## Investor Briefing

19 June 2014



# Strategy

John Rishton

19 June 2014

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#### Overview of morning

Strategy

Capital allocation & guidance

TotalCare<sup>®</sup>

Q&A



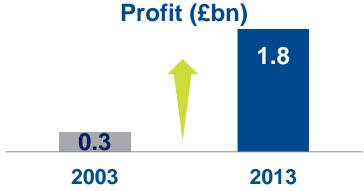
### Strategy – evolution, not revolution

	Place the customer at the heart of the organisation
Customer	Understand and shape their requirements
	Relentless focus on delivering our promises
	Value innovation in everything we do
Innovation	Ensure competitive technology ahead of product requirements
	Establish an environment and culture in which innovation thrives
	Grow our market share and installed base
Profitable growth	Competitive portfolio of products and services
	Focus on cost and cash



### **Consistent long-term delivery**







#### Who we are

"...for use on land or water or in the air."\*

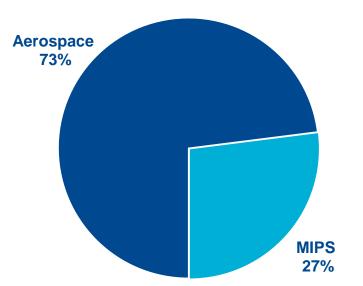
Group	Rolls-Royce Complex power systems & services group				
Power	Gas turbines		Reciprocati	ng engines	Nuclear
Systems	LiftFan, engine controls, propulsion, deck machinery, I&C				
Services	Aftermarket services				
Divisions	Aerospace		Marine & Inc	dustrial Powe	er Systems
Businesses	Civil Aerospace	Defence Aerospace	Power Systems	Marine	Nuclear

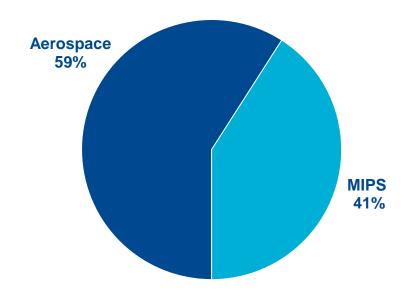


<sup>\*</sup> from Rolls-Royce Ltd. Memorandum & Articles of Association 1904

### Strong growth and better revenue balance



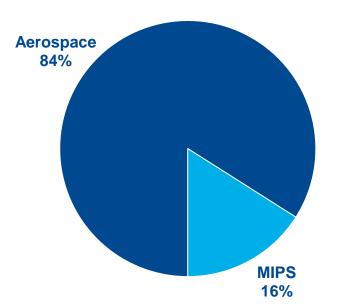


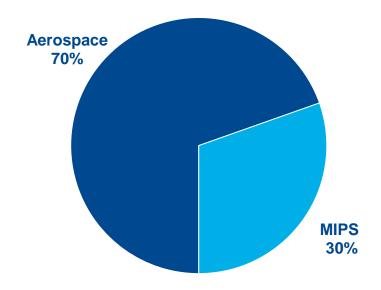




#### Strong growth and better profit balance

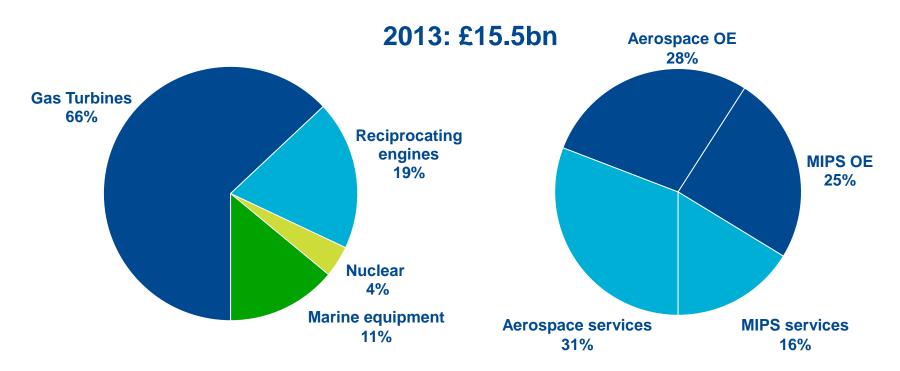








### **Balanced revenue by product & type**





#### Growth and balance driven by portfolio approach

Similar ROCE, complementary profiles

Civil	gas turbines
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**Reciprocating engines** 

