



# MILITARY TECHNOLOGY

**Editorial:**  
**The IS Caliphate's Blitz of the Middle East**..... 2  
 Dennis-P. Merklingshaus

## Opinion

**For Russia, Georgia is Not "Never", Just "Not Now"**..... 4  
 Gavin Don

**Disaster Every Time Rebel Groups Gets Hold of High-End Military Technology**..... 4  
 Peter Donaldson

**Chaos Engulfs the Middle East** ..... 5  
 Gen. Salim Abou Ismail

**Industrial Focus** ..... 6

## Topic

**Soldier Modernisation Programmes**..... 12  
 Dennis-P. Merklingshaus

**ATK - Continually Providing Soldiers With a Tactical Advantage** . 20  
 Interview with Dan Olson,  
 Vice President and General Manager, ATK Armament Systems

## Spotlight on South Africa

**Taking All Measures to Ensure the Defence Force is not Handicapped in the Execution of its Mandate** ..... 24  
 Ms. Nosiviwe Noluthando Mapisa-Nqakul  
 Minister of Defence and Military Veterans

**South African Air Force (SAAF) Procurement and Plans**..... 27  
 Guy Martin

## Chiefs of Africa Interview Series (3 of 5)

**The Gambian Navy - A Wide-Ranging Perspective on Management of Naval Assets** ..... 33  
 Interview with Cdre. Madani Senghore,  
 Commander in Chief of the Navy of Gambia

## Spotlight on the USMC

**Designing a Marine Corps for the Future Under a Fully Sequestered Budget** ..... 34  
 General James F. Amos, 35th Commandant of the USMC

**Winning the Tough Budget Battle - The USMC Challenge** ..... 35  
 Marty Kauchak

**RIMPAC 2014 - Creating a Better Future War-Fighting Environment for the USMC** ..... 36

**Textron Airland's SCORPION Really is a New Player!** ..... 39  
 Interview with Textron Airland's SCORPION jet Engineering  
 Test Pilot Don Parker

## Spotlight on Indo Pacific

**Self-Reliance: An Outdated and Unaffordable Concept for the Australian Defence Force** ..... 40  
 Brig.Gen. Dan Fortune

**Transforming the Australian Army to Meet a New Security Environment** ..... 44  
 An Analysis of the Future Land Warfare Report 2014  
 Dennis-P. Merklingshaus

**Security Challenges to South-East Asia and the Prospects of Conflict** ..... 46  
 Sanu Kainikara

**Philippine Defence Modernisation Continues** ..... 50  
 David Saw

## C4I Forum

**Battlefield Encryption**..... 52  
 Thomas Withington

## Safety & Security Feature

**Border Protection - Countering Terror Movements**..... 54  
 Andy Oppenheimer and Dennis-P. Merklingshaus

**From the Bridge**..... 62

**News**..... 64

**Epilogue**..... 72

## COVER

Three Marine CH-53E Super STALLION helicopters approach for landing at the Marine Corps Training Area Bellows, 28 July. Twenty-two nations, more than 40 ships and submarines, more than 200 aircraft and 25,000 personnel are participating in the biennial Rim of the Pacific (RIMPAC) exercise 29 June-3 August, in and around the Hawaiian Islands. The world's largest international maritime exercise, RIMPAC provides a unique training opportunity that helps participants foster and sustain the cooperative relationships that are critical to ensuring the safety of sea lanes and security on the world's oceans.



**Inserts: A Royal Australian Air Force (RAAF) C-17A GLOBEMASTER takes off from RAAF Base Amberley. (Photo: Australian DoND) The NORMANS Soldier System has been developed and industrialised according to the needs and specifications of the Norwegian Defence Research Establishment (FFI) and the Telemark Battalion (TmBn). (Photo: Thales)**

## INDEX OF ADVERTISERS

ACLIMA AS.....	13
Airbus Defence and Space .....	25
BOEING .....	3
CST - Copenhagen Sensor Technology A/S.....	57
Flir Systems, Inc.....	3rd cover
FN Herstal SA.....	2nd cover
Iteca- ADEX .....	43
Leafield Environmental Ltd.....	9
L3 Communications WESCAM.....	7
ODU Steckverbindingssysteme GmbH & Co. KG .....	21
Omega .....	59
POF - Pakistan Ordnance Factories .....	28
Rafael.....	4th cover
RUAG Schweiz AG.....	15, 29
SAAB AB.....	63
Tsniitochmash.....	31