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SIHAM AL KHALEEJ TECHNOLOGY, MBDA and GEM present their coastal defence system at IDEX 2015

At IDEX 2015, the UAE company Siham Al Khaleej Technology (SAKT), together with the European MBDA and the Italian GEM Elettronica is presenting an innovative and cost-effective coastal battery system.

This cooperation is part of an Head of Agreement signed during 2013 Dubai Air Show that sees SAKT as the prime contractor and system integrator, MBDA as the supplier of the launchers and the launching systems for the Marte family missile, and GEM as the coastal battery remote station system supplier.

The coastal defence system can provide both maritime coastal traffic surveillance and interdiction of territorial waters to hostile ships and can launch two different missile options: the Marte MK2/N, for those users willing to control littoral waters up to 35 Km ranges and the Marte ER for those operators requiring to extend the control in depth. The system can be connected through Data Link with an Upper Echelon of Command and Control; it can be rapidly deployed anywhere along the coast and easily redeployed in small islands.

The Coastal Battery Remote station (CBRS 100-MD) is a small size shelter-contained system, capable of operating in all weather conditions, day and night. As an option GEM is offering a TV/IIR capability to extend the overall identification performance.

The proposed system will be on display on SAKT stand, representing the baseline configuration of a Coastal Defence System that satisfies the key requirements of Surveillance, Control and Protection of sea lines of communications and protection of coastal assets.

The baseline is a very simple configuration with a minimum number of components (a very performing Surface Coastal radar, a shelter with Command & Control functions and devices, a Marte missile launcher) and reduced permanent crew requirement. The missile ammunitions of the Marte family will be supplied directly by MBDA.

Notes for editors

SIHAM AL KHALEEJ TECHNOLOGY

SIHAM AL KHALEEJ TECHNOLOGY is a UAE company focused on designing, manufacturing, assisting the integration and after-sales support of best-in-class Maritime System solutions, focusing on transfer of technology from primary international partners for Customers in the MENA region.

SAKT complements Al Fattan Ship Industry and Etihad Ship Building capabilities to fulfil the Al Fattan Industry Group strategic vision of providing whole military vessel turnkey solutions in GCC and MENA region.

MBDA

With a significant presence in five European countries and within the USA, in 2013 MBDA achieved a turnover of 2.8 billion euros with an order book of 10.8 billion euros. With more than 90 armed forces customers in the world, MBDA is a world leader in missiles and missile systems.

MBDA is the only group capable of designing and producing missiles and missile systems that correspond to the full range of current and future operational needs of the three armed forces (land, sea and air). In total, the group offers a range of 45 missile systems and countermeasures products already in operational service and more than 15 others currently in development.

MBDA is jointly held by AIRBUS Group (37.5%), BAE SYSTEMS (37.5%), and FINMECCANICA (25%).

Marte missile family

Marte MK2 is a fire-and-forget, medium range antiship and sea skimming weapon system, that can be used in all weather conditions, equipped with mid-course inertial guidance and radar based terminal guidance, able to destroy small vessels and seriously damage larger vessels. The missile can be employed also on helicopters and fixed-wing aircrafts (fighter or patrol aircrafts).

The new version of the missile, called Marte extended range, improves the basic characteristics of the Marte family by extending its range. The new product offers important new features thanks to the use of a turbojet-based propulsion, that generally leads to a 400% increase in range if compared to an equivalent rocket engine and greater operational flexibility. The new missile still preserves a series of subsystems, such as the seeker head, that were already proven in the previous versions of the Marte missile. It is expected that this commonality between the missiles will be appreciated in particular by the current Marte MK2/s and MK2/n users.

GEM elettronica

GEM elettronica is one of Italy's leading defense electronics companies. From its beginnings in **navigation radar**, the Company today supplies an extensive, diverse range of electronic equipment worldwide, operating in different business area: surveillance and security, navigation and positioning, military defense and marine electronics.

CBRS-100 (Coastal Battery Remote station)

The system includes solid-state, LPI radar systems using digital techniques and designed for short-to-medium range coastal surveillance missions with a maximum target acquisition range of 100 n.m. Advanced radar processing techniques are also employed to optimize target detection accuracy and reliability.

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