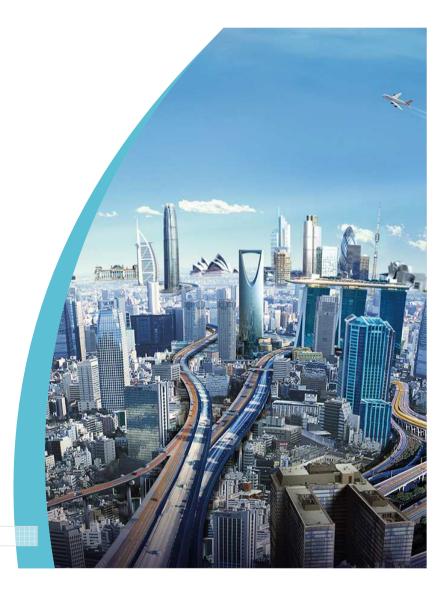
## THALES

# Supply Chain Opportunity

JOHN MCDONALD, THALES / ADMS ILG

www.thalesgroup.com



## 'if you always do what you've always done then you will always get what you always got'

various

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### **Overview**

### Introduction to Thales

### Introduction to Aerospace Defence Marine and Security Industry Leadership Group

### Development of a Strategy for Growth

### Supply Chain Pillar

- > Opportunity
- > Alignment with BIS UK Aerospace Supply Chain Study (July 2016)

#### 'Australian Model'

- > Best Practice Example
- Recommendations

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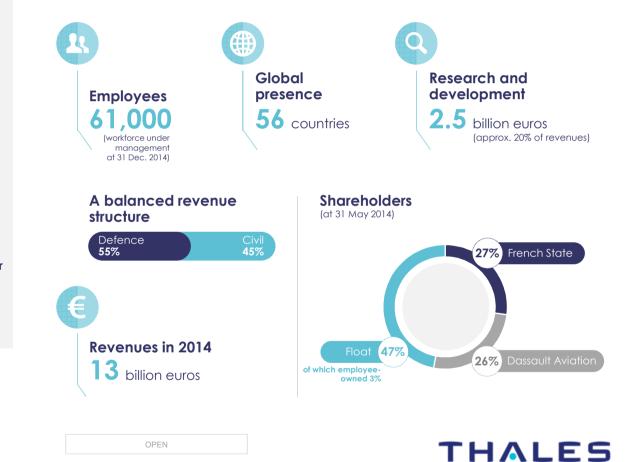


### **Thales Profile**

Collective intelligence for a safer world Whenever critical decisions need to be made,

Thales has a role to play. In all its markets — aerospace, space, ground transportation, defence and security — **Thales solutions help customers to make the right decisions at the right time and act accordingly.** 

World-class technology, the combined expertise of **61,000 employees** and operations in **56 countries** have made **Thales a key player in keeping the public safe and secure**, guarding vital infrastructure and protecting the national security interests of countries around the globe.



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### Thales in the UK

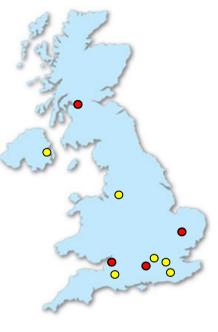
- 7,000 employees
- 10 key UK locations (35 sites overall)
- 4,000 engineers and technicians
  - 90% qualified to degree level or above
- 2014 sales: £1.2bn
- Invested more than £3bn in UK since 2000
- 125th anniversary of Thales UK in 2013
- Serving five key markets:
  - Aerospace, Defence, Security, Transport, Space







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• Optronics / Missile Electronics site



### **Optronics and Missile Electronics (OME)**

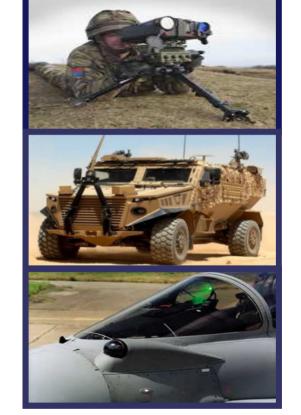
#### Mission:

 Design, develop and manufacture advanced electrooptic day and night vision equipment, integrated vehicle solutions and dismounted soldier systems
Locations:

- Glasgow (approx. 580 employees)
- Bristol (approx. 35 employees)
- Bury St Edmunds (approx. 65 employees)
- Basingstoke (approx. 150 employees)

Products and Capabilities include:

- Infra-Red Cameras and Laser Rangefinders
- Airborne Reconnaissance and Threat Warning Systems
- Integrated Vehicle and Soldier Systems
- Armoured Vehicle Sighting Systems
- •Submarine Periscopes and Optronic Masts



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#### Scottish Aerospace Defence Marine and Security Industry Leadership Group

#### Scottish ADMS (Note 1):

- > More than 825 companies
- > Employing well over 38,000 people in Scotland.
- > Revenues in excess of £5.5 billion
- > Producing a Gross Value Add (GVA) to the economy of £1.76 billion.