ROCE\*

Investment risk

**Entry barriers** 

Net R&D spend

Capex

Programme launch to EIS

EIS to cash neutral

18% - 23%

High

High

~£1bn

~£0.5bn

5 - 7 years

10 - 15 years

25% - 30%

Low

Medium

~£150m

~£100m

3 - 5 years

3 - 10 years

Trusted to deliver excellence



<sup>\*</sup> Based on Rolls-Royce and Goldman Sachs analysis

#### **Our 5 priorities**

Fix the Basics – "4C's"

Culture

Wide body civil GTs

Narrow body civil GTs

Medium-speed recips

Bedrock

Investment choices



#### Fix the basics: the "4C's"

Customer

Concentration

Cost

Cash



Customer

On time delivery – trend improving but much more to do

	On time to customer		On time to internal plan	
_	2013	2012	2013	2012
Civil Aerospace	100%	80%	25%	4%
Defence Aerospace	93%	88%	39%	7%
Marine	95%	55%	77%	30%



## **3010**

# Bought

#### **Concentration**

Focus on where we add most value

When	What	Why
2014	Energy gas turbine business to Siemens	Scale
2013	RTM322 helicopter engine business	Non-core
2012	Tidal Generation, Fuel Cells	Non-core
2011 - 2014	Tognum	Product
2011 - 2013	Various Civil Nuclear businesses	Technology
2010 - 2012	Aero Engine Controls	Technology



#### Cost

Area	Action
Product redesign	• 600 engineers
Structural change	<ul><li>LCC sourcing to 40% by 2020</li><li>20% lower footprint by 2020</li></ul>
New manufacturing Plants & technology	<ul><li>New plants hitting targets</li><li>160 new projects via AMRCs</li></ul>
Logistics & inventory	<ul><li>Reduce logistics costs - 20%</li><li>Continue to improve inventory turns</li></ul>
Lean enterprise	<ul><li>Substantial reduction in time to market</li><li>Adopting automotive industry practices</li></ul>
Overheads	<ul> <li>Indirect headcount down 11%</li> <li>Business Process Optimisation – 20% opportunity</li> </ul>



#### Cash

Туре	2013	Action
Capex spend	£0.7bn	Drive down from current 4.9% revenue to c. 4% in next 3-5 years.
R&D spend	£0.8bn	Ease as % of revenue
Inventory year-end total	£3.3bn	Continue to drive turn times by reducing buffers, improving productivity and increasing manufacturing stability.



## **Cash**Inventory turns improving but more to do

	2013	2012
Civil	3.4	3.0
Defence	4.6	3.4
Marine	3.6	3.4
Group	3.4	3.0



#### **Our 5 priorities**

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#### **Culture**

Importance of culture:

"Culture eats strategy for breakfast"

