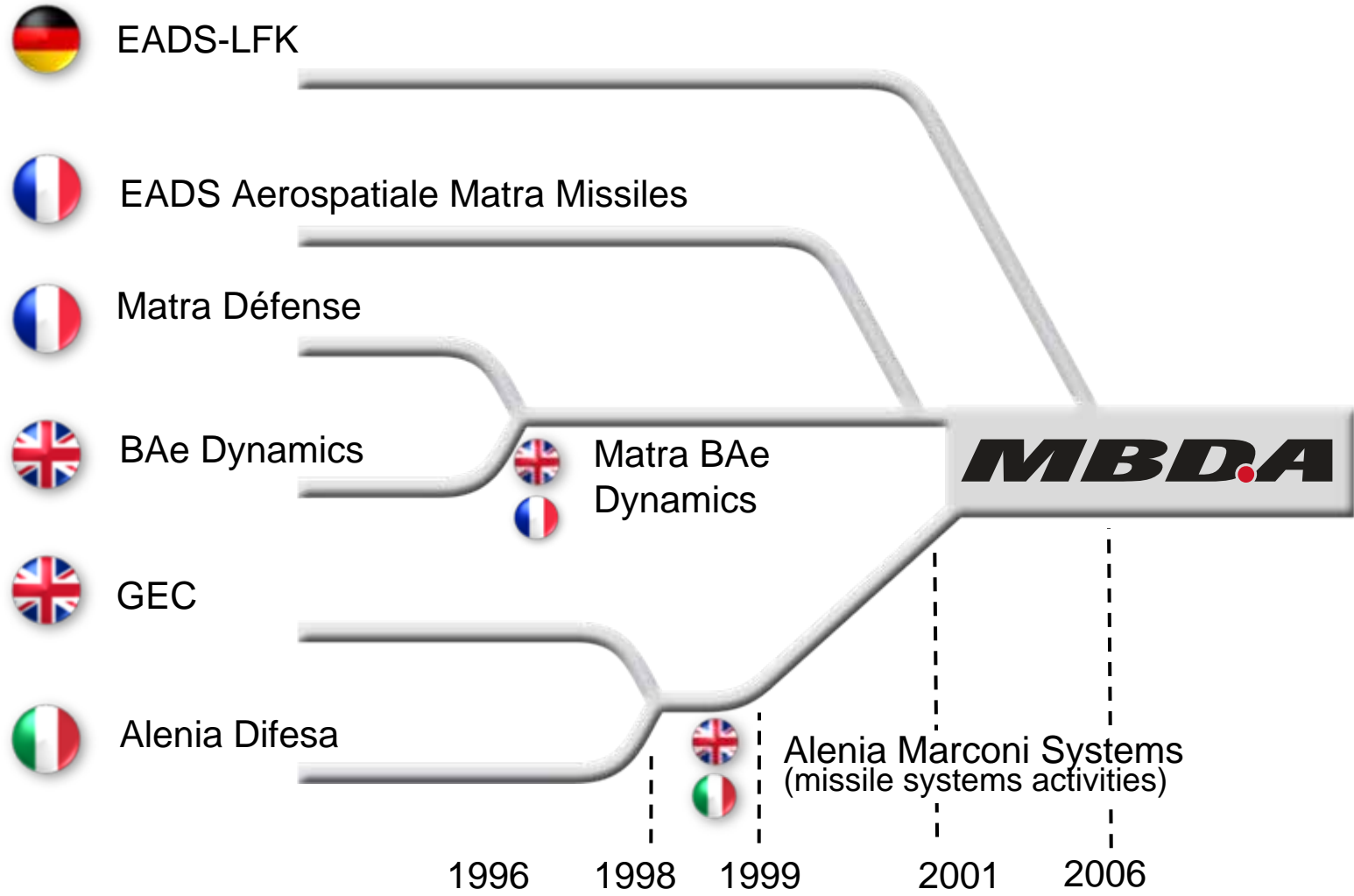


Complex Weapons – Delivering Affordable Capability



Alan Sparkes
Director – Weapon Systems & Integration to Platforms
MBDA UK

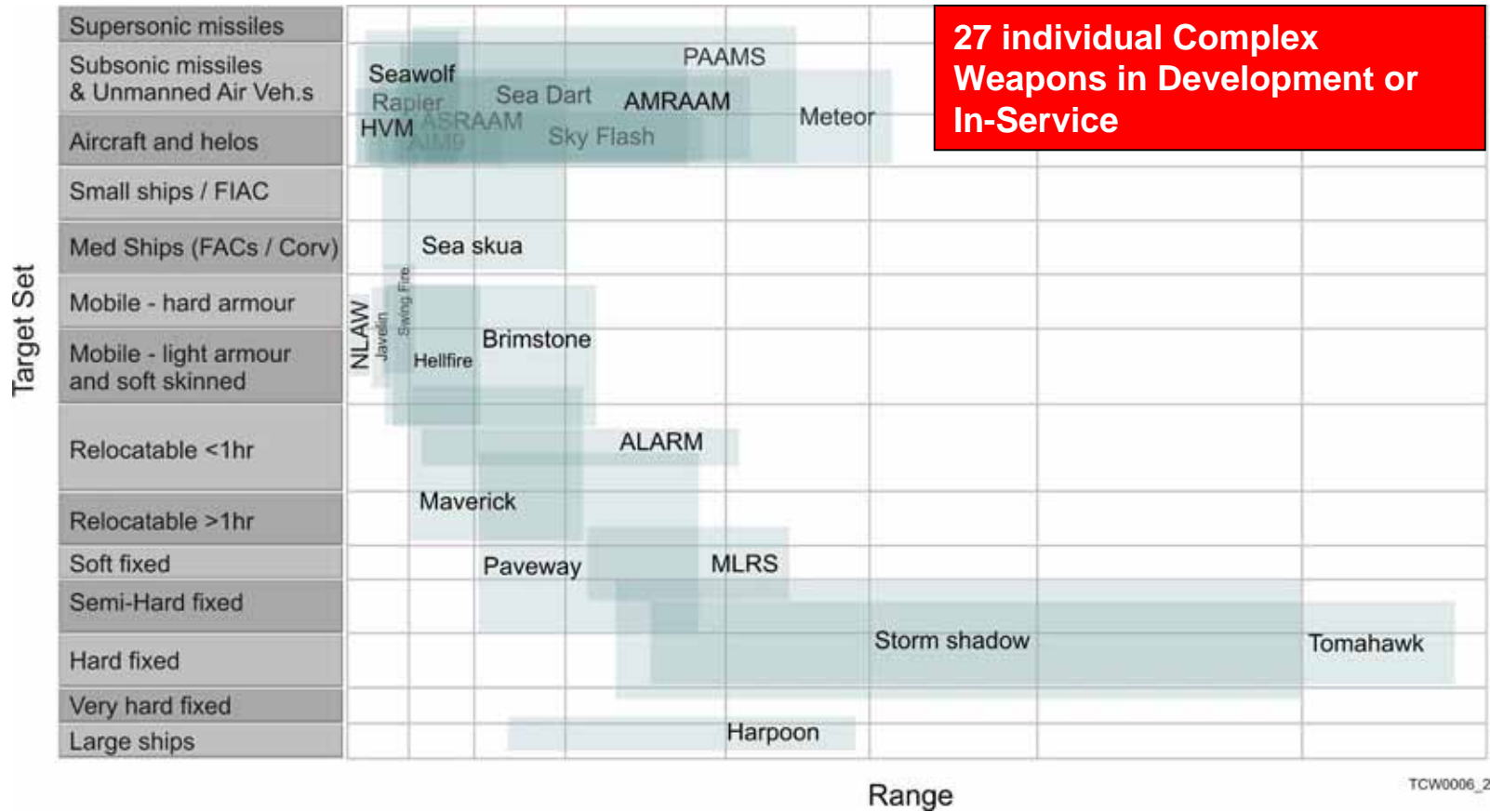
Europe's Global Player



Ce document est la propriété de MBDA. Il ne peut être communiqué à des tiers et/ou reproduit sans l'autorisation préalable écrite de MBDA et son contenu ne peut être divulgué. © MBDA, 2011.
This document and the information contained herein is proprietary information of MBDA, and shall not be disclosed or reproduced without the prior authorization of MBDA. © MBDA, 2011.



