

**Editor** Nick Savvides  
**Design/Production Manager** Sandy Defraigne  
**Group Sales Director** John Payten  
**Assistant Advertising Manager** Valder Gates  
**Advertisement Production Manager** Stephen Bell  
**Subscriptions & Publications Manager** Josie Smith  
**Publisher** Mark J Staunton-Lambert

Published by:  
 The Royal Institution of Naval Architects  
 Editorial & Advertisement Office:  
 8-9 Northumberland Street  
 London, WC2N 5DA, UK  
 Telephone: +44 (0) 20 7235 4622  
 Telefax: +44 (0) 20 7245 6959

**E-mail editorial** editorial@rina.org.uk  
**E-mail advertising** advertising@rina.org.uk  
**E-mail production** production@rina.org.uk  
**E-mail subscriptions** subscriptions@rina.org.uk

Printed in Wales by Stephens & George Magazines.

The Institution is not, as a body, responsible for opinions expressed in *The Naval Architect* unless it is expressly stated that these are the Council's views.

Registered charity No. 211161  
 © 2015 The Royal Institution of Naval Architects. This publication is copyright under the Berne Convention and the International Copyright Convention. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted without the prior permission of the copyright owner. Permission is not, however, required to copy abstracts of papers or of articles on condition that a full reference to the source is shown. Multiple copying of the contents without permission is always illegal.

A 2015 subscription to *The Naval Architect* costs:

NAVAL ARCHITECT (10 issues per year)			
12 months	Print only†	Digital Only*	Print + Digital
UK	£177	£177	£227
Rest of Europe	£185	£177	£235
Rest of World	£198	£177	£248

†Includes p+p  
 \*Inclusive of VAT

The Naval Architect Group (English & Chinese Editions)  
 Average Net Circulation 15,812 (total)  
 1 January to 31 December 2014

ISSN 0306 0209



## 7 Editorial comment

Regulation – too much or too little?  
 In time or too late?

## 8-16 News

- 8-10 News
- 12 News analysis
- 14-16 Equipment news

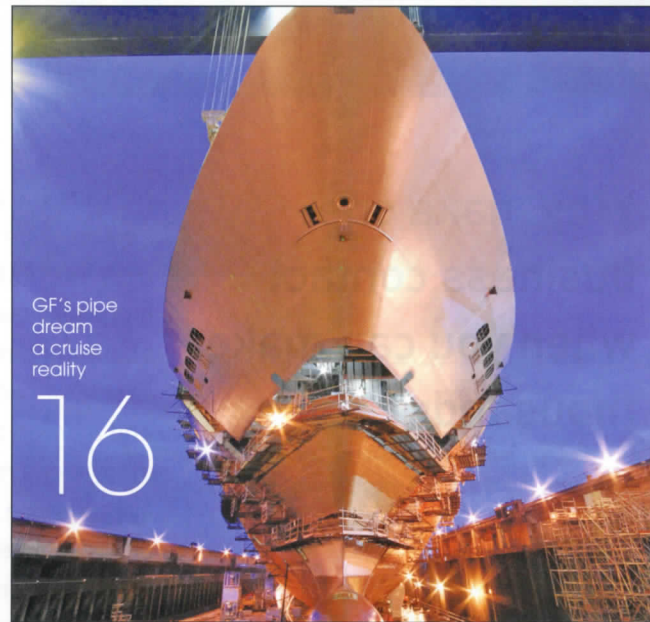


## 18-23 In-depth

- 18-20 **Compit** | Cherish the old, explore the new
- 22-23 **Profiles** | Candidates gear up for imminent IMO election

## 52 Letter

## 58 Diary







**Seafarers  
 AWARENESS WEEK  
 20-28 June 2015**

This year Seafarers Awareness Week is highlighting  
**Opportunities to Work at Sea**

promoting education, training and recruitment services leading to employment in the Merchant Navy  
 - inc container and other cargo vessels, fuel tankers, cruise ships, ferries, superyachts  
 and workboats - the Royal Navy and Fishing Fleets.