#### **ADMS ILG Vision :**

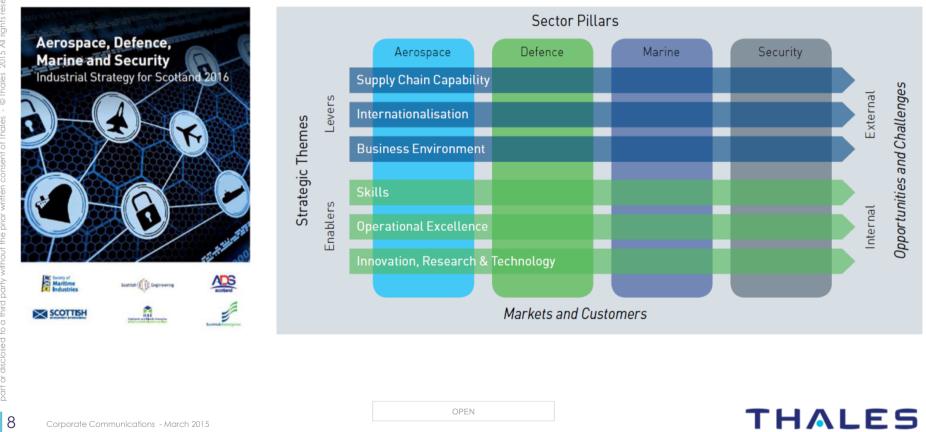
'To see the industry grow and further strengthen its global reputation for technology and engineering excellence, with ambitious companies and a highly skilled workforce that design, manufacture and test world-class products, and provide services that consistently meet or exceed the needs of customers at home and overseas.'

Note 1: Scottish Enterprise 2013 OPEN

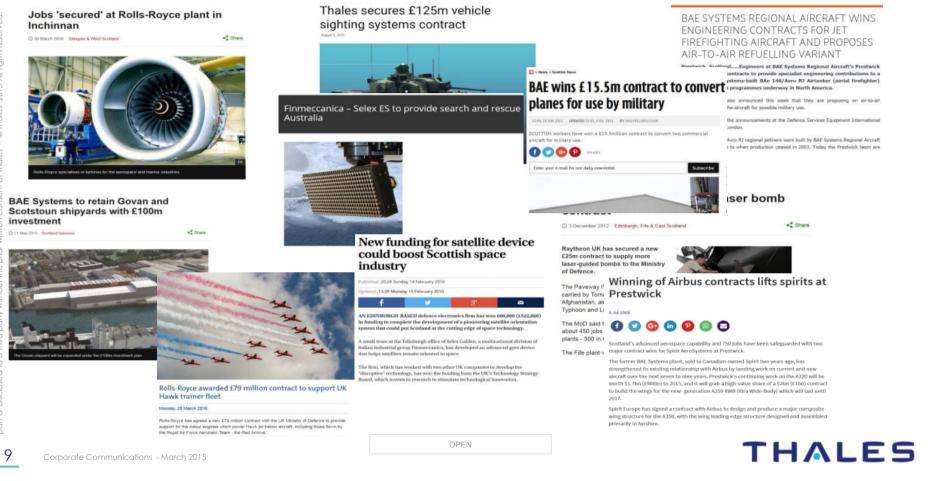
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### ADMS ILG Strategy Published 21st March 2016

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#### Scottish Success – Prime and Tier 1



### Scottish Supply Chain Opportunity? (example of un-named Scottish Tier 1)

	Percentage of Committed spend in the last 12 mon Spend in Scotland Spend out of Scotland			
Commodity/Family Name	Potential Total Spend in a 12 month period (KEUR)	Spend not in Scotland	Spend in Scotland	
Optronics	£18,000 - £40,000	94%	6%	
Mechanical Parts	£4,000 - £6,000	33%	67%	
PCBA & Housing Integration	£4,000 - £25,000	51%	49%	
Mechanical Assembly & Integration	£5,000 - £26,000	92%	8%	
Mechanical Commodities	£700- £1,000	65%	35%	



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## **Current Thinking and Approach**

#### Can't fix everything...

#### Questionnaire / Structured Interview (Supply Chain and Op Ex)

#### Designed to explore:

- Sourcing decision making,
- Scotland (& UK) vs Rest of the World
- Engagement Timings
- Scottish Supply Chain Performance vs Rest of the World
- Commodity Spend and Opportunity vs Rest of the World
- Operational Excellence Awareness and Maturity
- Potential Operational Excellence improvement benefit (by commodity)

