



PORTS & HARBORS

Official Journal of the International Association of Ports and Harbors

All on board

Advantages of a diverse workforce

Adani acquisition

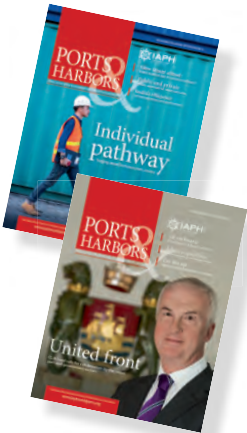
Krishnapatnam port changes hands

On the up

Middle Eastern ports push for business

United front

CLIA head calls for collaboration by the cruise,
port and government sectors



12

The cruising and ports sectors must work together with local governments to educate the public about the economic benefits of vessel calls.

Photo: CLIA

REGULARS

Comment: Santiago Garcia-Milà talks about the revolution in maritime logistics **3**

News: Bremenports reduces emissions; dredging connects Siberia; more LNG for South Korea, and more **4**

In conversation with: Tom Boardley from the Cruise Lines International Association talks to IAPH's Patrick Verhoeven about the sector's relationship with ports **8**

Open forum: Associated British Ports discusses its diversity and inclusion strategy **10**

Infographic: An overview of throughput data from ports in South/West Asia and the Middle East **30**

WPSP update: PortXL joins the IAPH World Ports Sustainability Program **32**

Youth forum: Zuziwe Mkhabela, the first female marine helicopter pilot in South Africa, tells her story **34**

Maritime update: IAPH continues its engagement to reach IMO's greenhouse gas reduction targets **35**

Women's forum: Anthonia Ohagwa, who won the IAPH Women's Forum Scholarship, talks about transforming the management culture at the Nigerian Ports Authority **36**

IAPH info: Reports from the Yokohama Maritime Forum and the Smarts Ports Summit, and more **38**

Last word: Tessa Major from the port of Açú describes how the port unites operation and conservation **40**

FEATURES

Cover story: Port maintenance costs to repair damage due to climate change have significantly increased **12**

Energy transition: As the IMO's limits on emissions kick in, major ports and refineries step up capacity **16**

Diversity: Many successful companies regard diversity and inclusion as a source of competitive advantage **18**

India: Krishnapatnam port is facing a change of ownership from CVR Group to Adani Ports **22**

Middle East: Ports in the Middle East do not allow overcapacity issues hamper their growth plans **26**



12



18



22



36



PORTS & HARBORS

Official Journal of the International Association of Ports and Harbors

Control from abroad

The impact of offshoring jobs

Friendly push

Ports make data sharing popular

Safe to proceed

Unexploded ordnance cleared in ports

Closing the gap

Despina Theodosiou works
to empower women in maritime



P&H CONTENTS



8

In this edition, Patrick Verhoeven and Despina Theodosiou discuss how to make the maritime industry more diverse

Photo: Tototheo Maritime

REGULARS

- Comment:** Collaboration is key **3**
- News:** Klaipėda port mulls big development, logistics failures cause hike in VLSFO prices, and more **4**
- In conversation with:** Patrick Verhoeven and Despina Theodosiou discuss diversity in maritime **8**
- Open forum:** Battery-powered ships offer commercial opportunities for ports, argues SPBES CEO Brent Perry **10**
- Infographic:** Illustrated throughput information for European ports for the past five years **32**
- Maritime update:** News from the IMO **35**
- IAPH info:** ESI registrations increased, Tessa Major elected as IAPH vice-president, and member information **36**
- Last word:** Jacques Vandermeiren, Port of Antwerp CEO, on the port's role to push sustainability in the sector **40**

FEATURES

- Infrastructure:** The consequences of offshoring terminal jobs explained on Australian ports **12**
- Sustainability:** Collaboration is key for global ports to successfully improve their carbon footprint **16**
- Connected future:** With the help of ports, data-sharing platforms become more popular **18**
- Port clusters:** Leaders from port cities have established a forum that aims to increase collaboration **22**
- Liverpool addition:** The Liverpool Cruise Terminal afforded the architectures the possibility to create history **24**
- Safety first:** A Finnish port's ground must be cleared of unexploded ordnance before expansion can start **28**



12



16



18



24



PORTS & HARBORS

Official Journal of the International Association of Ports and Harbors

Changing workforce
The human cost of automated ports

Be prepared
Adapting to security threats

Costly transfer
Transhipping costs hurt India's export

New normal

Co-ordinating trade during COVID-19





8

The COVID-19 pandemic has caused a shift in the maritime industry – ports around the world work to ensure trade continues.

