







## IN THE AIR, ON LAND AND AT SEA

#### Air Dominance

MBDA either equips or is scheduled to equip many of the world's current and future aircraft with air-to-air and air-to-ground weapons. Meteor, MICA, ASRAAM, Brimstone, Storm Shadow/SCALP and Taurus KEPD 350 are just some of the weapon systems that serve to enhance MBDA's reputation as a world leader in this sector. Airborne countermeasures are also an important part of the MBDA product portfolio.

#### Ground Based Air Defence

MBDA's Aster achieved the first ever successful interception by a European missile of a target simulating a ballistic missile threat. As well as being able to offer a European contribution to NATO ballistic missile defence, MBDA's understanding of air defence architectures and its range of systems including Aster SAMP/T, Land CEPTOR, VL MICA, Spada, MISTRAL and MEADS cover the full range of airborne threats.

## Maritime Superiority

Exocet is probably the most well-known of all anti-ship missiles and represents a key element of MBDA's capability in this area. However, MBDA is also actively involved in equipping the latest generation of frigates, destroyers, OPVs, submarines and naval helicopters with an extensive range of other weapons including VL MICA, MdCN, Marte, Otomat and Simbad-RC. Aster missile based systems have already set a benchmark in naval air defence. A new naval air defence weapon, Sea CEPTOR based on the modular CAMM missile, is now being proposed to global customers. FASGW/ANL will see the UK and France working in cooperation in the development of a new helicopter-launched anti-ship missile. MBDA is also able to offer effective solutions to defeat the growing threat posed by FIACs (Fast Inshore Attack Craft).

## • Battlefield Engagement

Modern weapons need to offer the highest levels of precision and flexibility. From close range combat support weapons to airborne anti-armour weapons such as MILAN ER, MMP and PARS 3 LR, MBDA offers a range of network-enabled solutions suitable for deployment under the complex rules of engagement associated with the modern battlefield..



MBDA is the only company in the sector capable of meeting the guided weapon systems needs of all three services and draws on extensive integration experience on a wide range of legacy and new generation platforms.

PARS 3 LR



Major MBDA successes such as the Storm Shadow/SCALP cruise missile, the Meteor Beyond Visual Range Air-to-Air Missile and the Aster missile system family of ground and naval based air defence systems have already demonstrated the effectiveness of European countries working in concert. Ongoing cooperation, such as that currently taking place within the FASGW/ANL helicopter-launched anti-ship missile programme, is further proof of MBDA's position at the heart of European defence industry partnerships.

#### France

MBDA products will ensure that the new generation of naval craft (Horizon, FREMM and Barracuda) is equipped with the most advanced and effective weapon systems such as Aster PAAMS, Exocet MM40 Block3 and MdCN. Aster has also become an integral element of France's air defence capability. The Rafale combat aircraft will feature a full suite of MBDA weapons such as MICA, Meteor and Storm Shadow/SCALP as well as the ramjet-powered ASMPA nuclear missile.

#### **Germany**

Close cooperation continues with the German armed forces with MEADS, PARS 3 LR being delivered for the German Army's Tiger helicopter and Taurus KEPD 350 which has already been delivered for the Tornado IDS. MBDA is currently working with the customer and other major industrial partners on a future air defence architecture for the German Air Force based on MEADS technologies. Looking to the future, MBDA has already demonstrated the C-RAM capability of a high-energy laser.

#### UK

Following a partnering agreement, MBDA now has the responsibility of managing the UK MoD's complex weapons portfolio which will see new and existing technologies brought to bear in a range of weapons including the multi-surface target SPEAR and the modular CAMM missile for naval and ground based air defence. These solutions, as well as Meteor, Brimstone, Sea Viper (Aster PAAMS), ASRAAM and Storm Shadow/SCALP will be supporting the three branches of the UK's Armed Forces for many years to come.

## Italy

MBDA is supporting Italian land and naval air defence requirements with Aster and MEADS. The Company is also working closely with the Navy in equipping the new generation of Orizzonte and FREMM frigates as well as the Navy's new generation of helicopters, NH90 and AW101, with Teseo (Otomat) and Marte anti-ship missiles.

## Spain

MBDA now has Spanish government approval to be recognized as one of the official suppliers to the Spanish Ministry of Defence, an important step in the Company's European strategy. MBDA is now working on establishing solid and contractual relationships with Spain's armed forces, its government and industrial partners.



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## **GROUP LOCATIONS**

## **FRANCE**

- 1 Le Plessis-Robinson Management, R&D
- 2 Central France Region R&D, Production, Integration
- **3 Compiègne -** Electronics

#### **GERMANY**

- **1 Schrobenhausen -** Management, R&D, Production, Integration
- 2 Ulm R&D
- 3 Aschau R&D, Production

## **ITALY**

- 1 Rome Management, R&D
- **2 Fusaro -** R&D, Production, Integration
- 3 La Spezia R&D, Integration

## **UNITED KINGDOM**

- **1 London -** Management
- 2 Stevenage Management, R&D, Integration
- **3 Lostock Production**
- 4 Bristol Software & Systems

## **SPAIN**

1 Madrid - Management

## **USA**

Washington DC - Management Westlake, CA - R&D, Production Huntsville, AL - R&D, Production, Integration

## **BELGIUM**

1 Brussels - Representation Office



MBDA is much more than simply a supplier to its global customers. It is a business partner that understands the need to constantly improve, to drive down costs, to ensure that its products are competitive and that lead times are in line with customer expectations and needs. This drive towards increased operational excellence is paramount as MBDA positions itself as the partner of choice and the major force behind sustaining the necessary level of defence technology independence in Europe.

With regard to technology, MBDA recognises that innovation is crucial. Therefore as well as internal initiatives such as the Innovation Challenge which encourages all within MBDA to take part in innovating for change, young engineers are encouraged to look towards future weapon capabilities for 2035 and beyond with the Concept Visions project.

By advancing modular solutions and, when necessary, breaking new ground in technology advancement, MBDA people are actively preparing now for Europe's missile programmes of tomorrow, programmes to meet the ever-changing needs of MBDA's domestic and global customers.

CONCEPT VISIONS



# THROUGH LIFE SERVICE, THROUGH LIFE PERFORMANCE

Through its Customer Support and Service division, MBDA provides a fully comprehensive range of innovative support solutions responding to a customer's specific operational requirements. This portfolio of services, designed to provide support from initial purchase right through to system demilitarisation, ranges from initial logistics packages and customised training through to stockpile management consultancy and contracting for availability and is fully flexible to meet each customer's exact needs. MBDA's comprehensive support solutions are available to customers around the world.

A weapon system represents an investment in a country's long term defence and security.

MBDA is therefore committed to ensuring a weapon's optimum performance throughout its full product lifecycle.



