# **Smiths Aerospace**

# Meetings with investors at the Paris Airshow

June 2005



# **Smiths Aerospace**

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- US defence procurement expected to level off
- Commercial aerospace growing strongly
- Airline sector is not profitable

# Why is Aerospace attractive?

Approx. proportion of Smiths' total sales



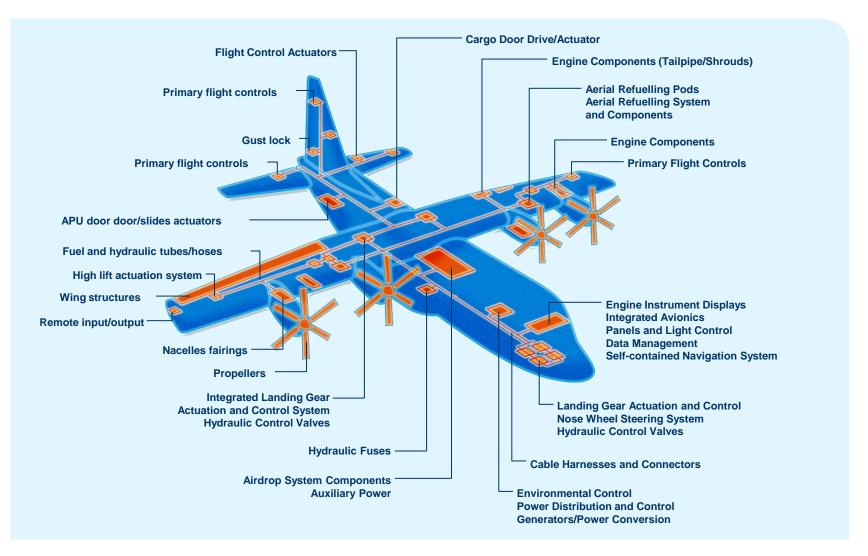
- Defence continues to be a high priority
- Strong underlying demand for air travel
- Leadership positions in the supply chain are rewarding





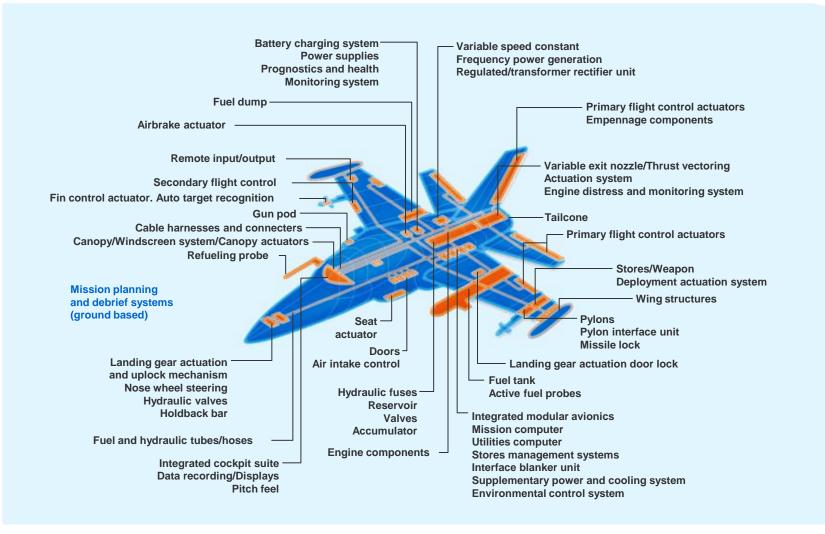
## Capabilities on military transports (Applications: C-130AMP, C-130J, C-17, C-27, P-8A MMA, B767 Tanker...)

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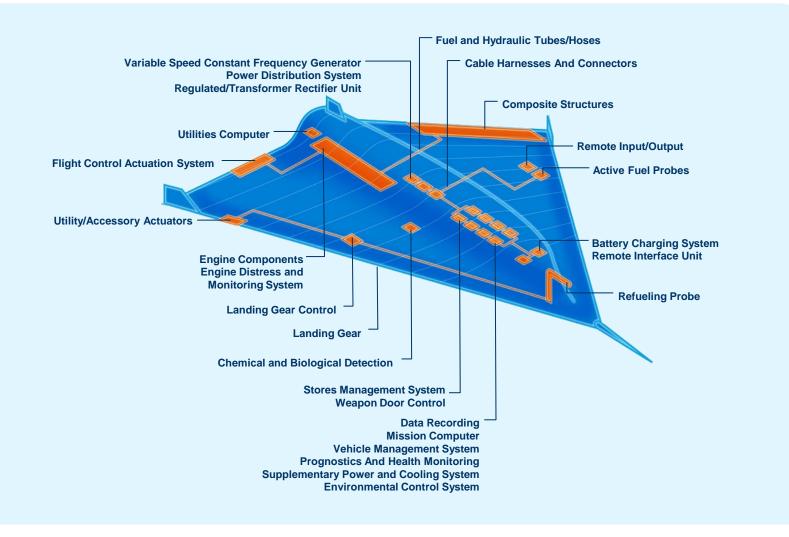
## Smiths Aerospace is a Tier One supplier on military platforms Capabilities on fighters: (Applications: F-35, F-22, F-18 E/F, F-16, Eurofighter, Hawk)

