## Contents | OCTOBER 2012

**Editor** David Foxwell

Publishing Assistant Nicola Stuart

Group Sales Director John Payten

Advertisement Production Manager Stephen Bell

Subscriptions & Publications Manager Josie Pearlson

Publisher Mark J Staunton-Lambert

Published by:

The Royal Institution of Naval Architects

Editorial & Advertisement Office:

10 Upper Belgrave Street

London SW1X 8BQ, 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 *Warship Technology* unless it is expressly stated that these are the Council's views.

Registered charity No. 211161

© 2012 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.



ISSN 0957-5537

## 5 Editorial comment

Good money after bad?

6-13 **News** 

6-13 News



## 14-54 Features

### Feature 1 Advanced hullforms

14-15 Textron to build Ship-to-Shore Connector

### Feature 2 Australia/New Zealand

16-19 Ambitious plans may prove difficult to realise

#### Feature 3 Surface combatants

20-22 Type 26 moves into systems design phase

22-23 First Brazilian OPV departs UK

### Feature 4 Small naval/paramilitary craft

24-45 Vigor teams with Ulstein to offer X-Bow to US Coast Guard

46-47 Small units built in large numbers

#### Feature 5 High-speed craft

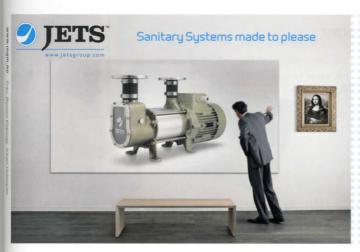
48-49 First JHSV completes acceptance trials

#### Feature 6 Automation

50-52 Automation of payload handling key for future surface ships

#### Feature 7 Submarine rescue

53-54 New simulator delivers improved submarine rescue support



# VACUUMARATOR. THE ORIGINAL - INVENTED AND IMPROVED BY JETS.

The new 95MB Vacuumarator pump makes Jets vacuum sanitary systems even better – at no extra cost

The Vacuumarator pump is the driving force in any Jets vacuum sanitary system. The new 95MB has 30 % more capacity compared with the legendary 65MBA. Increased capacity means less energy demand, running time and wear. The result is even better reliability. And furthermore: It costs the same.

Upgrade from 65MBA in half an hour

Same footprint, measures and connections makes retrofit and upgrade extremely simple. The spare parts you have in stock, can be used on the 95MB.

INVESTING IN THE ORIGINAL PAYS OFF



RACY

1102

eptor 1102

mugglers,

es the heat

sel at open

e for every

fo@damen.com