### On the cover



54 The replenishment tanker RFA Tidespring. This edition of IDR examines the MARS Tanker programme.

- 25 Boeing unveils new unmanned eVTOL cargo air vehicle prototype
- 26 Boeing releases image of offering for USN's
- 27 US Navy's USV fleet ramps up testing
- 28 Houston Mechatronics developing UUV to manipulate at extreme depths without

### Cyber

- 29 US Navy integrates and elevates cyber operations role
- 30 ConSec targets COTS security solutions

### Special reports

- 31 US Marine Corps gears up for fire support in the Lightning II era
- 34 Testing the water: Saab sets out its future manned/unmanned fleet vision
- 36 CMRE demonstrates sustained operations in AUV underwater docking trials

#### Features

- 38 Heavy armour: A tale of two worlds
- 44 Sea sentinels: China progresses unmanned systems development
- 50 Saab touts biz-jet-based GlobalEye and Swordfish platforms

# Equipment profile

54 MARS Tanker programme charts a new course for RFA afloat support shipping

### Technology report

60 Frontline first aid: Developing best practice in combat medicine

# Parting Shot

66 Qatar Emiri Air Force fighter procurement

# On the web ihs.com/janes

- USAF integrates AgilePod onto light attack jet
- Russia, China partner for PD-35 engine
- US Army awards Northrop Grumman contract to upgrade army fixed wing airborne ISR fleet

### News

#### Weapons & Equipment

- Details of Russian T-90MS MBT emerge
- Saab readies AUV62-AT for USN trials
- BAE Systems advances plan for new UK radar demonstrator
- Saab joins South Korean AESA fighter radar development
- 13 'Netted Sensors 2017' experiment exploits **TINT link**
- 14 Jordan aims for greater close air support autonomy
- 15 Bars-8 mortar carrier undertakes acceptance trials

#### Missiles & Rockets

- 16 Novator reveals details of export version of Club system, missile and range
- 17 Russian bombers to be armed with new Kh-50 theatre-level cruise missile
- 18 Hero-400EC development set to be finalised in 2018
- 20 MBDA researching materials for high-speed
- 21 NATO, Lockheed Martin sign ELGTR follow-on accord
- 22 India successfully tests Ashvin interceptor

### **Unmanned Systems**

- 23 Milrem demos THeMIS autonomy, outlines roadmap
- 24 USMC, ONR conduct final autonomously, operated UH-1 demonstration H 3 EAVMANA