

TDW exhibits warhead systems for asymmetric warfare threats

For the first time, TDW, the European market leader in warhead systems is exhibiting at IDEX. TDW is a technology and innovation leader in warhead systems for guided weapons.

In 2013, the subsidiary of the missile systems company MBDA Germany was the first company in the world to successfully complete trials in the verification and demonstration of a new technology, which provides scalable and target-adapted effectiveness.

Military operations in asymmetric conflict situations call for high precision and for a warhead terminal effect that is specifically adapted to the target. Today's warhead systems do not meet this requirement or they do so only to a limited extent.

There is a requirement for a system that offers a terminal effect which can be adjusted in its nature and extent to be able to deploy the appropriate effects on any given target and operational area.

For several years, TDW has been working on identifying technical solutions to solve this issue. Engineers at TDW have now



developed a new effector technology with which armed forces can achieve scalable target-adapted effectiveness. With this kind of flexible system, armed forces are able to minimize unintended damage while maintaining high effectiveness on the target. TDW has already demonstrated that this technology works reliably in realistic environments. This success represents an important step towards more flexible, modern warhead systems for future missiles.

Flexible response warhead systems do not only include scalable warheads (Dial-a-

Yield) that can be deployed in a graduated and target-adjusted manner in urban terrain when avoiding collateral damage. Switchable Mode (Dial-a-Mode), Aimable (Dial-a-Direction) and Multi-Effects or Special (Dial-an-Effect) warheads are also included in the catalogue of this future technology.

TDW's warhead systems vitally contribute to the performance of a large variety of advanced weapon systems – for example guided weapons such as Meteor, Brimstone 2, TAURUS KEPD 350, RBS15Mk-3 and Sting Ray.

STRATEGIC IMPORTANCE OF IDEX 2015

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He said the 12th edition of IDEX - organised under the patronage of His Highness Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE and Supreme Commander of the Armed Forces – has highly significant strategic importance. "It opens channels of communication and facilitates the exchange of civil and technical expertise between government departments, institutions, private companies and armed forces in countries around the world."

He said this was the aim of IDEX and as well as ensuring its future success, noting the Abu Dhabi defence showcase is the only defence exhibition in the Middle East and North Africa. Major General Al Hashimi said deals this year are expected to eclipse the previous IDEX.

"As for the value of deals this year, we are expecting it to exceed the value achieved in the last edition of the exhibition, which amounted to 14.1 billion dirhams across 55 transactions."

Major General Al Hashimi said that during the past 22 years the number of exhibitors has increased by more than 200 per

cent - from 350 companies in 1993 to about 1,200 companies today.

The proportion of international representation at the exhibition also increased during the same period by 129 per cent, from 24 countries up to 55 countries.

Attendance increased by 130 per cent with visitors to the last IDEX reaching about 80,000.

IDEX is also hosting the first Unmanned Systems Exhibition and Conference (UMEX). The latest unmanned systems technology will be showcased, particularly unmanned aircraft.

"This has prompted about 33 local and global leading companies to participate in UMEX, including Abu Dhabi Autonomous Systems Investment Company, INSITU, a subsidiary of the Boeing Company, Denel and Shenzhen and other leading companies," said Major General Al Hashimi. This reflects the growing regional role of the United Arab Emirates, and the strategic importance of its armed forces in dealing with the latest defence technologies, he added.