**Innovation** 

Cost

**Ethics** 



#### **Our 5 priorities**

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Bedrock

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Narrow body civil GTs

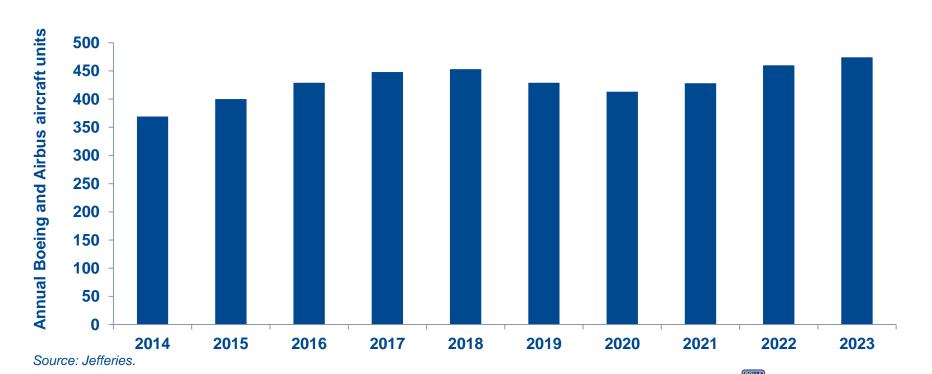
Medium-speed recips

Investment choices



#### Wide body aircraft deliveries to 2023

Over 4,000 deliveries vs. over 2,000 in last decade

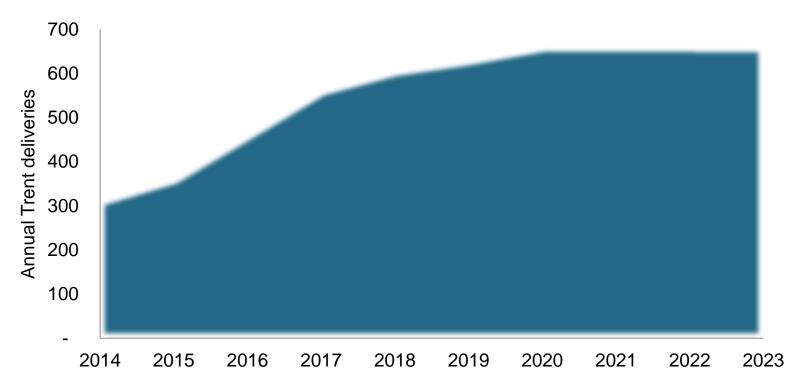


**Rolls-Royce** 

Trusted to deliver excellence

#### **Projected Trent deliveries to 2023**

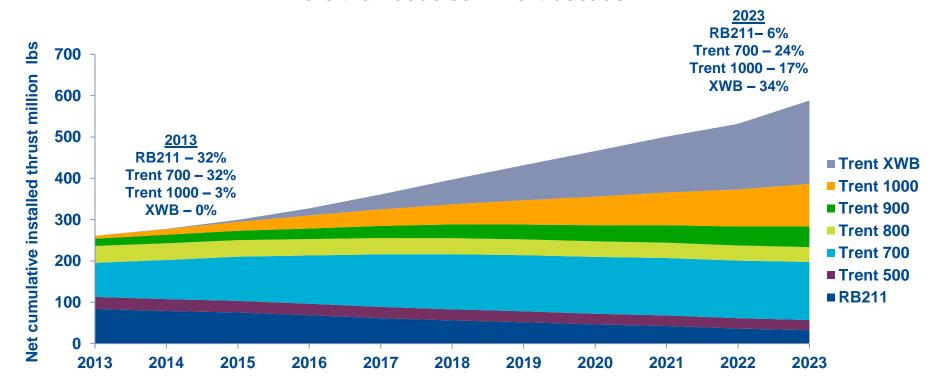
Over 4,000 deliveries vs. over 1,600 in last decade





#### Rolls-Royce wide body installed thrust

More than doubles in next decade





#### **Future products**

Continuous improvement essential to remain competitive





>1600 sold

84k variant EIS Q4 2014

97k variant EIS 2017

New engine core architecture

**Composite fan system** 

Advanced ceramic matrix composite

Lean burn

Power gear box



#### **Our 5 priorities**

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Medium-speed recips

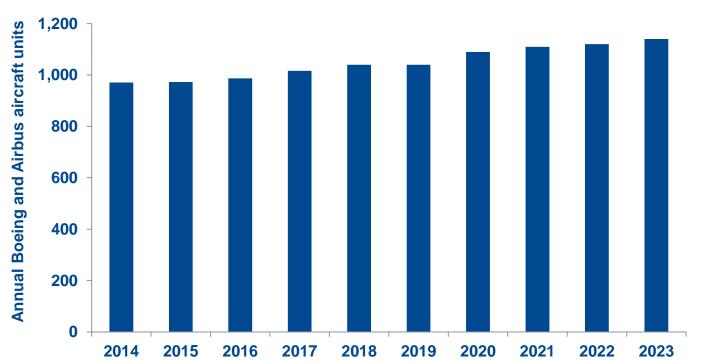
Bedrock

Investment choices



#### Narrow body deliveries to 2023

71% market units, 48% market value



#### **Benefits**

- Customer intimacy
- Technology
- Volume
- Large market

Source: Jefferies

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#### **Our 5 priorities**

Fix the Basics – "4C's"

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Bedrock

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Narrow body civil GTs

Medium-speed recips

Investment choices



#### Low speed recips characteristics

rpm 50 - 300

Power (MW) 3 - 85

**Weight (tonnes)** 50 – 2400

Length (m) 4 – 24

Fuel type Diesel (HFO), gas

**Competitors** MAN Diesel, MHI

Typical uses Large merchant vessels





#### High speed recips characteristics

rpm 1000 – 2500+

Power (MW) <1-10

Weight (tonnes) <1 - 40

Length (m) <1 - 8

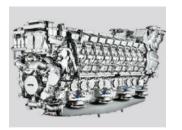
Fuel type Diesel (distillate), gas

Competitors Caterpillar, Cummins, Yanmar, GE Jenbacher, Volvo Penta, Weichai

Typical uses Marine leisure craft, naval, construction, rail, mining, standby PG etc.

