RHEINMETALL DEFENCE

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"Deep Blue Sea" – Havelsan and Rheinmetall Team to supply Turkish Navy with Submarine Diving Simulator

The Turkish Undersecretariat Defence Ministry (SSM) has contracted with Havelsan, the Turkish military software and systems company, and Rheinmetall Defence of Germany, to supply the Turkish Navy with a submarine diving simulator (SDS) for its PREVEZE and GÜR 209-class submarines.

Havelsan teamed with Rheinmetall on account of the Düsseldorf, Germany-based Group's extensive experience in conventional submarine control simulation (SCS) technology. This in turn prompted SSM to select the partners to supply the Turkish Navy with a state-of-the-art submarine diving simulator. Following a three-year selection process, SSM officially awarded the contract on 3 October 2012.

As Havelsan's sole major foreign subcontractor, Rheinmetall's Simulation and Training business unit brings to the project special technological expertise and experience in simulation for 209-class submarines. Rheinmetall is supplying the SDS motion system, the hydrodynamics and the support system for the 209 SDS. This SDS augments the submarine control simulator supplied to the Turkish Navy in 1990 for the earlier 1200/1400-Type U209 submarines.

The SDS will enable PREVEZE- and GÜR-class submarine crews to train on land, cutting costs and reducing operational wear and tear on actual submarines. In a controlled and safe environment, it will be possible to practise diving and surfacing procedures as well as emergency and malfunction procedures, all without risk. The recorded training sequences permit detailed pre- and post-exercise briefings, likewise contributing to improved training outcomes and assured high-fidelity training for subsequent performance of real operations.

In order to make all this possible, thirty months after receipt of the order, this 209-class SDS will be in place, adding to the existing capabilities of the Turkish Navy's Submarine Training School in Gölcük, Kocaeli in the Marmara region of Turkey. It will include a life-size replica of a submarine control room, debriefing rooms and other training facilities.

Rheinmetall is proud to have the opportunity to work with Havelsan for the first time, and looks forward to supplying the Turkish Navy with a first-class SDS for its U209-class submarine squadron.

Simulation technology from Rheinmetall

For over 35 years, Rheinmetall has been supplying the world's armed forces with simulation and training systems for naval, land and air applications, continuously perfecting its state-of-the-art solutions. With over 2,000 systems in operation worldwide, Rheinmetall offers a comprehensive array of products, ranging from inexpensive PC-supported training systems to highly sophisticated full-mission simulators for surface, subsurface, aerial and land-based platforms, extending to simulation capabilities for fully networked joint and combined operations.

Building on its tremendous experience and expertise, Rheinmetall Defence bridges the gap between virtual reality and the real world, supplying training solutions that prepare personnel for their next mission.

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