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# Capabilities on UAVs (Applications: X-47, X-45...)

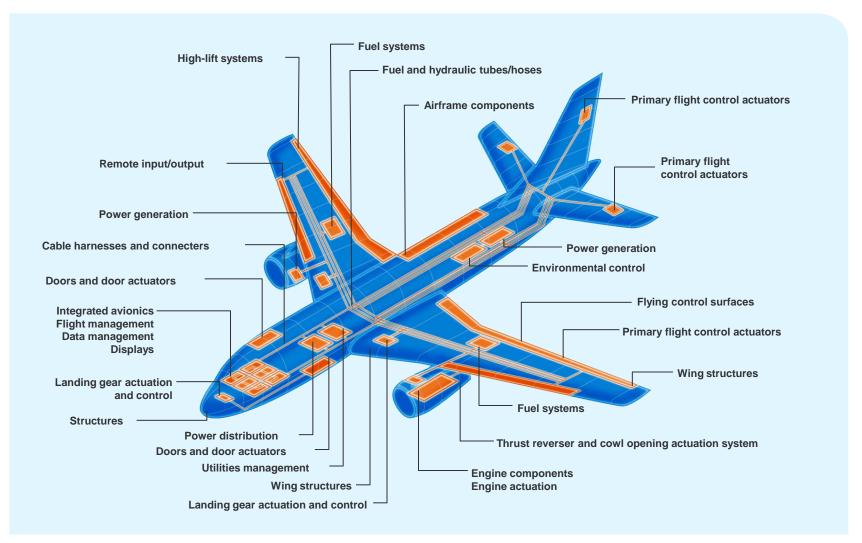
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# Smiths Aerospace has a strong position with Boeing and Airbus

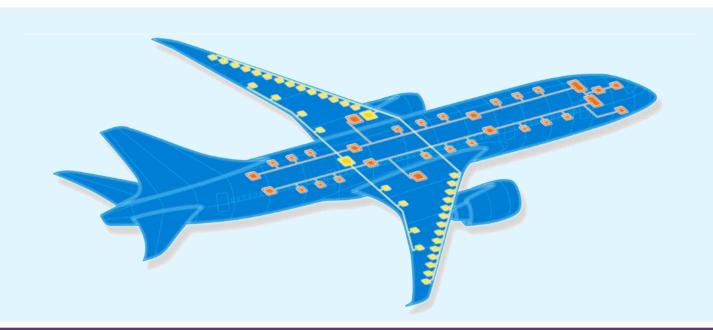
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Capabilities on large commercial aircraft (Applications: Boeing: 737, 777, 787 Airbus: 320, 300/340, 380)



# **Boeing 787 Dreamliner**

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#### Major Systems won by Smiths

- Common Core
- High Lift
- Landing Gear

#### **Programme Status**

- Firm Orders = 64
- Options = 24
- Entry into Service = 2008

Trend to systems integration, but each customer is different

#### **Smiths Group**

# Airbus A380

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# Major Systems won by Smiths High Lift Landing Gear

# Programme Status Firm Orders = 139 Options = 70 Entry into Service = 2006

# What are we?

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# Aerospace Systems Delivering Integrated Solutions