Common technologies and shared R&D with medium speed

Volume production enables lower unit cost





**Features** 



#### **Medium speed recips characteristics**

rpm 300 – 1000

Power (MW) 1-25

**Weight (tonnes)** 18 – 350

Length (m) 3 – 14

Fuel type Diesel (distillate, residual/HFO), gas

Competitors Wärtsilä, MAN Diesel, Caterpillar, Hyundai, Niigata

Typical uses Offshore, small-medium merchant, distributed PG

Extensive use in Offshore industry (complex, mission-critical etc.)

FeaturesOpportunities in land PG

Access to larger merchant marine market enables pull through

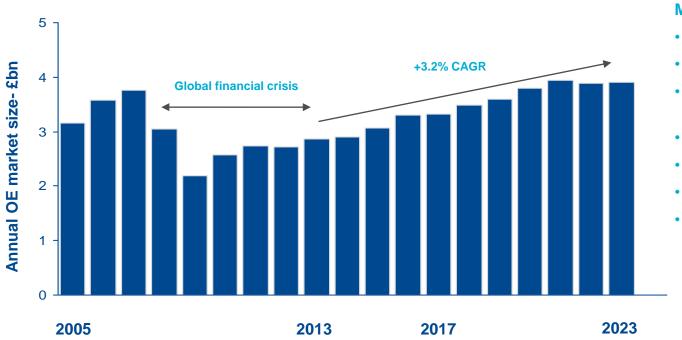






#### **Medium speed market**

Growing marine and land power forecast



#### **Market growth drivers:**

- GDP
- Population growth
- Emerging markets power generation demand
- Environmental legislation
- Oil price
- Gas price / availability
- £35bn market to 2023

Source: Rolls Royce - data excludes Marine auxiliary engines

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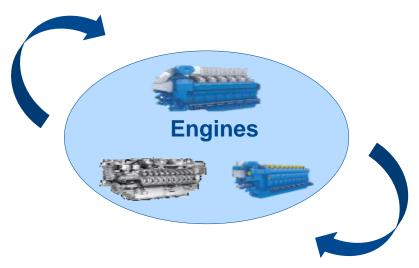


### Portfolio pull through

Each product gives access to others

Power electrics, automation & control







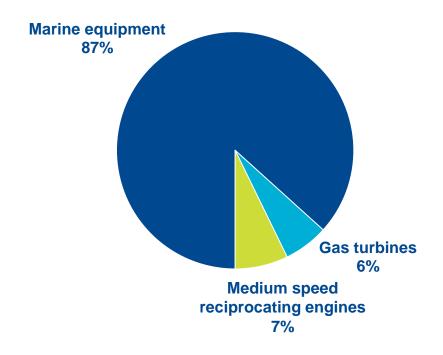


- Early customer engagement
- Access systems integration opportunities
- Portfolio helps pull-through of other equipment



#### Marine revenue strong in by product type

2013: £2.0bn\* - strong in marine equipment



<sup>\*</sup> pro-forma excluding Submarines revenue to be reported in Energy & Nuclear from FY14



#### **Our 5 priorities**

Fix the Basics – "4C's"

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Wide body civil GTs

Narrow body civil GTs

Medium-speed recips

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Investment choices



#### **Summary**

Strong position in growth markets

Concentrating on what we know

Significant opportunities



## Financial framework

Mark Morris - CFO

19 June 2014

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# Agenda

- Linking strategy to our financial decision framework
- Capital allocation drivers
- Future guidance framework



### Strategy: evolution not revolution

Measured steps to improvement

#### **Our strategy**

#### **Customer**

#### **Innovation**

#### **Profitable growth**

#### **Delivering shareholder value**

- Execute on organic growth programmes
- Exit non-core and underperforming assets
- Drive financial performance (the 4C's)
- Integrate RR Power Systems (Tognum)
- Clear strategy two pillars Aerospace and MIPS
- Disciplined M&A



#### Our decision framework

#### Where we invest

Strategic framework

**Growth markets** 



Technology
Products
Routes to market



Capex/R&D investment M&A

The balancing act Strategic vs. financial Short-term vs. long-term Growth vs. profitability

