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ANTares – simulated tactical and operational training for combined forces

More realistic than ever, modern simulation technology makes a major contribution to readying our soldiers for deployed operations – from individual instruction in equipment operation to tactical leadership exercises for major formations.

A good example of a multifaceted, flexibly deployable simulation system is Rheinmetall's mobile Advanced Network Trainer (ANTares), a top-of-the-line tactical training system. Besides crew coordination training, ANTares permits tactical mission preparation for entire expeditionary units, even when deployed in in-country.

Whether main battle tanks, transport helicopters, ground control stations for unmanned aerial vehicles or the bridge of a frigate, the Rheinmetall Group's advanced modular cubicle concept makes it possible to network a vast array of land, air and naval weapons system simulators for sophisticated tactical training operations.

The system also takes into account the vital importance of an up-to-date database for effective mission rehearsal. Drawing on the latest reconnaissance data, the intelligent workflow of Rheinmetall's "Rapid Generation Database" automatically generates the required 3D virtual world in a matter of hours.

Moreover, systematic use of commercial off-the-shelf components significantly reduces system lifecycle costs, combining reasonably priced, flexibly configurable, requirement-oriented simulation with future-proof expandability thanks to standard interfaces.

At LAAD 2013, a highly detailed model of the ANTares system will be on display at the Rheinmetall stand.

Simulation and training technology from Rheinmetall: where virtual reality and the real world converge

With over 2,000 systems in operation worldwide, Rheinmetall offers a comprehensive portfolio of products ranging from low-cost computer-supported training systems to state-of-the-art full mission simulators for surface combatants, submarines, aircraft and ground systems.

Rheinmetall Defence provides a complete range of live, virtual and constructive simulation capabilities that ensure top-quality training at all levels – from individual instruction to fully networked joint and combined forces exercises covering the entire spectrum of modern operational sequences and scenarios.

Building on its tremendous experience and extensive expertise, Rheinmetall Defence effectively bridges the gap between virtual reality and the real world, providing cutting edge training solutions that make sure personnel are optimally prepared for their next mission.

For over 35 years, Rheinmetall has been supplying the world's armies, navies and air forces with simulation and training systems, steadily working to fine-tune and perfect them. Created by one of the most trusted names in the defence technology industry, a varied selection of the Group's products will be on show 9-12 April 2013 at LAAD, one of South America's top military technology venues.

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