#seafarersweek Find out more and get involved  
[www.seafarersweek.uk](http://www.seafarersweek.uk) or contact [week@seafarers-uk.org](mailto:week@seafarers-uk.org)






## 24-52 Features

### Feature 1 Regulations and Class

- 24-25 Regulations float in confused seas
- 25-27 Emissions more than just hot air
- 27 Russian Register revels in Arctic rules

### Feature 2 LNG/LPG

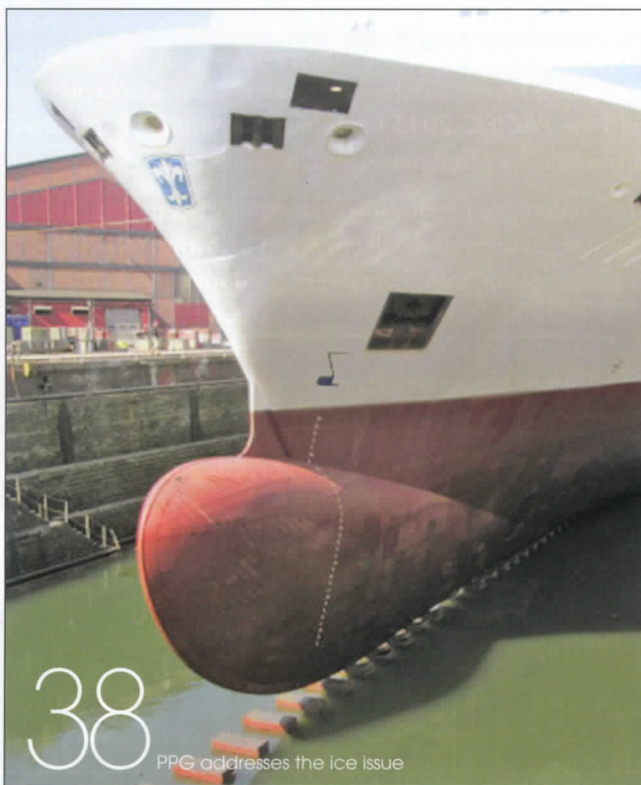
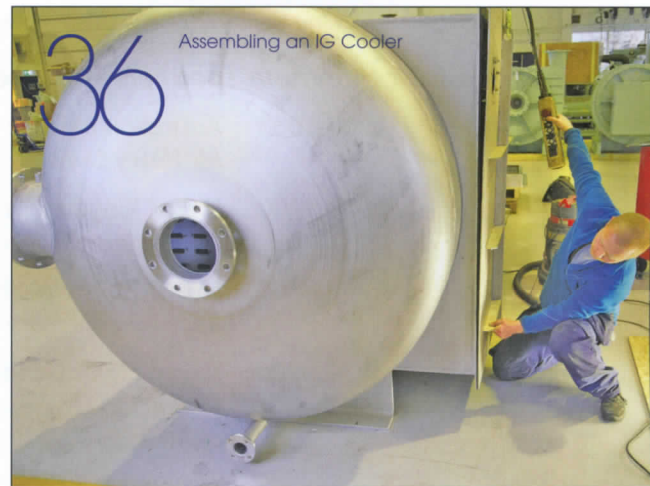
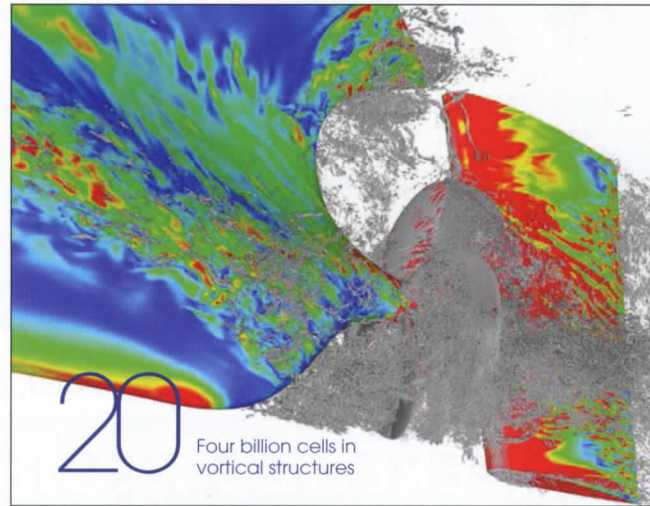
- 30-34 LNG tank 'fender' takes vessel design beyond B/5
- 36-37 Overcoming inertia towards new inert gas systems

### Feature 3 Paints & Coatings

- 38-39 Classy coatings on ice
- 39-44 Keeping your guard up
- 45-47 The appliance of science

### Feature 4 Foundation Feature

- 49-52 Shallow draught steamers for the colonies
- 52 Letters



### Digital Editions

The Naval Architect is published in print and digital editions. The current and archived digital editions (from January 2004) may be read on PC, iPad or other touchpad.

Visit <http://www.rina.org.uk/na-digital.html> to read the digital editions, or download the free RINA Publications App.