Maximising long-term value creation

#### How we invest

#### Financial framework

#### **Growth metrics**

- Revenue growth
- > RoS
- > EPS

#### **Capital efficiency**

- > ROCE
- > ROIC
- > IRR/NPV

#### **Financial strength**

- Credit rating
- Net debt/EBITDA
- > FCF



### Importance of credit rating

**Considerations** 

- Long cycle capital intensive business
- > Long term contracts
- Provide confidence to customers and governments
- Access to long term finance (debt capital markets)

Criteria

- Maintain an investment grade credit rating
- Normal target range: A- to A+ through the cycle

**Current rating** 

S&P: A

Moody's: A3



Investing for growth

Capex and R&D Spend

**Sustainable Dividend Policy** 

**Disciplined M&A Policy** 

**Returns of Capital** 

#### Net R&D spend

- Currently 4.9%
- > Ease as a % of revenue as business grows

#### **Capex spend**

- > 3% 5% of revenue through cycle
- > Driving to 4%



Investing for growth

Capex and R&D Spend

**Sustainable Dividend Policy** 

**Disciplined M&A Policy** 

**Returns of Capital** 

- Progressive dividend policy in line with underlying growth
- > Returned £1.65 billion to shareholders over last 5 years
- C Shares maintained for tax efficiency and return flexibility



M&A focus and criteria

Capex and R&D Spend

**Sustainable Dividend Policy** 

**Disciplined M&A Policy** 

**Returns of Capital** 

#### Likely areas of focus

- Composites
- Ceramics
- Gearboxes
- Medium speed
- > Electrical capability
- Supply chain
- Control systems

#### Criteria

- > Strategic fit
- > Synergies quantified and committed to
- > Target ROIC > WACC within 3 years
- IRR to exceed WACC
- ➤ Integration capabilities



Maintaining balance sheet flexibility and efficiency

Capex and R&D Spend

**Sustainable Dividend Policy** 

**Disciplined M&A Policy** 

**Returns of Capital** 

- Strong and efficient balance sheet
- ➤ Net Debt/EBITDA <=1.5x through cycle
- Surplus capital to be returned to shareholders
- ➤ £1 billion share buy-back planned from proceeds of Energy sale
- Board will regularly review other capital return opportunities



In summary

Capex 3%–5% through the cycle; driving to 4% Capex and R&D Spend Net R&D 5%; will ease over time Progressive dividend policy in line with underlying growth **Sustainable Dividend Policy** Focus areas for medium term M&A **Disciplined M&A Policy** Target ROIC to exceed WACC within 3 years of acquisition **Returns of Capital** £1bn share buy-back announced



# **Future guidance framework**

What we will give

	In year	Next year	Medium term outlook (3-5 years)
Group	Revenue PBT Cash flow FCF	Revenue PBT	Revenue RoS Cash flow
Segments	Revenue PBFCT		Civil RoS
Other	Capex R&D spend/charge Civil TCA net debtor FX Tax rate		Civil peak TCA debtor + REC and year



# **Future guidance framework**

How we will give

	In year	Next year	Medium term outlook (3-5 years)
Group	Banded range of figures (Xm to Ym etc.)	Banded range of figures (Xm to Ym etc.)	Banded range of figures or %s
Segments	Banded range of % (X% to Y%)		Banded range of % (X% to Y%)
Other	Approximate figures or banded range		Approximate figure and year



# **Future guidance framework**

When we will give

	In year	Next year	Medium term outlook (3-5 years)
February Prelims	~	-	-
May IMS	~	-	-
July Interims	~	-	-
November IMS	~	(Annual Budget cycle)	(Annual 10 year planning cycle)



### **Summary**

- Clear on our strategy
- Clear on our priorities
- Disciplined approach to capital allocation
- More guidance going forward



# **Break**

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# **TotalCare®**

**Tony Wood** 

19 June 2014

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# **Agenda**

#### 1. TotalCare®

- Business model
- Programme life cycle
- Embedded value risk transfer and growth
- Managing TotalCare® revenue and cost drivers

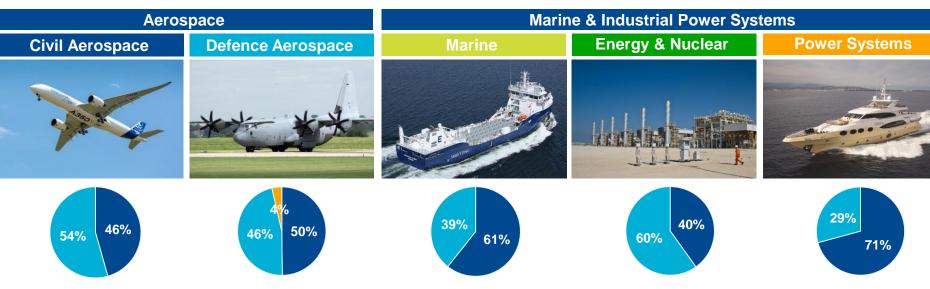
#### 2. Accounting for TotalCare®

- Commercial arrangements and accounting principles
- Accounting mechanics
- Portfolio dynamics



