## Contents

**Opinion**
- Private Military Security Companies – Shedding the Mercenary Reference? .......................... 6
  Andrew White
- The Race for the Next President .......................................................... 6
  Brian Kall
- A Merger of Innovation .......................................................................... 8
  Andrew Drwiega
- Why Are We Training? ............................................................................ 9
  Tim Mahon
- India's New Defence Procurement Procedure (DPP) Will Seek “Negotiated Solution” Rather than Blacklist Accused Firms........ 10
  Bindiya Thomas

**Industrial Focus .................................................................................... 12**

### Personal Statements by the Chiefs of Defence

- Maj.Gen. Walid Salman, Lebanese Armed Forces Chief of Staff......................... 33
- Adm. Haakon Bruun-Hanssen, Chief of Defence Norway........................................... 36
- Gen. Mieczyslaw Gocul, Chief of the General Staff of the Polish Armed Forces................ 37
- Gen. Artur Neves Pina Monteiro, Chief of General Staff Portuguese Armed Forces........ 39
- Gen. Ljubisa Dikovic, Chief of the General Staff of Serbian Armed Forces.................. 40
- Gen. Adm. Fernando García Sánchez, Chief of the Spanish Defence Staff.................. 42
- Gen. Sverker Göranson, Supreme Commander of the Swedish Armed Forces................. 44
- Col. Gen. Viktor Muzhenko, Chief of the General Staff – Commander-in-Chief of the Armed Forces of Ukraine........................................ 46
- Gen. Sir Nicholas Houghton, Chief of the Defence Staff of the British Armed Forces........ 48
- Gen. Martin E. Dempsey, Chairman, Joint Chiefs of Staff........................................ 50

### Topic (1): Annual EO/IR Feature

- Seeing the Target – Electro-Optical/Infra-Red (EO/IR) Developments ......................... 54
  Andrew White and Dennis-P. Mercklinghaus

### Topic (2): Soldier Communications

- Soldier Communications – Agility, Flexibility and Networkability ........................... 66
  Tim Mahon
- Seamless Interoperability – State-Of-The-Art Radios for Tactical Communications........ 68
  Brian Kindamo

### Topic (3): Defending the First Island Chain

- Defending the First Island Chain...................................................................... 78
  Pieter Bastiaans
- Taiwan’s Military Procurement......................................................................... 82
  Robert Czulda
Contents

Features

Global Assault Rifle Market Report – Assault Rifles in Modern Operations .............................................. 86
David Saw and Andrew White

Field Camps for Military, Disaster Relief, Peacekeeping and Other Purposes. ........................................ 95
David Oliver

Containers – Delivering Everything Needed for Military Operations .................................................. 100
Peter Donaldson

Zapping the Target: High-Energy Laser Weapons Come of Age ............................................. 106
Andy Oppenheimer

USMC Focus

Forward Deployed Marines are Well-Trained, Well-Led and Well-Equipped, but We Have to Make Tough Choices ........................................... 113
Gen. Joseph F. Dunford, Jr., Commandant of the US Marine Corps

Amphibious Vehicles – The Ship to Shore Objective .......................................................... 114
Massimo Annati

Amphibious Enhancer: US Navy’s Ship-to-Shore Connector Programme is Underway ...................................... 118
Marty Kauchak

Subtle but Critical Vehicle Systems - Developments in Engines, Drivetrains and Related Components in Armoured Infantry Fighting Vehicles, Main Battle Tanks and Other Heavy Vehicles ........................................... 119
Marty Kauchak

“My business is readiness …” ........................................... 123
Interview with USMC Deputy Commandant Lt.Gen. Jon Davis

Spotlight on Romania

Defence From and For Romania ........................................... 125
Eugene Kogan

Company Snapshots

AEI Systems – Innovative Gun Systems Have are Vital in Giving Infantry an Edge ........................................... 94
Interview with Simon Angel, Managing Director AEI Systems

Rafael Advanced Defense Systems Continues to Develop More Ground-Breaking Technologies ............. 104
Interview with Rafael Advanced Defense Systems President and CEO V.Adm. (Ret.) Yedidia Yaari

MKU - Developing New Technologies to Stay Ahead of the Technology Curve ........................................... 111
Interview with Manoj Gupta, MKU Chairman

Cubic Optimistic that Demand for Military Training Will Remain Strong ........................................... 134
Interview with Manoj Gupta, MKU Chairman

“SCORPION offers the whole package, at unbeatable costs” ........................................... 20
Interview with TEXTRON AirLand CEO Bill Anderson

Lincad is Diversifying and Finds an Expanding Marketplace ........................................... 72
Dennis-P. Merklinghaus

Eurofighter TYPHOON – Providing the Backbone of Europe’s Air Power ........................................... 110
Overview of a valuable and potent multirole asset well beyond 2030

RUAG Aviation Breathes New Life into Dornier 228 Production .................................................. 112
Pieter Bastiaans

C4I Forum

A 21st Century GEOINT Portal at the Tactical Edge .................................................. 128
John Antal and Peter Donaldson

Simulation and Training Feature

Immersive Training- Addressing Current Needs and Leverages Existing Solutions .................................. 132
Tim Mahon

Special Forces Feature

Special Maritime Operations – A Unique Mixture of Traditional Maritime Special Operations and Counter-Terrorism Capabilities ..................................... 135
Brian Kindamo

Unmanned Feature

Andrew White

From the Bridge

Growing Maritime Surveillance Requirements .................................................. 140
Pieter Bastiaans

News .................................................. 144

Index of Advertisers .................................................. 146

Epiilogue .................................................. 152

COVER

Two members of the Norwegian Naval Special Operations Command during Operation “Cold Response 2014.” (Photo: Norwegian MoD)

Inserts depict: Portuguese Airbus Defence & Security (DS) C295 PERSUADER (Photo: Airbus); Peli-Hardigg’s solutions for the transport and packaging needs of the military sector comprises a large selection of durable, permanent and ecological cases, that can be reused again, and again (Photo: Peli); and an MV-22 OSPREY lands during a training exercise to recover personnel in Southwest Asia, 28 July 2013. (Photo: US Army National Guard/Army Sgt. Michael Needham)