping emissions zone as Marshall Islands renews green shipping push. *Hellenic Shipping News* [Online]. 1 April 2017. Available from: [http://www.goo.gl/YKfKqC](http://www.goo.gl/YKfKqC) The first concrete evidence France is backing proposals for a Mediterranean-wide emissions control zone for shipping has emerged, a plan that could significantly accelerate EU action to tackle poor air quality in many of the continent's largest cities.


**SCF Group partners with Shell to make the first global step towards LNG-fuelled oil tanker industry.** *Sovcomflot* [Online]. 3 April 2017. Available from: [http://sovcomflot.ru/en/press_office/press_releases/item86521.html](http://sovcomflot.ru/en/press_office/press_releases/item86521.html) SCF Group (Sovcomflot) has signed an agreement with Shell Western LNG B.V. (Shell) for the supply of liquefied natural gas (LNG) to fuel the first Aframax crude oil tankers in the world to be powered by LNG.

**What is the effective size of the operational world tanker fleet.** *Hellenic Shipping News* [Online]. 5 April 2017. Available from: [http://www.hellenicshippingnews.com/what-is-the-effective-size-of-the-operational-world-tanker-fleet/](http://www.hellenicshippingnews.com/what-is-the-effective-size-of-the-operational-world-tanker-fleet/) With the oil price looking capped by the potential for export of U.S. shale oil, and with industry opinion formers and analysts predicting steady demand growth over the coming three to five years (IEA forecast demand growth 1.4 million barrels per day 2017, 1.2m barrels per day per annum 2018-22), the freight market will in all likelihood be a supply driven market.


Unusually large swarm of icebergs blocking shipping lanes. By Jennifer McDermott. CTV News (Canada) [Online]. 6 April 2017. Available from: http://www.ctvnews.ca/sci-tech/unusually-large-swarm-of-icebergs-blocking-shipping-lanes-1.3356875 More than 400 icebergs have drifted into the North Atlantic shipping lanes over the past week in an unusually large swarm for this early in the season, forcing vessels to slow to a crawl or take detours of hundreds of kilometres.


I woke on Saturday to the terrible news coming from Uruguay that the giant 266,000 dwt *Stella Daisy* bulker had disappeared in the South Atlantic, likely sank.


Leading classification society ClassNK has received authorization from the Liberian Registry to provide Liberian flagged vessels with electronic certificates for statutory surveys.


**Infamous *MV Susitna* finally put to use in the Philippines**. By Mike Schuler. *gCaptain* [Online]. 6 April 2017. Available from: http://gcaptain.com/infamous-mv-susitna-finally-put-to-use-with-philippine-red-cross/ The Philippine Red Cross has taken delivery of their newest and largest humanitarian and disaster response ship, the infamous *MV Susitna*.

**Tackling shipping’s climate impacts costs less than you think**. By Faig Abbasov, Aviation and Shipping Officer, Transport & Environment. *Huffington Post* [Online]. 10 April 2017. Available from: http://www.huffingtonpost.com/entry/tackling-shippings-climate-impacts-costs-less-than_us_58eb53f9e4b06f8c18beeda6 How much would you be willing to pay to tackle climate change?


**Sea trade sector to grow by 10%**. *Business and Financial Times (Ghana)* [Online]. 11 April 2017. Available from: http://thebftonline.com/business/maritime/23886/sea-trade-sector-to-grow-by-10-.html Renewed confidence in the business environment is expected to lead to a 10 percent growth in the maritime sector this year, Dr. Kofi Mbiah, Chief Executive Officer of the Ghana Shippers' Authority (GSA) has projected.


Another defect found on a Polaris VLOC. By Sam Chambers. *Splash 24/7* [Online]. 13 April 2017. Available from: [http://splash247.com/another-defect-found-polaris-vloc/](http://splash247.com/another-defect-found-polaris-vloc/) The hunt for the *Stellar Daisy* has been plunged into chaos with another converted VLOC that had been leading the search and rescue mission in the South Atlantic – also belonging to the same beleaguered Korean owner – forced to head to Cape Town for repairs.

Trade recovery expected in 2017 and 2018, amid policy uncertainty. *World Trade Organization (WTO)* [Online]. 12 April 2017. Available from: [https://www.wto.org/english/news/english/pres17_e/pr791_e.htm](https://www.wto.org/english/news/english/pres17_e/pr791_e.htm) The WTO is forecasting that global trade will expand by 2.4% in 2017; however, as deep uncertainty about near-term economic and policy developments raise the forecast risk, this figure is placed within a range of 1.8% to 3.6%.


From highways to high seas. By Tushar Prabhune. Times of India [Online]. 16 April 2017. Available from: http://timesofindia.indiatimes.com/city/ahmedabad/from-highways-to-high-seas/articleshow/58200627.cms On May 20, if everything goes according to schedule, Gujarat will take a giant step towards realizing one of the most ambitious projects - the Roll-on Roll-off (Ro Ro) ferry service - conceptualized decades ago.

Shipping industry faces seismic shift in 2020 as sulfur cap looms. S&P Global Platts [Online]. 18 April 2017. Available from: http://www.platts.com/podcasts-detail/spotlight/2017/april/shipping-imo-scrubbers-041817 In 2020 the shipping industry is facing its biggest change since the shift away from burning coal a century ago as the IMO is set to impose a new 0.5% sulfur cap on marine fuel emissions.