#### **Group business model**

Complex power systems, long service lives, strong positions in growing markets



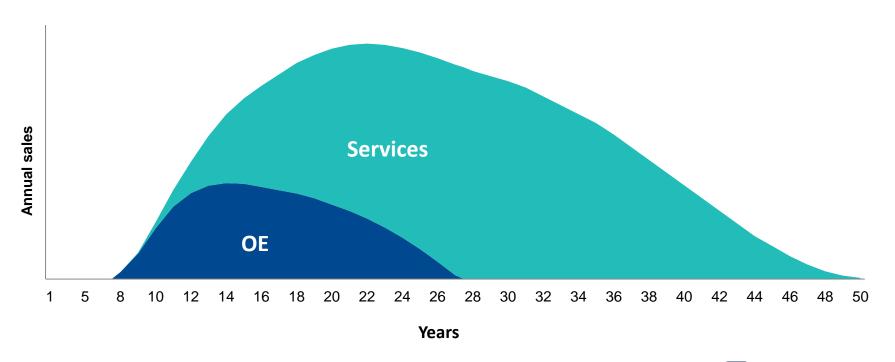
- 47% of FY13 total revenue (£7.3bn) from services
- 47% of FY13 services revenue from Long-Term Services Agreements

OE - Services - Development



#### **Typical programme life cycle**

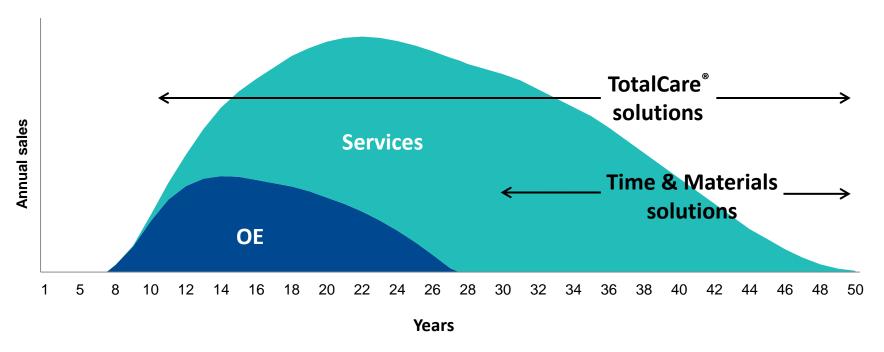
Services revenue is at least 4 times net OE selling price





### **Typical programme life cycle**

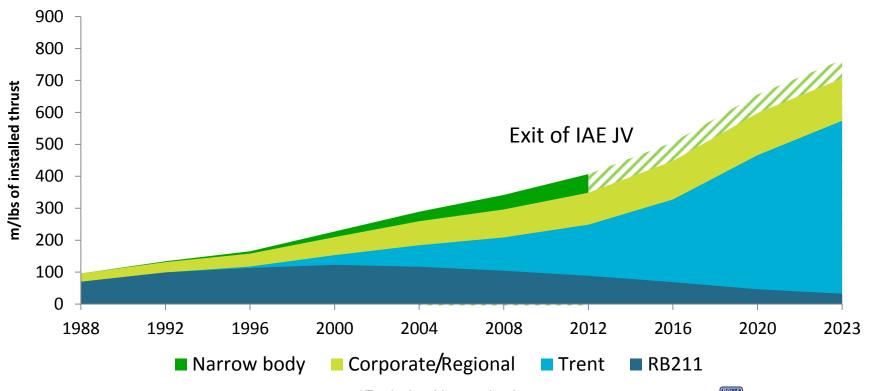
Value from both TotalCare® and Time & Materials





