
■ SECURITY POLICY

- 16 **Delivery rather than Perfection: ESD Interviews the UK Minister for Defence Procurement**
James Cartlidge MP
- 20 **UK Defence Command Paper 2023: Making a Virtue of Necessity**
Conrad Waters
- 24 **How 'Special' is this Relationship? The USA and the UK**
Dan Kaszeta
- 30 **Coordinating Naval Programmes in Europe**
Guilia Tilenni
- 36 **The Time for Comprehensive Changes has Come**
Dr Nenad Miloradović

■ ARMED FORCES

- 38 **Major Procurements Mask Immediate Equipment Concerns for Canada**
David Saw
- 42 **The British Army – Still Searching for a Sense of Direction?**
David Saw

■ ARMAMENT & TECHNOLOGY

- 46 **Silent Struggle: Accounts from the Frontlines of Ukraine's Electronic War**
Mark Cazalet
- 58 **Clouds on the Horizon**
Thomas Withington
- 64 **Through the Looking Glass**
Tamir Eshel
- 68 **Future Soldier Systems: Current Programmes**
Sidney E. Dean
- 74 **Preparing Tactical Command Posts for the Next War**
John Antal
- 78 **The Future of Persistent Ground Surveillance**
Tamir Eshel
- 84 **Heavens Above!**
Thomas Withington
- 88 **Decontamination and Returning to Service**
Dan Kaszeta
- 94 **Apache CSP – the UK's Newest Attack Helicopters**
Tim Guest
- 98 **Next Generation Rotorcraft Capability: NATO's Joint Helicopter Development Programme**
Sidney E. Dean

- 103 **Global Combat Air Programme: an Update and future perspectives**
Guilia Tilenni
- 108 **Protector RG Mk1: Royal Air Force Gains New MALE UAV**
Sidney E. Dean
- 112 **Upwardly Mobile: VTOL and Tiltrotor Technology Developments**
Sidney E. Dean
- 116 **Sniper Rifles – Scoping the Field**
David Saw
- 120 **Towards a New UK Weapon-Locating Capability**
Tim Guest
- 124 **Sky Sabre: A Landmark in UK GBAD Capability**
Doug Richardson
- 130 **Solving the British Artillery Capability Gap – the Mobile Fires Platform**
David Saw
- 134 **Arquus Proposes Hybrid Tank Engine Upgrade Solutions**
David Saw
- 138 **New Guns, Missiles and Laser Systems for Naval Inner Layer Defence**
Luca Peruzzi
- 146 **Offshore Patrol Vessels: The Swiss Army Knife of Modern Navies**
Jean Auran
- 152 **Staying Ahead of the Game: Type 26 Targets Evolving ASW Challenge**
Dr Lee Willett
- 156 **Type 31/Arrowhead 140 Frigate Programmes: Status Report**
Conrad Waters
- 162 **On Patrol: Poseidon Brings Enhanced MPA Capability**
Dr Lee Willett
- 168 **Mapping Activity Patterns: Using Technology and Information to Secure Seabed Infrastructure**
Dr Lee Willett
- 172 **By Stealth to the Shore**
Peter Felstead
- 176 **Nuclear Options**
Tim Guest

■ COLUMNS

- 1 **Word from the Editor**
- 3 **Masthead**
- 4 **ESD Spotlight**
- 14 **Firms & Faces**

Index of Advertisers

Aimpoint	73
AM General	25
Arqus	7
Aselsan	11
Bittium	59, 85
Bofors	145
Collins Aerospace	49
CTAi	139
Defense & Security	135
Diehl Defence	143
EDEX	141
ESG	107
Euronaval	159
Eurosatory	57
EVPÚ Defence	83, 151
Exail	31
FCMS	105
Future Forces Forum	87
GSOE	171
Hirtenberger	15
IAG	131
IAI	2 nd Cover, 129
IAV	45
IDV	23
Index	155
Inertial Labs	133
International Fighter Conference	167
Invisio	63
Kallman	93
KNDS	21
Leonardo	5, 9
MarineAlutech	33
Milipol	137
NBCSys	91
Northrop Grumman LITEF	81
Nurol Makina	29
NVL	147
Oshkosh	27
Patria	35
Photonis	79
PikAS	127
Prof1Group	119
Raytheon Elcan	69, 117
Rheinmetall/Uvision	19
TechNet Europe	123, 179
TRD	75
Vected	65
Viasat	17
WB Group	4 th Cover
Weibel	125
Will-Burt	67, 77
World Defense Show	41
Yugoimport	3 rd Cover, 101

