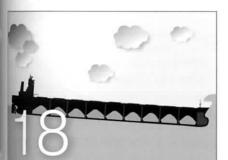
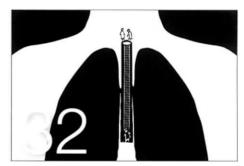
ontents.







Features

18 Bulker safety

Forward compartments continue to be wherable because of design risks

24 Navigation and bridge

Does a certificate still prove that a seafarer scompetent to navigate a ship safely?

2 Enclosed spaces

Addressing the dangers of toxic cargo holds and oxygen-deficient atmosphere

Safety at Sea

on the cover

The number of seafarers who die in enclosed spaces each vear could grow if crews lack access to the right safety training or equipment. SAS speaks to the experts about training and regulation, and analyses attempts to address the dangers of oxygen-deficient areas on page 32

Regulars

4 Our say

SAS's managing editor examines growing concerns over navigational competence

5 Your say

A seafarer makes a plea for training while another sounds off on fitness

6 News

Carnival invests in redundancy; Safety at Sea Awards ready for bookings; collisions prompt Singapore warning; Rabaul Queen survivors sue; GPS back-up a success

14 Security news

USCG cites cyber threat; pirates release Royal Grace and Smyrni; ships hijacked 'to order' in Asia; Mavi Marmara apology

16 Training news

Filipino school closure warning; American Club releases another Silent Assassin: MOL begins ambitious training programme

36 Regulation insight

Big changes on the way for guidance on fire protection systems and appliances

37 Products

West Africa vessel protection and tanker vetting software profiled

38 Safety briefing

A tug capsizes during tow and a crew member is lost overboard in these reports

40 MARS

Buoy fouled after loss of propulsion

46 View astern

Mapping Mulberry with the UKHO

For further in-depth coverage go to safetyatsea.net





sen for several windfarm service vessels enabling rescue of a "helpless person" from the sea as per DNV regulations

Dacon AS, Norway Ph: +47 2106 3510

Fax: +47 6753 3440

rescue@dacon.no

www.dacon.no



Manufacturer of man-overboard recovery equipment through 25 years

- · Dacon Rescue Scoop: Powered recovery system for larger rescue vessels
- Dacon Rescue Frame: Manual/Power assisted recovery equipment for smaller rescue craft
- Dacon Rescue Basket: A stable rescue platform
- Dacon climbing Aid: Scrambling/Recovery net
- Dacon Rescue Dummy: A full size mannequin for realistic training exercises