Photo: Costfoto/Barcroft Media via Getty Images

REGULARS

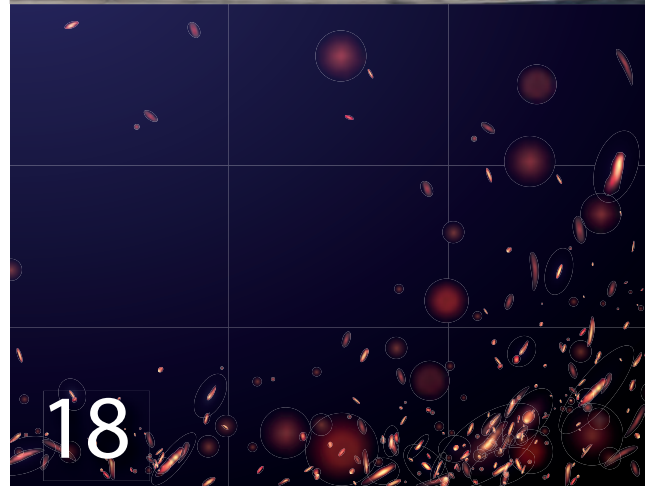
- Comment:** IAPH president Santiago Garcia-Milà reflects on how COVID-19 impacts the maritime industry **3**
- COVID-19 news:** How ports around the world cope with the virus pandemic **4**
- Open forum:** Dustin Eno, Navigate Response; and Devin Sirmenis, Witt O'Brien's, talk through a fictional cyber attack and how to ensure business continuity **10**
- Infographic:** Looking at port throughput at US and Canadian ports **32**
- Maritime update:** What the IMO does to help member states tackle COVID-19 and ensure trade continues **34**
- IAPH info:** Latest information from your association **36**
- WPSP info:** The results of the COVID-19 port impact barometer and insights from the WPSP annual report **39**

FEATURES

- Cover story:** IAPH MD Patrick Verhoeven and IMO experts discuss how COVID-19 puts pressure on shipping **8**
- Digitalisation:** The human cost of the new era of smart and automated ports **12**
- Q&A:** CEO of Abu Dhabi Ports, captain Mohamed Juma Al Shamisi, talks about becoming a cruise destination, sustainable growth, and the impact of COVID-19 **16**
- Crisis management:** The increase of larger ships calling at ports and the rise in terrorism threats have seen Singapore adapt its emergency response since 2009 **18**
- Reputation management:** The Taiwanese port of Keelung looks to European standards when it comes to cutting carbon and installing equipment **21**
- Q&A:** Clemence Cheng, executive director of Hutchison Ports, talks about safe and low-carbon operations and how to make a business smarter **24**
- North America:** The USD1.49 billion Middle Harbor Terminal Redevelopment project at the port of Long Beach, US, is marshalling dredging, reclamation, and construction works to meet several crucial needs on a significant scale **26**
- Cleveland:** What sinking roads on an abandoned, tree-lined hillside have to do with the port of Cleveland **29**
- India:** Transshipping costs hurt India's export business **30**



12



18



21



26



PORTS & HARBORS

Official Journal of the International Association of Ports and Harbors

Diverse and desirable
Ports generate new revenue streams

Smooth operation
Digital twins expose risk areas in ports

Competitive climate
The race is on to build ports in the Arctic

Future gazing

Associated British Ports' CEO Henrik Pedersen
on navigating a post-COVID-19 landscape





8

Henrik Pedersen, CEO of Associated British Ports, shares future plans amid COVID-19 with IAPH's Patrick Verhoeven.

Photo: Susanne Hakuba

REGULARS

Comment: IAPH President Santiago Garcia-Milà on the need to digitise the industry amid the COVID-19 pandemic **3**

COVID-19 news: A look around the globe to see how ports further react to the COVID-19 pandemic **4**

In conversation with: Henrik Pedersen, CEO of Associated British Ports, shares future plans amid COVID-19 with IAPH's Patrick Verhoeven **8**

Open forum: Neil Godfrey, GAC, talks through the major shock to the system COVID-19 had on the global maritime and ports community **12**

Infographic: Looking at how throughput in African ports has developed in the past five years **30**

IAPH info: The latest news from your IAPH **32**

WPSP awards: The World Ports Sustainability Program has revealed winners and runners-up of this year's awards **34**

Maritime update: The IMO repeats calls to designate maritime crew as key workers during COVID-19 **40**

FEATURES

New business for ports: COVID-19 exposes the need to move away from port calls only **14**

Safety in port: Siport21 is developing a digital twin software to show vulnerable areas in ports **16**

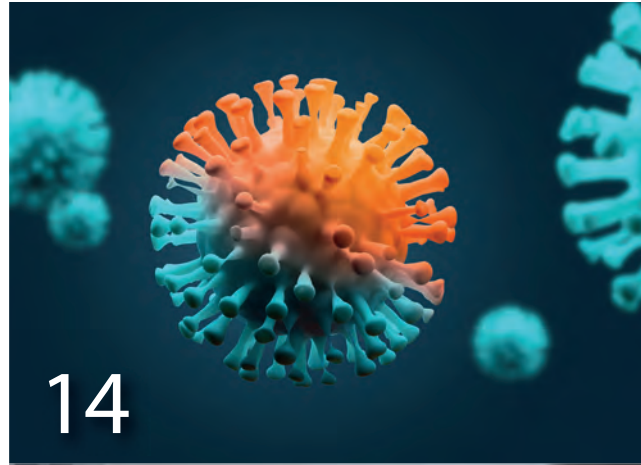
Fire safety: Good practice examples for ports to follow in order to establish a good safety culture **18**