#### **Embedded services value driven by thrust**

Installed thrust doubles by 2023\*

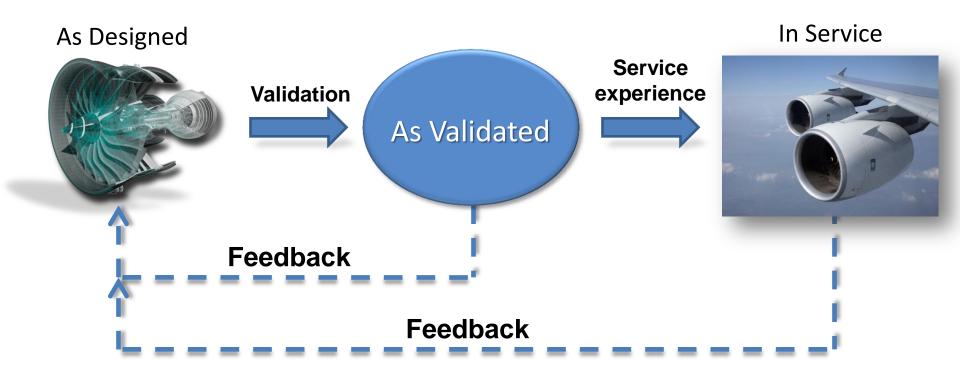


# **Global Service Capability**





### Deep knowledge of our engines as OEM



# **Airline perspective**

Selecting the appropriate support model

- Line maintenance
- Initial provisioning
- Spare engines
- Lease engines
- Rotable assets
- Powerplant engineering
- Engine overhaul
- Maintenance logistics
- Fuel burn optimisation







Balancing risk, capability & cost



# **TotalCare® – value from risk management**

Predictable engine service costs through risk transfer to Rolls-Royce

	TotalCare <sup>®</sup>	Time & Materials
Engine overhaul	✓	X
Engine reliability improvements	✓	X
Engine Health Monitoring	✓	Basic
Fleet management	✓	X
Warranty	<b>√</b>	Basic
Guarantees	✓	<b>√</b>



#### **Revenue drivers**

TotalCare® revenue generation = hours flown x rate per hour

#### **Hours flown**

- Global RPK growth
- ~4000 hrs per engine p.a.
- Minimum utilisation





#### Rate per hour

- Customer mission and service level
- Operational price matrix (de-rate and stage length)



