Leading Lights



The primary driver for Lead-in Fighter Trainers (LIFT) and Light Combat Aircraft (LCA) is the increasing cost and sophistication of advanced combat aircraft. Page 78

Bringing Real Capability to the Fleet



Unmanned Maritime Systems for Naval Applications - new programmes, new contracts, and new platforms combine to mark a "step change" in the sector.

Page 85

SECURITY POLICY

10 NATO's Warsaw Summit Klaus Olshausen

- 18 Ireland's White Paper on Defence 2015 Conrad Waters
- 24 **The Iran Nuclear Deal** Sven-Eric Fikenscher and Jonas Schneider

ARMED FORCES

28 Proliferation of WMD and Defending Against CBRN Threats

Wolfgang Rudischhauser

- 34 Critical Trends in NATO Battlefield Intelligence Koen Gijsbers and Matt Roper
- 38 Understanding Data and Buying Capability Interview with Terry Halvorsen, Chief Information Officer, US Department of Defense
- 40 **8th Annual Warrior Competition**Bob Morrison

ARMAMENT & TECHNOLOGY

- 42 **Getting There First, With the Most....**Tim Mahon
- 46 International Cooperation Pays off Arie Jan De Waard
- 48 **Utility Helicopters Pickup Trucks of the Sky** Doug Richardson
- 53 "We have to improve, be creative and think the impossible!"

Interview with Lieutenant General Norbert Gehart, Director General and National Armaments Director, Directorate General III Assets Provision, Ministry of Defence, Austria

- 54 **Big Guns for Dangerous Times**Tim Guest
- "Role-specialisation at the level of defence tasks or capabilities is not a strategy we will pursue." Interview with Morten Tiller, Deputy Secretary General and National Armaments Director, MoD Norway

60 Spies in the Sky

Doug Richardson

62 "The BOXER programme serves as a good example of successful international armaments cooperation."

Interview with Lieutenant General Benedikt Zimmer, Director-General of Equipment, Information Technology and In-Service Support, Federal Ministry of Defence Germany

64 European Naval Aviation

Conrad Waters

68 "Spain has a long tradition in international procurement programmes."

Interview with Lieutenant General (Army) Juan Manuel García Montaño, Director General de Armamento y Material, Ministry of Defence, Spain

70 Class F-110 New Generation Frigates for the Spanish Navy

Nuria Fernández

73 "The possibility for partnerships is an essential requirement in selecting a new fighter aircraft."

Interview with Lieutenant-General Niels Bundsgaard, Commanding General, National Armaments Director, Danish Defence Acquisition and Logistics Organisation

74 ROTTERDAM Class LPD

Jaime Karremann

78 Leading Lights

The Relevance of Lead-In Fighter Trainers & Light Combat Aircraft David Saw

David Javv

82 **Robust Smart Devices for Military Clients**Dorothee Frank

■ INDUSTRY & MARKETS

- 85 Unmanned Maritime Systems for Naval Applications
 Bringing Real Capability to the Fleet
 Bob Nugent
- 90 Combat Edge

Eurofighter TYPHOON's Capability Journey Hits Full Throttle Volker Paltzo

VIEWPOINT FROM...

22 Tbilisi: Waiting on the 2016 NATO Warsaw Summit

Beka Kiria

Tallinn: Estonia Seeking Signals of Solidarity - Preferably in Boots

Liivi Reinhold

Nicosia: Cyprus Moves Towards Financial Stability and Reunification

Dimitrios Angelopoulos

COLUMNS

- 3 **Editorial**
- **Periscope**
- 93 Firms & Faces
- 96 **Preview**

List of Advertisers

ATM ComputerSysteme GmbH	57
Bren-Tronics, Inc.	9, 45
Ceska zbrojovka a.s. (CZ)	I - VIII
Close Combat Symposium	94
Defense & Security 2017	52
Eurofighter Jagdflugzeuge GmbH	21
Euronaval 2016	2
FLIR Systems, Inc.	17, 47
FMV	7
FNSS Savunma Sistemleri A.Ş.	15
IDEAS 2016	95
ISDEF 2017	81
Israel Aerospace Industries Ltd. (IAI)	ОВС
MSPO 2016	8
Plasan Sasa Ltd	51
Peli Products, S.L.U.	49
Qioptiq Ltd.	37
Rockwell Collins Inc.	35
Rheinmetall MAN Military Vehicles	11
ThyssenKrupp Marine Systems GmbH	87
Tyron Runflat Ltd	43