The Complex Weapons Sector Challenge



27 individual Complex Weapons in Development or In-Service

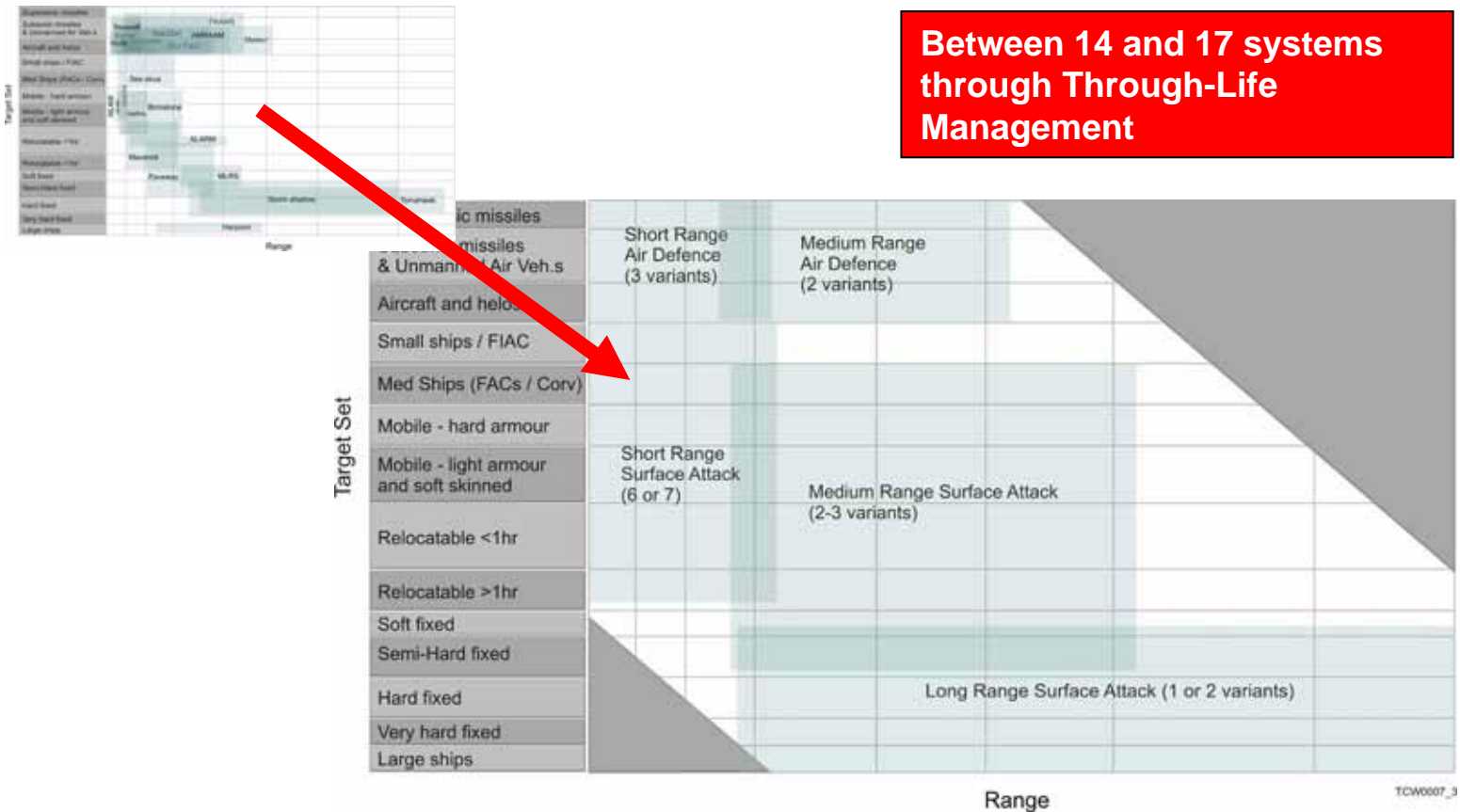
Platform centric, bespoke solutions with capability overlaps and gaps

Ce document est la propriété de MBDA. Il ne peut être communiqué à des tiers et / ou reproduit sans l'autorisation préalable écrite de MBDA et son contenu ne peut être divulgué. © MBDA, 2011.
 This document and the information contained herein is proprietary information of MBDA, and shall not be disclosed or reproduced without the prior authorization of MBDA. © MBDA, 2011.



Towards a Balanced Portfolio

Between 14 and 17 systems through Through-Life Management



Greater capability coverage and flexibility from long term vision towards common and modular Complex Weapons families

Ce document est la propriété de MBDA. Il ne peut être communiqué à des tiers et/ou reproduit sans l'autorisation préalable écrite de MBDA et son contenu ne peut être divulgué. © MBDA, 2011.
 This document and the information contained herein is proprietary information of MBDA, and shall not be disclosed or reproduced without the prior authorization of MBDA. © MBDA, 2011.

Portfolio Benefits

Platform Integration

Portfolio Management

Cooperation

Stockpile Management

Modularity & Reuse

Support Savings

Commonality

£1.2Bn

Portfolio Management Director
 Richard Smart
 Andy Terry

Portfolio Area Director
 Mark Hardman

Portfolio Portfolio Executive
 Andy Watson

Portfolio Delivery B2P Executive
 Andy Smith

Portfolio Technical Authority Exec
 Richard Wray

Portfolio Portfolio Executive
 Mike W...