# Engine Components Growth fueled by Competitiveness

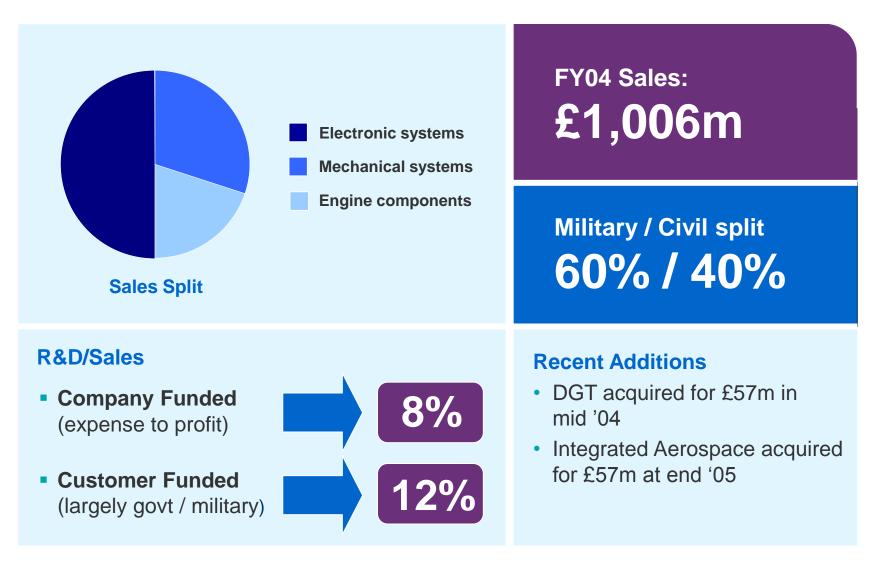


Northrop Grumman selects Smiths for J-UCAS Landing Gear System 8<sup>th</sup> February 2005 Smiths expands Aircraft Engine Facility in China 1<sup>st</sup> November 2004

#### **Smiths Group**

# **Smiths Aerospace Business Dimensions**

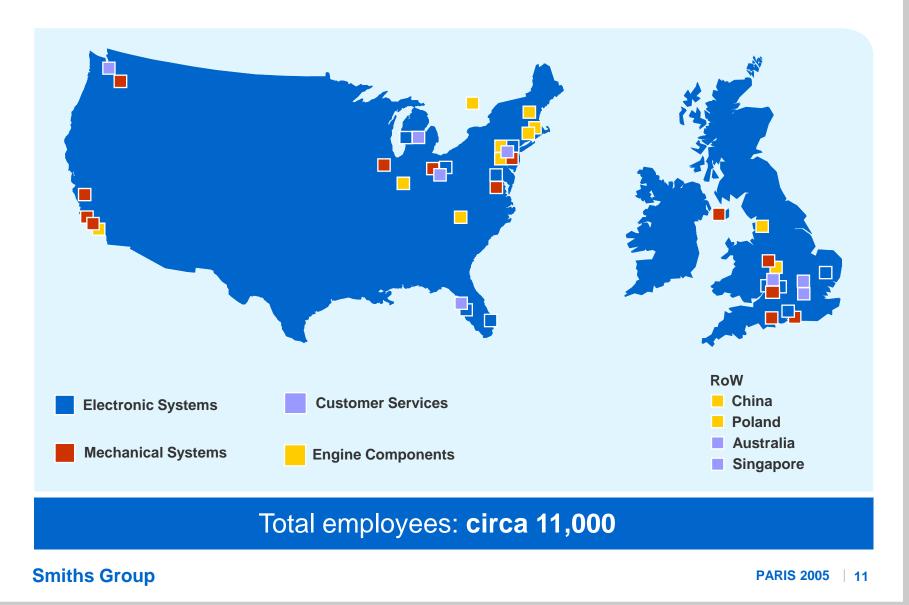
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#### **Smiths Group**

# Where are we?

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## Smiths Aerospace on Major Platforms: Typical programme revenues

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### Boeing 777: \$800m

electrical power, utilities, hydraulics, engine components

### Boeing 787: \$2.6b

common core system, landing gear and high lift actuation systems, flight recorder

### Airbus A380: \$1bn

landing gear extension & retraction system, actuators, high lift actuation, wing components

### Eurofighter: \$600m

avionics, utilities, hydraulics, engine components

#### Airbus 320: \$650m

avionics, hydraulics, engine components

## JSF: \$3bn

avionics, utilities, hydraulics, engine components

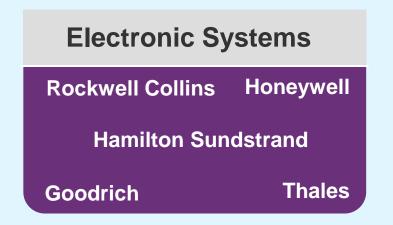
## F-18 E/F: \$650m

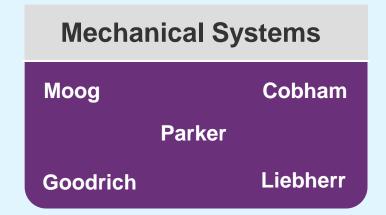
weapons systems, utilities, hydraulics, engine components

#### **Smiths Group**

# Competitors

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**Engine Components** 

GKN Carlton Barnes Group Primes in-house capabilities Magellan Doncasters Firth Rixson **Customer Services** 

