

MBDA and our use of **MBSE**

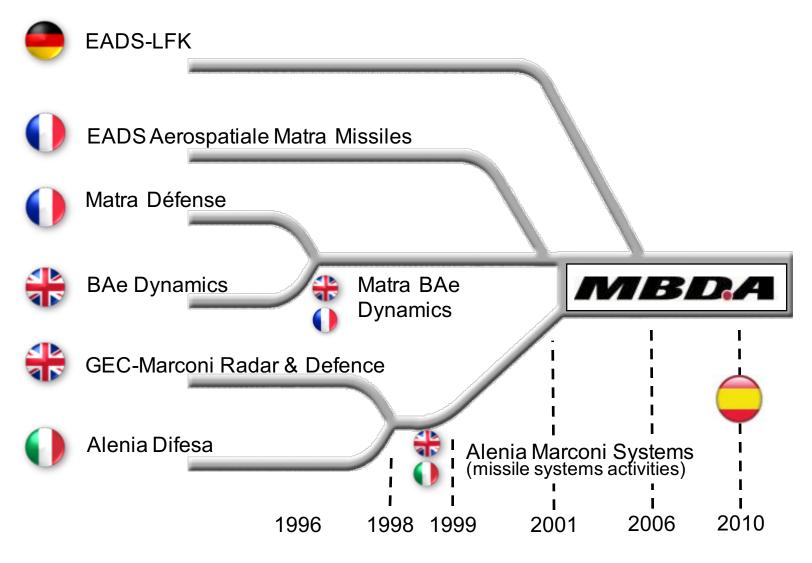
INCOSE UK MBSE WG Meeting 19th May 2016

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MBDA European Industry Collaboration









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Reference :

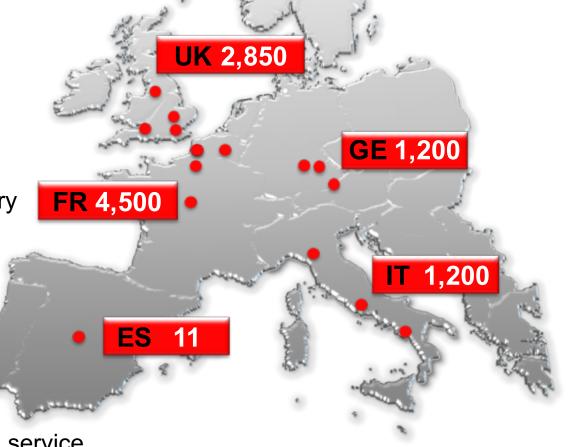
MBDA Centres of Excellence

10,000 people worldwide, **60%** in Technical/Engineering functions

 Created in 2001, an industry leader and a global player in the missile and missile systems sector.

USA 100

 Prime contractor with over 45 missile system and countermeasure programmes in operational service.





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Reference :

• The evolving types of products that MBDA develop

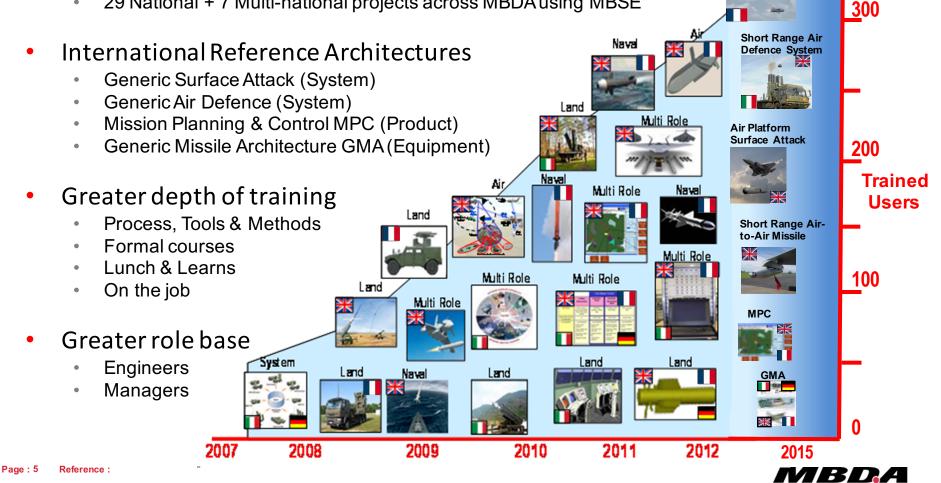
Traditional Products		New Products
Technology driven	VS.	Complexity driven
System built for a specific purpose	VS.	Flexible and agile roles
Sub-systems specifically built for each product	VS.	Sub-systems modularity and re- use driven
Little interaction between parts or with the outside world	VS.	High level of information sharing with external entities
User interaction limited to simple prescribed tasks	VS.	Multiple user participation
Similar design effort required for hardware and software	VS.	Design effort predominately in software with increasing complexity





MBSE Utilisation Across the Business

- Largest key projects (€ and heads)
 - UK/French Anti-Ship Guided Weapon System
 - UK/Italian Short Range Air Defence System •
 - UK Air Platform Surface Attack System •
 - 29 National + 7 Multi-national projects across MBDA using MBSE •



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MISSILE SYSTEMS

Anti-Ship Guided

Weapon System

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