

Preface

- Advanced Technologies for German Land Forces** 3
Wilfried Lorenz, MP and Member of the Defence Committee of the German Bundestag

Forewords

- Future Capabilities of German Land Forces** 6
Lieutenant General Jörg Vollmer, Chief of Staff, German Army
- Modern Material and High-End Protection – Key Elements for all Military Capabilities** 9
Lieutenant General (ret) Roland Kather, President, Association of the German Army

Mission and Development

- The Bundeswehr Medical Service in Missions** 10
Lieutenant General MC (ret) Dr. med. Ingo Patschke, former Chief of Staff Bundeswehr Medical Service
- Army Development – Holistic, System-Based and Focused on the Future!** 14
Major General Wolfgang Köpke, Director of the Army Concepts and Capabilities Development Centre

Armament Projects

- Equipment Planning in the German Army – Capability Management** 20
Framework Conditions for an Equipment Planning that is in line with Security Policy
Lieutenant Colonel (GS) Stefan Wind, Chief of Branch “Materiel Capability Management”
in the German Army Headquarters

Protection and Mobility

- The Significance of Protected Mobility for Ground Forces** 25
Colonel (ret) Dietmar Klos, Mittler Report Verlag
- Vehicle Protection** 31
Dr. Henrik Küpker-Born and Peter Heeger, Bundeswehr Technical Center (WTD) 91
- Logistics Vehicles for the European Market** 36
Colonel (ret) Michael Horst and Lieutenant Colonel (ret) Gerhard Heimig, Mittler Report Verlag

Command and Control

- The Challenging “Last Mile” for Land Forces** 43
Dorothee Frank, Mittler Report Verlag
- Communications für Mobile Units** 45
Lieutenant Colonel (ret) Theodor Hodouschek, Mittler Report Verlag

Reconnaissance

- Scouting and Battlefield Reconnaissance in the German Army** 47
Lieutenant Colonel (ret) Theodor Hodouschek, Mittler Report Verlag

Effects

- Combat Troops of the German Army** 50
Colonel (ret) Dietmar Klos, Mittler Report Verlag

The Airmobile Forces of the German Army 56
Colonel (ret) Dietmar Klos, Mittler Report Verlag

The Puma Armoured Infantry Fighting Vehicle – Procurement and In-Service Management under One Roof 60
Technischer Oberregierungsrat Mark Mozer, BAAINBw

Guns'n'Gear from Germany: Enhancing the Infantry's Toolbox 65
Dr. Jan-P. Weisswange, Mittler Report Verlag

Support

Selected Capabilities of the German Army's Corps of Engineers 74
Lieutenant Colonel Jochen Gumprich, Branch III 3,
Army Concepts and Capabilities Development Centre

The Bundeswehr and its Interservice Function in the Field of Explosive Ordnance Disposal Tasks – Approach – Capabilities 78
Team of authors, Army Concepts and Capabilities Development Centre

Company Profiles and Projects

Night Vision Technology for Reconnaissance and Targeting 82
AIM Infrarot-Module GmbH

Display Technology for Work under Extreme Conditions 83
ATM Computer-Systeme GmbH

High Performing Multi-Hit Solutions for Every Mission 85
CeramTec-ETEC GmbH

Iveco Defence Vehicles Meet All Military Requirements 88
IVECO Defence Vehicles S.p.A.

Blackout-Switch with Infrared-Function: Global Novelty from Kissling! 90
KISSLING ELEKTROTECHNIK GmbH

Armoured Infantry Fighting Vehicle Puma Pounces 91
PSM Projekt System & Management GmbH

Individual Support Programmes for a Long Product Life – Keeping Life Cycle Costs under Control 93
RENK AG

Tactical Radiocommunications in the Information Age 95
Rohde & Schwarz GmbH & Co. KG

Future Trends

European Modular Missile – The European Solution for the Requirements of a Future Helicopter Armament 97
Colonel (ret) Michael Horst, Mittler Report Verlag

Imprint

Defence Technology Review 4/2015
September 2015

Publishing House:
Mittler Report Verlag GmbH
Bonn, Germany
a company of the Tamm Media Group



Managing Directors:
Dr. Peter Bossdorf
Thomas Bantle
Peter Tamm

Managing Editor:
Michael Horst

Editorial Team:
Gerhard Heimig
Theodor Hodouschek
Dorothee Frank
Dietmar Klos
Christina Ostermann
Wilhelm Bocklet

Translation:
Jürgen Hensel
Robert D. Robin
Bundessprachenamt

Layout:
davis creativ media GmbH
www.davis-creativ-media.de

Editorial Office:
Mittler Report Verlag GmbH
Baunscheidtstraße 11, D-53113 Bonn
Phone: +49(0)228 35 00 870
Fax: +49(0)228 35 00 871
E-Mail: info@mittler-report.de
Web: www.mittler-report.de

Subscription/Reader Service:
PressUp GmbH, Postfach 70 13 11,
D-22041 Hamburg
Phone: +49 (040) 41448-471,
Fax: +49 (040) 41448-499
E-Mail: mittler-report@pressup.de

Advertising Management:
Dipl.-Betw. Uwe Nemeyer
optiproject GmbH
Vom-Imhoff-Weg 5, D-53359 Rheinbach
Phone: +49 (2226) 90 96 37
E-Mail: uwenemeyer@optiproject.de

Production:
DZA Druckerei zu Altenburg GmbH
D-04600 Altenburg

Single Copy Price: €14.80
(shipping not included)

Pictures/Illustrations:
Authors, unless otherwise referenced

Copying of any part of this publication
without the express authorisation by the
publisher is prohibited.