**Third Party Repair Centres** 

**Operators in-house capabilities** 

**Smiths Group** 

# Aeroengine Component supplier

Machined Combustors

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	Civil	Military
GE/CFM	$\checkmark$	$\checkmark$
Pratt & Whitney	$\checkmark$	$\checkmark$
Rolls Royce/Eurojet	$\checkmark$	$\checkmark$

Machined Shafts

Fabricated Mixers

### **Smiths Group**

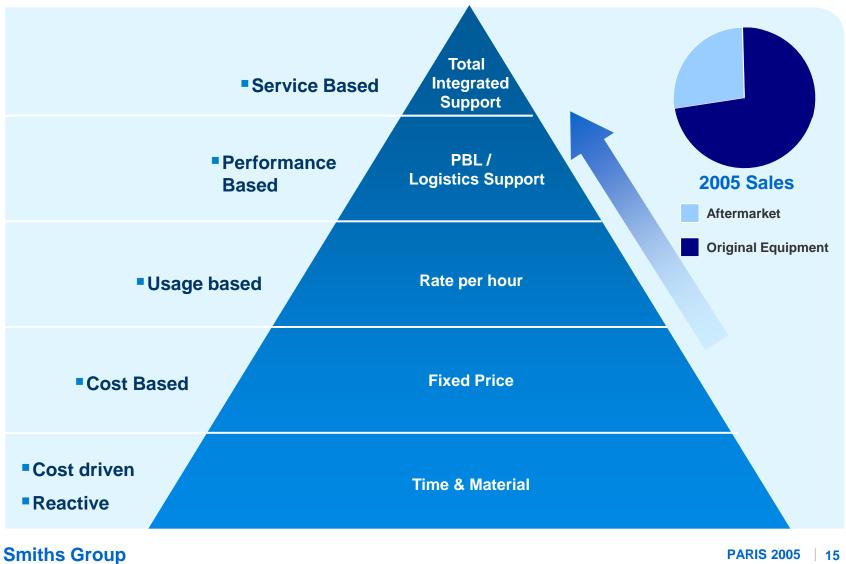
Flash Welded Rings

PARIS 2005 | 14

Engine side wall

# **Business Dimensions: Aftermarket**

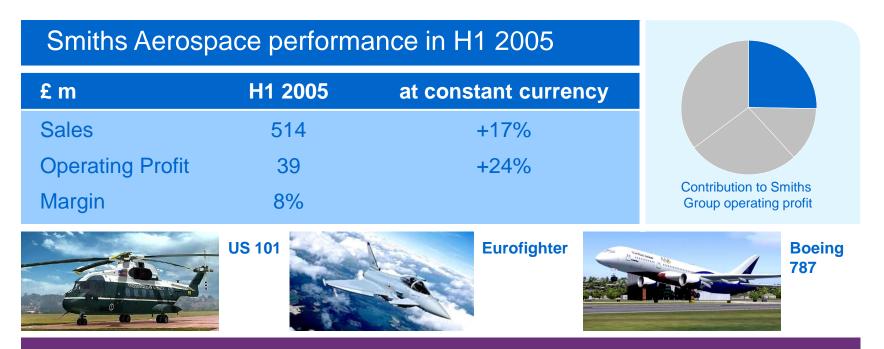
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#### **PARIS 2005** 15

# How are we performing?

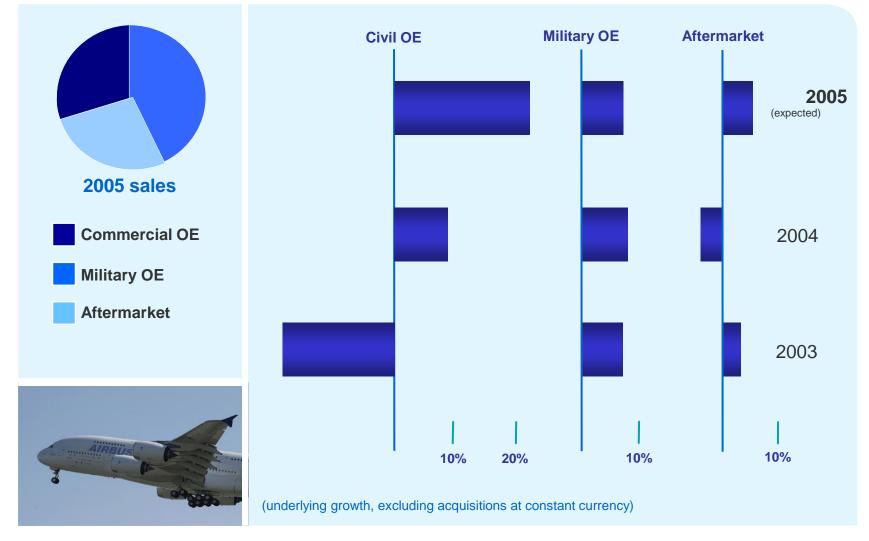
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- Delivered first system for Airbus A380, F-35 JSF, C-130 AMP
- Development work on Boeing 787 Dreamliner on schedule
- Selected for complete landing gear on X-47B
- Teamed with Lockheed on US 101 Presidential helo fleet
- Capacity in China doubled by 2006
- Engine component plant in Poland being expanded