Port design and planning: With climate change opening up Arctic sea routes, *P&H* looks at tactical locations for new ports **20**

Dredging for construction: Dredged material from ports is being reused in the construction industry **22**

Morocco: Wanting to secure its energy supply chain, Morocco works with its ports **26**

West Africa: How COVID-19 threatens efforts made to modernise West African ports **28**



14



18



22



28



PORTS & HARBORS

Official Journal of the International Association of Ports and Harbors

Profitable action

Carbon capture as a business model

Where it's at

COVID-19 accelerates container tracking

Connecting a continent

Africa needs port community systems



Community builder

Tessa Major gets ports working together within IAPH COVID-19 taskforce



8

Tessa Major and Patrick Verhoeven discuss how ports serve as regional employer and social enterprise

Photo: Port of Açú

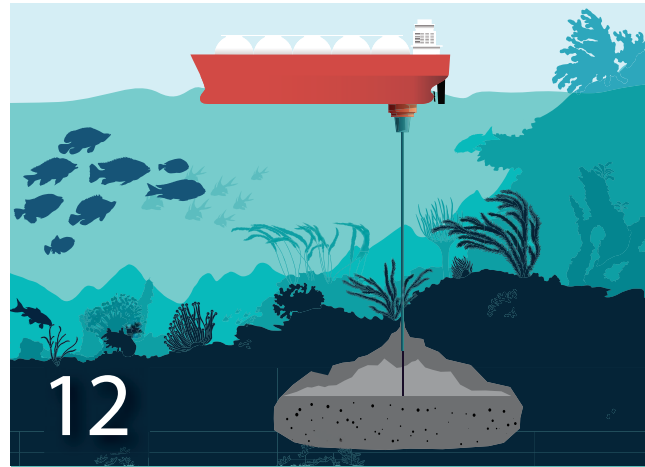
REGULARS

- Comment:** IAPH president Santiago Garcia-Milà on how the IAPH will help members to prepare for disruption **3**
- News:** Looking into the aftermath of the Beirut port explosion; ports see further impact from COVID-19 **4**
- In conversation with:** Tessa Major, business director at Port of Açú, and Patrick Verhoeven talk about ports as community builder **8**
- Open forum:** New IoT standards make tracking of cargo along the supply chain easier **10**
- Infographic:** A visualised throughput at Australian and Chinese ports over the past five years **34**
- IAPH info:** The latest news from the association, including organisational changes **36**

- Maritime update:** The IMO has introduced a just-in-time arrival guide for port operations and more **38**
- WPSP info:** What ports need to do now to protect business from COVID-19-caused shortfalls **40**

FEATURES

- Port resilience:** A look into the feasibility and status of carbon capture projects **12**
- Sustainability in ports:** Decisions need to be made now to equip ports with low-emission technology **16**
- Port software:** Part of the new normal will be the tracking of containers – initiated by COVID-19 **18**
- Port design:** What African ports need to establish functioning port community systems **22**
- Port equipment:** Tugs are deployed to do heavy lifting, the more important is that they emit few emissions **24**
- Essar, India:** Essar Ports tries to climb back up with its coal and iron ports following a COVID-19-induced slump **28**
- Europe:** Russia is diverting its business away from ports in Estonia, Latvia, and Lithuania **32**



12



18



24



28



PORTS & HARBORS

Official Journal of the International Association of Ports and Harbors

Crew change conundrum
Fate of crew hinges on dubious agents

Pandemic forces progress
Dredging sector adapts to COVID-19

Focus on Latin America
Two ports expand to defy economic crisis

Shared duty

BIMCO president Dr Şadan Kaptanoğlu calls for a united response to enable crew changes and decarbonise the maritime industry



6

Patrick Verhoeven talked to Şadan Kaptanoğlu, president of BIMCO, about being a shipowner during COVID-19

Photo: BIMCO

REGULARS

Comment: While the port sector stood strong against the pandemic, COVID-19 exposed challenges that the sector must continue to address in 2021 **3**

News: Further updates on how COVID-19 determines the future of ports, and other news **4**

In conversation with: Patrick Verhoeven and Şadan Kaptanoğlu, president of BIMCO, discuss how shipowners and ports can work better together **6**

Open forum: Maritime UK shows how its working groups help to diversify the maritime workforce **10**

Infographic: The top 10 ports in South America rated by their throughput over the past five years **30**

IAPH info: The latest news from your association **32**

WPSP info: The sustainability group discusses obstacles that prevent just-in-time arrival of ships **36**

Last word: Eranda Kotelawala, CEO of the Solomon Islands Ports Authority, issues a call to action **40**

FEATURES

Crew change conundrum: The pandemic has exposed ways of making money with crew changes **12**

Corruption: For some crew, a port call means dealing with bribery and unwanted attention from port officials **16**

Dredging during COVID-19: A round-up into how the pandemic influences dredging works **18**

Brazil: Having been heavily hit by COVID-19, how does the country react to the impact of the pandemic **22**

Argentina: Argentina tries to defy an economic crisis with an extension to its vehicle export hub, Port of Zárate **24**

India: J M Baxi Group's leadership about how its container terminals cope with the changed COVID-19 landscape **26**