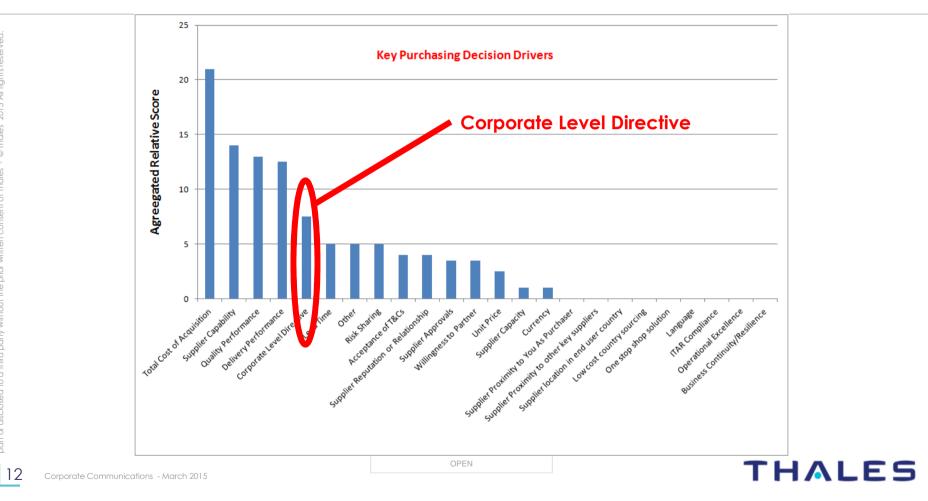
#### Through Scottish Enterprise / SMAS

#### > 12 Tier 1 / OEMs identified, 8 completed, remainder planned

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### Interim Findings – Supply Chain Decision Making



### **UK Aerospace Supply Chain Study**



https://www.gov.uk/govern ment/uploads/system/uplo ads/attachment\_data/file/ 536903/bis-16-310aerospace-supply-chainstudy.pdf

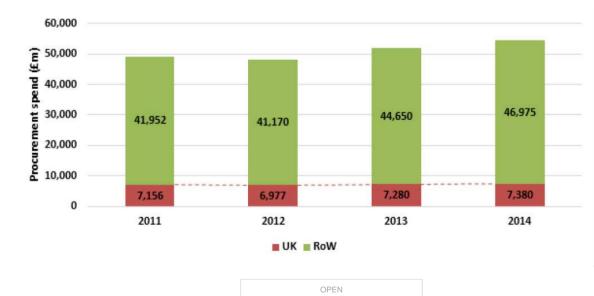
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### **Supply Chain Spend**

BIS asked a group of prime contractors with significant operations in the UK to complete a survey which captured their quantitative procurement spend both within the UK and globally



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### **Quotes from BIS Report**

- "many interviewees had a relatively poor view of UK suppliers' ability to meet all of their needs in an increasingly global and competitive supply chain"
- "According to the interviewees, official supplier accreditation is an essential prerequisite for suppliers of many products that they wish to source"
- "Funding is not widely available for gaining the appropriate certification"
- "By the prime contractors' own admission, gaining approved status is a challenging, costly and time-consuming process, not only for achieving initial approval, but also for the regular audits that are required thereafter"
- "By reducing the number of suppliers, supply chain management is heavily simplified"





### So what can we do?

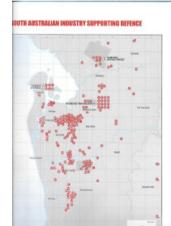
#### **Best Practice?**

- Commonwealth of Australian Government promotion of Defence Supply Chain
- > Team Defence Australia <u>www.defence.gov.au/casg/TDA</u>
- > Fund Global Supply Chain resources in Primes and Tier 1s
- Missions and Material to Support Australian Supply Chain Growth



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### **Supply Chain - Challenges and Recommendations**

#### CHALLENGES & ISSUES

CO-ORDINATION: Establish and maintain a forward looking view of Tier 1&2 company requirements mapped against supply chain capabilities

CONTENT: There must be improvements in whole life cost awareness and recognition of Operational Excellence criteria. Centralised procurement policies must be addressed to reduce erosion of local content in supply chains

EARLY ENGAGEMENT: Industry must recognise that supply chains are formed early in product lifecycles and act accordingly

#### RECOMMENDATIONS

Work closely with OEM and Tier 1 suppliers to identify capabilities required in the supply chain to meet future demand. Use this to foster targeted growth and to identify areas for active development where investment in local capabilities could address unsatisfied need.

Promote the advantage of localisation through the understanding of through life costs. Promote the benefits across the supply chain of operational excellence and its impact on Schedule, Cost and Quality. Support the promotion of local suppliers into Tier 1 and OEM's procurement decision making groups through targeted engagement.

Recognise that supply chains are created and fixed very early in product development lifecycles.

Actively work across the supply chains to ensure links between OEMs and R&Ts are fostered, long term relationships are being formed and local R&T is aligned and harnessed as a route to creating competitive advantage.



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