



Military operations in asymmetric conflicts call for high precision and for a warhead terminal effect specifically adapted to the target. The warhead systems in the field today do not meet this requirement or only fulfil the requirement to a limited extent. What is required is a flexible warhead system capable of adapting the nature of its terminal effect according to the target type.

The present budgetary constraints and the new battlefield scenarios, especially in urban terrain, require that the same weapon system offers true flexibility in terms of the effect delivered: choosing the kind of effect or lethal area while avoiding or minimizing collateral damage. To fulfil these two criteria, TDW has developed a family of Flexible Response Warheads:

- RADIUS® - Range Adaptable Device Incorporating Unique Scaling
- Switchable Mode Warheads (Dial-a-Mode)
- Aimable Warheads (Dial-a-Direction)
- Multi-Effects Warheads (Dial-an-Effect)

The development of this new family of warhead systems covers also fuzing systems and insensitive munition aspects.

About TDW:

Since the 1950's, TDW Gesellschaft für verteidigungstechnische Wirk-systeme mbH has been developing, producing and maintaining all kinds of warheads and warhead systems as well as their associated components. With approximately 130 employees, TDW, which is a wholly owned subsidiary of MBDA Germany, operates as a full-service company at one integral site in Schrobenhausen, Germany.

- Adapted to Military Operations in Urban Terrain (MOUT)
- Development on lessons learned
- Reduce mission planning constraints

FLEXIBLE RESPONSE WARHEADS FAMILY

THE TRUE OPERATIONAL
FLEXIBILITY TO SATISFY
ALL OPERATIONAL
CHALLENGES

„the difference!“

TDW
an MBDA company



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RADIUS® - Range Adaptable Device Incorporating Unique Scaling

- Unique way of managing layered detonation and deflagration of high explosives
- Tested more than 100 times since 2009. Latest demonstration with a MK82 warhead casing
- Worldwide premier: ability to scale the lethal area delivered by a weapon system

Switchable Mode Warheads (Dial-a-Mode)

- Unique warhead offering various modes: fragmentation or perforation effects
- Wide range of targets: from soft targets to heavy armoured vehicles
- Avoidance of collateral damage

Aimable Warheads (Dial-a-Direction)

- Optimization of the lethality by focusing the blast/fragmentation effect in the desired direction
- Optimum efficiency against air targets
- Suitability against soft targets or light armoured vehicles

Multi-Effect Warheads (Dial-an-Effect)

- The ultimate lethal package combining a shaped charge, a blast/fragmentation and a penetrator effect
- One system against the broadest possible target spectrum: infrastructure, soft targets, vehicles with any level of armour
- Small collateral damage footprint

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