

New at DSEI 2023

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Rheinmetall Area Defence Weapon – an intelligent top-attack antitank weapon

Rheinmetall has presented a new intelligent antitank weapon. Designed to support combined arms operations, the Rheinmetall Area Defence Weapon, or ADW, is a sensor-effector system; a means of hardening tactical obstacles; and a networked weapon system for multi-domain operations.

As an intelligent antitank weapon, the ADW employs various passive and active sensors to detect and classify targets. These sensors provide a 360° surveillance capability, enabling it to function independent in its area of operation.

The ADW's effector is a SMArt 155 sensor-fuse submunition that attacks targets from above where their armour protection is weakest. This way, it can successfully engage even heavily armoured vehicles within a radius of over 100 metres.



Weighing around 25 kilos, the ADW is 234 millimetres in diameter and features a launch-hardened design. It can be emplaced by hand or from logistic vehicles, via mine dispenser system or rocket artillery. Thanks to its networked communications, it can be activated, deactivated or reactivated, and reprogrammed so that it acts as an obstacle solely for enemy forces.

The ADW combines an advanced intelligent European ITAR-free top-attack solution with a highly effective submunition.

► Key facts

- ▷ Intelligent antitank weapon
- ▷ 360° surveillance capability
- ▷ Top attack system with SMArt 155 submunition
- ▷ Sensor-effector system can operate on its own or in combination with obstacles
- ▷ Networked system designed digital land operations

► Contacts

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