Portfolio Management Director
 Richard Smart
 Andy Terry

Portfolio Area Director
 Mark Hardman

Portfolio Portfolio Executive
 Andy Watson

Portfolio Delivery B2P Executive
 Andy Smith

Portfolio Technical Authority Exec
 Richard Wray

Portfolio Portfolio Executive
 Mike W...

Portfolio Management Director
 Richard Smart
 Andy Terry

Portfolio Area Director
 Mark Hardman

Portfolio Portfolio Executive
 Andy Watson

Portfolio Delivery B2P Executive
 Andy Smith

Portfolio Technical Authority Exec
 Richard Wray

Portfolio Portfolio Executive
 Mike W...

Ce document est la propriété de MBDA. Il ne peut être communiqué à des tiers et/ou reproduit sans l'autorisation préalable écrite de MBDA et son contenu ne peut être divulgué. © MBDA, 2011.
 This document and the information contained herein is proprietary information of MBDA, and shall not be disclosed or reproduced without the prior authorization of MBDA. © MBDA, 2011.

Delivering Capability

FLAADS / CAMM



Commonality

**Fire Shadow
Loitering Muniton**



Rapid Development

100kg / FASGW-ANL



Collaboration

50kg / SPEAR Cap 2



Multiple Platforms

100kg / SPEAR Cap 3



Operational Sovereignty

SS/EG CEP



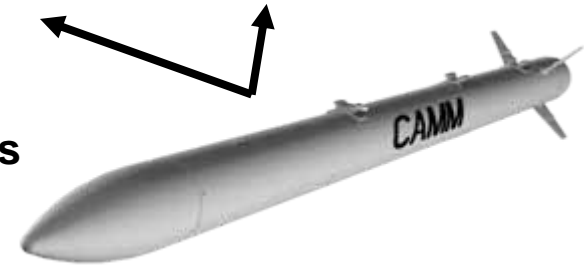
Technology Insertion

Ce document est la propriété de MBDA. Il ne peut être communiqué à des tiers et/ou reproduit sans l'autorisation préalable écrite de MBDA et son contenu ne peut être divulgué. © MBDA, 2011.
This document and the information contained herein is proprietary information of MBDA, and shall not be disclosed or reproduced without the prior authorization of MBDA. © MBDA, 2011.

FLAADS Land – Commonality delivering Whole Life Cost Benefits



- Capability against the full threat spectrum
- High rate of fire - multiple simultaneous targets
- Targeting via land sensor or LAP input
- C2 system common to all surface deployments
- Modularity via use of common components
- Opportunity for shared missile stockpiles



Ce document est la propriété de MBDA. Il ne peut être communiqué à des tiers et/ou reproduit sans l'autorisation préalable écrite de MBDA et son contenu ne peut être divulgué. © MBDA, 2011.
This document and the information contained herein is proprietary information of MBDA, and shall not be disclosed or reproduced without the prior authorization of MBDA. © MBDA, 2011.



Fire Shadow - Rapid Solution for Today's Operational Needs



- **Moving / manoeuvring land targets**
- **High precision / low collateral**
- **Man-In-The-Loop day / night sensor for discrimination**
- **Operational flexibility**
- **Normal Battlespace Management processes**
- **Broad Spectrum of Conflict**

Ce document est la propriété de MBDA. Il ne peut être communiqué à des tiers et/ou reproduit sans l'autorisation préalable écrite de MBDA et son contenu ne peut être divulgué. © MBDA, 2011.
This document and the information contained herein is proprietary information of MBDA, and shall not be disclosed or reproduced without the prior authorization of MBDA. © MBDA, 2011.



Enablers for International Collaboration

FLAADS / CMM Commonality	Fire Shadow Loitering Munition Rapid Development	100kg / FASGW-ANL Collaboration
50kg / SPEAR Cap 2 Multiple Platforms	100kg / SPEAR Cap 3 Operational Sovereignty	SS-EG CEP Technology Insertion



**Anglo-French CW Sector Cooperation
Single European Prime Contractor**

Ce document est la propriété de MBDA. Il ne peut être communiqué à des tiers et/ou reproduit sans l'autorisation préalable écrite de MBDA et son contenu ne peut être divulgué. © MBDA, 2011.
This document and the information contained herein is proprietary information of MBDA, and shall not be disclosed or reproduced without the prior authorization of MBDA. © MBDA, 2011.

A Collaborative Vision ?

Congested
Cluttered
Contested
Connected
Constrained



Lightweight, long range, distributed, precision firepower for Dismounted Close Combat

For further information, please contact

Sales and Business Development
Six Hills Way
Stevenage
Herts SG1 2DA
Tel: +44 1438 312422

salesenquiries@mbda-systems.com

www.mbda-systems.com