Masthead

European Security & Defence

Issue 3/2016 ISSN 1617-7983 · www.euro-sd.com

Published by



Mittler Report Verlag GmbH A company of the Tamm Media Group

Editor-in-Chief: Dr. Peter Bossdorf (pb) Deputy Editor-in-Chief: Henning Bartels (hb) Managing Editor (Magazine): Stephen Barnard (sb) Managing Editor (Newsletter): Dorothee Frank (df) Industrial Editors: Jürgen Hensel (jh), Gerhard

Heiming (gwh), Dieter Stockfisch (ds)
Correspondents: Rolf Hilmes (Army Technology), Peter Preylowski (Airborne Systems)
Regional Correspondents: Tamir Eshel (Israel), Tim Guest (UK), Beka Kiria (Georgia),
Shinichi Kiyotani (Japan), Yury Laskin (Russia), J. Bo Leimand (Denmark), Jay Menon
(India), Chet Nagle (USA), Luca Peruzzi (Italy), David Saw (France)
Supported by the editorial team of "Europäische Sicherheit & Technik" Publishers: Kainer Metzner, Henning Bartels

Layout:

davis creativ media GmbH, Bonn, Germany

Lehmann Offsetdruck GmbH 22848 Norderstedt, Germany

Office address:

Mittler Report Verlag GmbH Baunscheidtstraße 11, 53113 Bonn, Germany Phone.: +49 228 3500870, Fax: +49 228 3500871 Email: info@mittler-report.de, www.mittler-report.de

Director of Marketing

Jürgen Hensel (jh) Baunscheidtstraße 11, 53113 Bonn, Germany Phone: +49 228 3500876, Fax: +49 228 3500871 Email: juergen.hensel@mittler-report.de

Advertising Representatives:

Dipl.-Betrw. Uwe Nemeyer, optiproject GmbH -Agentur für sicherheitspolitische und wehrtechnische Kommunikation Von-Imhoff-Weg 5, 53359 Rheinbach, Germany Phone: +49 2226 909637, Fax: +49 2226 909653 Email: uwenemeyer@optiproject.de, www.optiproject.de

Israel

Tamir Eshel

P.O.Box 2696, Qadima 609200, Israel Phone: +972 54-450-8028 Email: tamir.eshel@mittler-report.de

Turkey

Özkilinc Consulting

Korhan Özkilinc, General Manager Breitestr. 97, 58452 Witten, Germany mobile: +49 (0) 163 6930925 Email: korhan.ozkilinc@mittler-report.de

UK/Ireland/Eastern Europe:

Stephen Barnard, c/o Mittler Report Verlag GmbH Phone: +49 228 35 00 886 Email: stephen.barnard@mittler-report.de

USA/Canada:

Black Rock Media, Inc., Diane Obright 810 Val Sereno Drive, Olivenhain, ČA 92024, USA Phone: +1 858-759-3557, Email: blackrockmediainc@icloud.com

Laguk Co., Yury Laskin, General Director Krasnokholmskaya Nab., 11/15, 132, RF-109172 Moskau, Russian Federation Phone: 007-495-911-1340, Fax: 007-495-912-1260, Email: ylarm-lml@mtu-net.ru

Subscription/Reader Service:

PressUp GmbH, Postfach 70 13 11,

22013 Hamburg, Germany Phone: +49 40 38 66 66-319, Fax: +49 38 66 66-299

Email: mittler-report@pressup.de

European Security & Defence © 2016 Mittler Report Verlag GmbH

The views expressed are not necessarily those of the editor or publisher. All rights reserved. No part of this publication may be reproduced without prior writ-ten permission of the publisher in Bonn.

Cover Photo: Airbus Helicopters, US Army, Gov UK

Annual subscription rate (6 issues): €49.80 incl. postage