

European Security & Defence

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Defence and Security in South Africa

To mark this year's AAD exhibition in Pretoria, this issue will feature a series of articles considering South Africa's

- Defence and Security Policy
- Armed Forces Modernisation and Procurement Programmes
- Defence Industrial Base.

Sea

Blue Water Naval Ships

To mark this year's Euronaval exhibition in Paris Conrad Waters discusses design criteria for major surface combatants and reports on the status of current programmes within NATO.



Protection Concepts for Naval Vessels

Protection concepts for naval vessels consider signature management, ballistic protection, EW, decoys, defensive weapons and the associated sensor fit.

Other subjects include:

- European Naval Industry Initiatives
- Refugee Rescue at Sea
- Naval Guns
- Naval Combat Management Systems
- Land Attack Missiles

Joint Forces/Land

Mine/IED-Protected Vehicles



The huge number of different types of armoured vehicles on display at this year's Eurosatory exhibition reflects a growing global need for protection on the move. The article considers concepts for mine and IED protection.

Land Mine Detection and Clearance

Detection and clearance of land mines is subject to both humanitarian (anti-personnel) and military (antitank mines) operations. Status of technology and equipment in service.

Grenade Launchers

Grenade launchers, both automatic and add-on to assault rifles, are standard infantry equipment against unarmoured, lightly armoured and point targets. A look at the equipment status of Western armies.

Other subjects include:

- Large-Calibre Ammunition Developments
- Force Multiplication Options
- SP Artillery - Global Developments
- Gunnery Simulation and Training
- Portability Options for Mission Equipment

Air

Air-to-Air Missile Developments

No matter whether short-, medium or long-range, there are three key elements that are crucial for the performance of the weapon system: seeker head, warhead and propulsion system. The article looks at current developments, East and West.



Other subjects include:

- UAS Detection and Countermeasures
- European SHORAD Systems

Regional Reports

The Swiss Army

In Switzerland the term Army (Armee) comprises all branches of the forces, which will become subject to significant modernisation efforts in the 2020s: The shopping list has combat aircraft, artillery systems, reconnaissance vehicles, wheeled AFVs, and more.

Other subjects include:

- Equipping the Ukraine
- Azerbaijani Defence and Security Industry

Technology

Cyber Warfare

Cyber space constitutes a new combat environment, the importance of which is rapidly increasing. Threat scenarios and defensive concepts.

Battlefield Electronic Warfare

Information superiority, generated by - among others - means of SIGINT, ESM and ECM - is a prerequisite for the successful accomplishment of military missions. The article looks at today's EW environment.

Other subjects include:

- Electric/Hybrid Options for AFVs
- 3-D Printing for Military Applications

Programme Subject to Modification

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