AAMA: Nigeria is now positioned to lead continental maritime — CEO, NIMASA. Vanguard (Nigeria) [Online]. 24 April 2017. Available from: http://www.vanguardngr.com/2017/04/aama-nigeria-now-positioned-lead-continental-maritime-ceo-nimasa/ Thirty countries in the littoral states and inlands in Africa generate a lot of cargo, we have the market and we are the second biggest market in the world, yet we are not an active player in the maritime industry.
The Singapore Shipping Association (SSA) is working towards boosting Singapore’s debt and equity markets with the launch of a Maritime Capital Forum later this year, as part of a wider blueprint for growth in various key areas in 2017.

There are more passenger ships in the LNG-powered fleet than any other type of vessel.

After much deliberation, the two juries have selected four candidates for each of the shortlists for the 2017 Energy Efficiency and Next Generation Awards.

Last week, the Stena Line ropax ferry Trelleborg, now named Sunny, completed a 12-hour overnight trip between the islands of Qeshm and Kis.

Jos is currently Director of Development and External Affairs at international maritime charity The Mission to Seafarers, an organisation with which many of the Members and Directors of Maritime London have a close relationship.

This framework is the first with a financial institution in the Netherlands and is supported by the "Connecting Europe Facility" and was made possible by the "EFSI" (European Fund for Strategic Investments), central pillar of the Juncker Commission's Investment Plan for Europe.

Detailing its Blue Growth Strategy in 2012, the European Commission has intended to provide a driver to Europe's welfare and prosperity, and for sustainable growth in the marine and maritime sectors as a whole.

Some shipowners and operators in Asia could be exempted from ballast water management measures due to come into force from September should a push by shipowner groups be successful.
Singapore ranked first in maritime capitals of the world for third consecutive time.  

Opening remarks by Capt M. Segar, Asst Chief Executive (Operations), Maritime and Port Authority of Singapore at the launch of TR56: 2017 (Technical Reference for LNG Bunkering) on 28 April.....  Maritime and Port Authority of Singapore (MPA) [Online].  28 April 2017.  Available from:  
http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/b28963c4-c3ad-4a89-b3cc-15ca84fe88fd  This document will provide a reliable and transparent framework for LNG bunkering operations in Singapore.

Launch of Singapore’s First Standard for Liquefied Natural Gas Bunkering.  Maritime and Port Authority of Singapore (MPA) [Online]. 28 April 2017.  Available from:  
http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/8955a9e8-f7be-4fc5-a987-92936724d1f3  The first Singapore Technical Reference (TR) 56 for Liquefied Natural Gas (LNG) Bunkering was launched today by the Maritime and Port Authority of Singapore (MPA).

http://www.hellenichippingnews.com/methanol-fueled-vessels-mark-1-year-of-safe-reliable-efficient-operations/  April 2017 marks one-year since Waterfront Shipping (WFS) welcomed seven of the world’s first ocean-going vessels capable of running on methanol into its fleet.

https://shipandbunker.com/news/world/788575-lng-fuelled-ships-to-more-than-double-by-2020-energy-aspects  Energy Aspects Ltd suggests the number of liquefied natural gas (LNG)-fuelled vessels will more than double by 2020 from 2016 numbers, growing to 200 from 77 last year.

Improving environmental footprint is an ongoing process.  Green4Sea [Online]. 28 April 2017.  Available from:  
http://www.green4sea.com/improving-environmental-footprint-is-an-ongoing-process/  Mr. Poul Woodall, Director Environment & Sustainability, DFDS, explains what the GREEN4SEA Clean Shipping Award means for his company.

New Maritime Apprenticeship Scheme to familiarise jobseekers with seafaring career.  Maritime and Port Authority of Singapore (MPA) [Online]. 27 April 2017.  Available from:  
http://www.mpa.gov.sg/web/portal/home/media-centre/news-releases/detail/9fa8d49e-c81c-421e-b14a-54d7e0a1e517  A new Maritime Apprenticeship Scheme in support of the Adapt & Grow initiative to familiarise and match jobseekers with potential employers was launched today by the Maritime and Port Authority of Singapore (MPA), e2i (Employment and Employability Institute), Singapore Organisation of Seamen (SOS) and Workforce Singapore (WSG).

http://www.maersk.com/en/markets/2017/04/maersk-partners-with-microsoft-to-power-digital  With Microsoft's cloud computing services and Azure platform, Maersk has a powerful set of tools for turning its vast operational and commercial data into more efficient operations and better products and services for customers.
Dubai among world’s top 5 maritime clusters in competitiveness and attractiveness.  

Management needs to be held accountable for vessel incidents. By Wei Zhe Tan.  
_Lloyd's List_ [Online]. 27 April 2017. Available from: https://www.lloydslist.com/ll/sector/ship-operations/article554648.ece Amid a prolonged shipping downturn that had led to cutbacks in vessel maintenance, management needed to be held accountable for vessel accidents, said Aurora Tankers’ head Kenny Rogers at the Lloyd's List Business Briefing panel discussion held during Singapore Maritime Week.

**RESEARCH**


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**About the cover**

The CAB Cover is a photograph of the international memorial to the world’s seafarers, past, present and future which graces the entrance to IMO Headquarters in London. The memorial, a seven-metre high, ten-tonne bronze representation of the bow of a cargo ship with a lone seafarer on the deck, is the work of internationally renowned British sculptor Michael Sandle.