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## **Rheinmetall Simulation Australia signals strengthened commitment “Down Under”**

With over 2,000 systems in service worldwide, Rheinmetall offers a comprehensive array of live, virtual and constructive simulation products ranging from low-cost computer-based training systems to highly advanced full-mission simulators for surface combatants, submarines, land and aerial platforms as well as live training for land and air applications. It is a leader in simulation capabilities for fully networked joint and combined exercises.

### **Simulations ranging from crew training up to joint tactical mission training**

Rheinmetall's recently released Advanced Network Trainer (ANTares) is a mobile tactical training system designed to network an extensive array of weapon system simulators, including land, sea and air assets to enable sophisticated joint training operations. Thanks to Rheinmetall's modular cubical concept, the technologically advanced design makes it possible to provide advanced crew coordination training at home base as well as to provide deployable mission rehearsal capabilities to prepare entire units, in country, for operational deployment. The simulation cubicles can be installed in a dedicated facility or into standard size shipping containers as plug & play units, resulting in a highly configurable ANTares training system. ANTares containers can be transported to the area of operations by road, rail, air or sea.

The ANTares system also takes into account the vital importance of up-to-date databases for efficient mission rehearsal. In a matter of a few hours, the intelligent workflow from Rheinmetall's Rapid Generation Database can automatically produce the required virtual 3-D world based on the latest reconnaissance data.

Rheinmetall's generic “Demonstrator for Gunnery and Combat Simulation”, which will be on display at Land Warfare Conference (LWC) 2012, clearly shows Rheinmetall's expertise in the simulation of tank and infantry fighting vehicles for crew training.

This demonstrator features the Rheinmetall simulation system TacSi as its simulator core and an integrated VBS2 visualisation system.

### **LIVE – realistic combat simulation in the field**

High-tech simulation does not require buildings or containers, fitted with virtual training environments. It is equally applicable to operations in the field using original

equipment and weapons in live combat simulation scenarios. State-of-the-art communications, power management technology and laser duel simulators are at the heart of these cutting edge training systems. They accurately replicate the effects of live fire from all weapon systems, including small arms and light antitank weapons, tank main armament, howitzers and IFV-mounted automatic cannon. A networked operations centre records all movements, actions and hits of vehicles and exercise participants as well as radio traffic, enabling comprehensive post action analysis and assessment of the exercise.

Since 2001 Rheinmetall has been successfully equipping and operating a major combat training centre of this type on behalf of the German Bundeswehr. More recently, the Russian armed forces and a major Middle Eastern customer have contracted with Rheinmetall to build and operate similar facilities.

### **Rheinmetall Simulation Australia**

Rheinmetall Defence is expanding its presence in Australia with the newly founded subsidiary Rheinmetall Simulation Australia Pty Ltd., which is headquartered in Adelaide. The new company underscores its commitment to providing customers with comprehensive advice and support in all aspects of simulation and training technology.

The move represents another step in Rheinmetall Defence's progressive internationalisation and systematic expansion into key markets. The Düsseldorf-based German Group has production and sales units in numerous European countries, the United States and Canada, the United Arab Emirates, South Africa and Asia.

Rheinmetall Simulation Australia is a wholly owned subsidiary of German defence and automotive company Rheinmetall AG, which has an annual turnover of approximately €4 billion (A\$ 5 billion). Rheinmetall Defence's business unit Simulation and Training is Europe's second largest simulation and training company and the largest supplier of defence simulation equipment for land warfare operations.

Rheinmetall Simulation Australia will provide advanced simulation based training products and services to the Australian armed forces in the maritime, air and land environment and plans to aggressively grow the company to be the major supplier of these products in the region and to become the preferred partner of the Military.

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