# **Smiths Aerospace: Sales Trends**

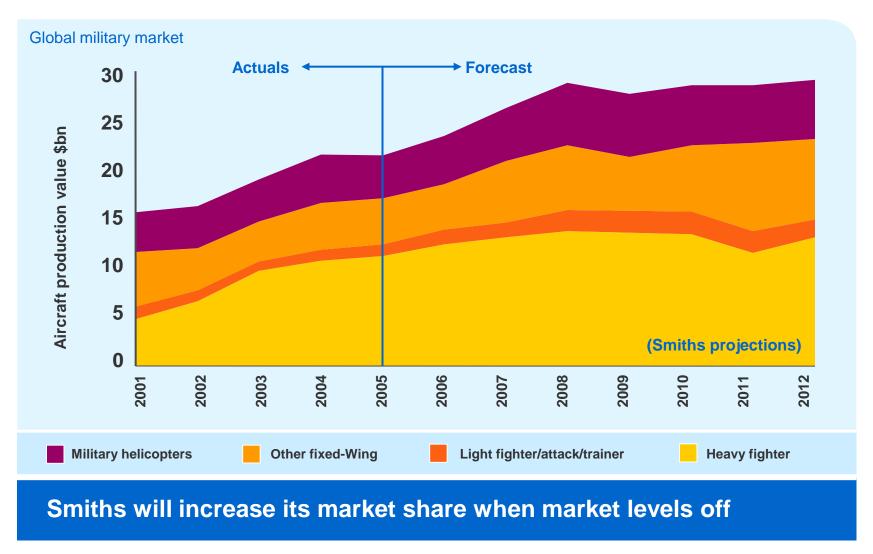
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**Smiths Group** 

### Smiths Aerospace: Continuing strong performance in the defence sector

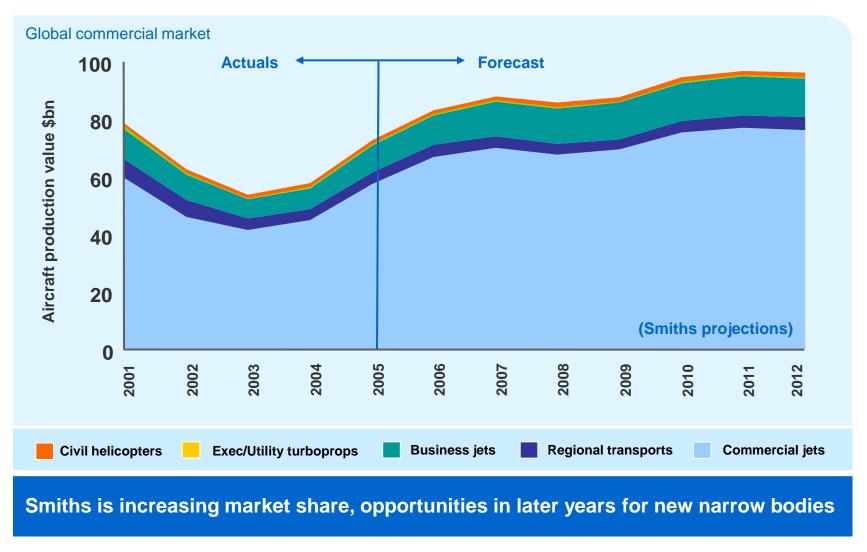
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#### **Smiths Group**

### Smiths Aerospace: Significant growth in the commercial aircraft sector

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#### **Smiths Group**

# Growing as anticipated

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- US defence spending flattening
- The civil aerospace industry is recovering
- Airline customers are still making huge losses

# So why is Smiths so confident?

We have strong platform positions - gaining market share

Supported by increased R&D

Engine Components business delivering planned growth

Sustained drive on all aspects of cost

#### **Smiths Group**

**Smiths Aerospace** 