Masthead

European Security & Defence

Issue 9/2023, September 2023

ISSN 1617-7983 - www.euro-sd.com

Published by



Mittler Report Verlag GmbH

A company of the TAMM Media Group

Office Address:

Mittler Report Verlag GmbH

Beethovenallee 21, 53173 Bonn, Germany

Phone.: +49 228 35 00 870, Fax: +49 228 35 00 871

info@mittler-report.de, www.mittler-report.de

Managing Director: Peter Tamm

Editorial Team

Publisher and Editor-at-Large: Stephen Barnard (sb)

Editor-in-Chief: Mark Cazalet (mc)

News Editor: Peter Felstead (pf)

Editorial Staff: Waldemar Geiger (wg, Infantry, Industry), Wolfgang Gelpke (wge), Gerhard Heiming (gwh, News, Land Forces), Ole Henckel (oh), Rolf Hilmes (rh, Army Technology), Lars Hoffmann (lah), Hans-Uwe Mergener (hum, Naval Forces)

Copy Editor: Christian Kanig (ck)

Regional Correspondents

Belgium/EU/NATO: Joris Verbeurgt (jv), **Brazil:** Roberto Guimarães de Carvalho (rgc),

Denmark: J. Bo Leimand (jbl), **France:** David Saw (ds), **Georgia:** Beka Kiria (bk),

India: J C Menon (jcm) **Israel:** Tamir Eshel (te), **Italy:** Luca Peruzzi (lp),

Japan: Shinichi Kiyotani (sky), **The Netherlands:** Jaime Karremann (jk),

Poland: Grzegorz Sobczak (gs), **Portugal:** António Brás Monteiro (abm),

Spain: Esteban Villarejo (ev), **Taiwan, North & East Asia:** JD Kitsch (jdk),

Turkey: Korhan Özkilinc (kÖ), **UK:** Christopher Foss (cf), Tim Guest (tg),

Ukraine: Alex Horobets (ah) **USA:** Sidney Dean (sd), Chet Nagle (cn)

Layout:

AnKo MedienDesign GmbH, Germany

Production:

Lehmann Offsetdruck und Verlag GmbH, 22848 Norderstedt, Germany

Advertising, Marketing and Business Development

Achim Abele

Phone: +49 228 25900 347

a.abele@mittler-report.de

Stephen Barnard

Phone: +49 228 35 00 886, Mobile: +44 7984 033154

s.barnard@mittler-report.de

Stephen Elliott

Phone: +49 228 35 00 872, Mobile: +49 1590 173 0346

s.elliott@mittler-report.de

Exhibition Management and Advertising Administration: Renate Herrmanns

Advertising Accounting: Florian Bahr

Subscription/Reader Service:

PressUp GmbH, PO Box 70 13 11,

22013 Hamburg, Germany

Phone: +49 40 38 66 66-319, Fax: +49 40 386666-299

Email: mittler-report@pressup.de

European Security & Defence, ©2023 Mittler Report Verlag GmbH

All rights reserved. No part of this publication may be reproduced without prior written permission of the publisher in Bonn.

Cover Photo: A battery of L118 105 mm Light Artillery guns manned by 103 Regiment (V) Royal Artillery opens fire during a military pageant.

Credit: UK MoD

Annual subscription rate: €113.00 incl. postage

Reduced annual subscription rate for distribution in Germany:

€95.00 incl. postage