#### **Cost drivers**

TotalCare® lifecycle costs = number of shop visits x cost per shop visit

#### **Number of shop visits**

- Time on wing
- Hours flown
- Mission type



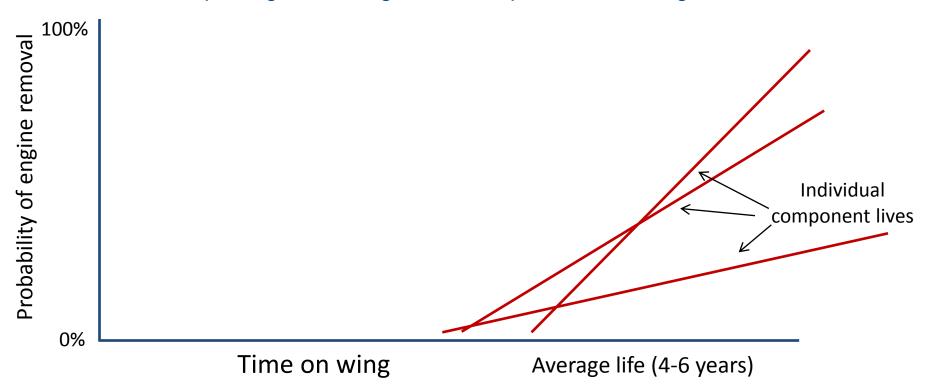


#### Cost per shop visit

- Workscope
- Parts re-used, repaired, replaced
- Overhaul labour

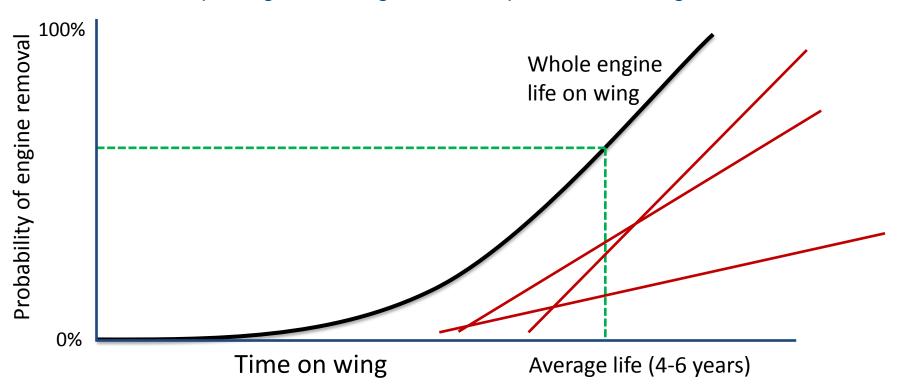


Deep design knowledge enables optimisation of engine life



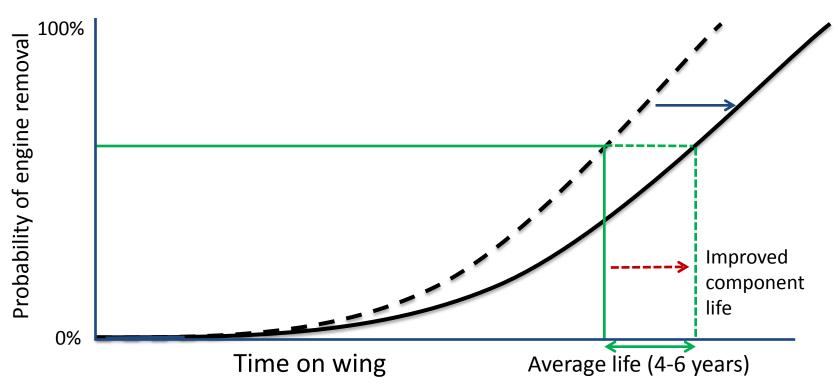


Deep design knowledge enables optimisation of engine life



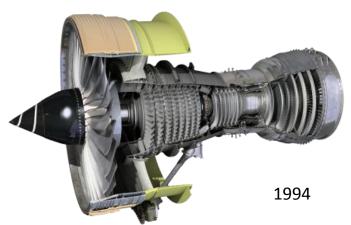


Deep design knowledge enables optimisation of engine life



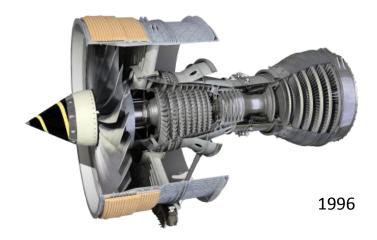


Delivered improvements since EIS



Trent 700

**x2** 



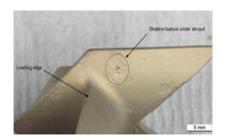
Trent 800

**x2** 



#### **Cost focus**

Driving value through cost reduction



#### Improved inspection criteria

- Life extension

#### **Engine Health Monitoring**

- Deeper understanding of performance





#### Repair technology

- Better component re-use



# **Summary**

- Growing installed base, long services lives, growing markets
- Services at least 4 times net OE revenue through life
- Installed thrust doubles over the next decade
- Best placed as OEM to take on risk and extract value via TotalCare®
- Deep design knowledge enables optimisation of engine life and minimum customer disruption
- Nearly 2 decades of success with TotalCare<sup>®</sup>



# TotalCare® Accounting

#### **Mark Morris**

19 June 2014

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- Accounting mechanics
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### **Our commercial arrangements**

OE commercial terms are agreed with one of 3 parties:

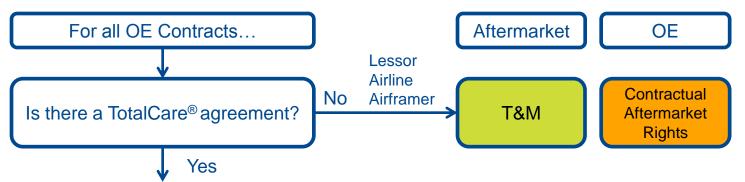
- 1. Airline
- 2. Lessor
- 3. Airframer

Aftermarket commercial terms are agreed with the Airline, either as:

- Time & Materials ("T&M"); or
- TotalCare<sup>®</sup>



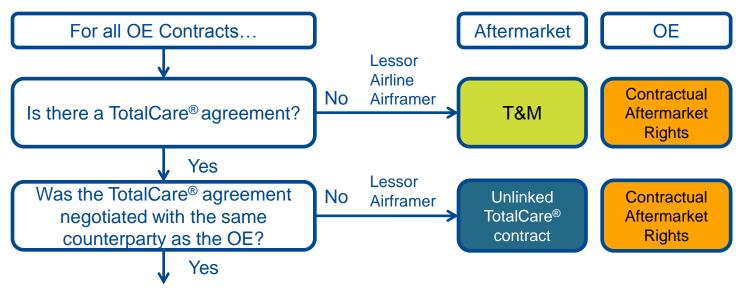
# Linking commercial arrangements to accounting



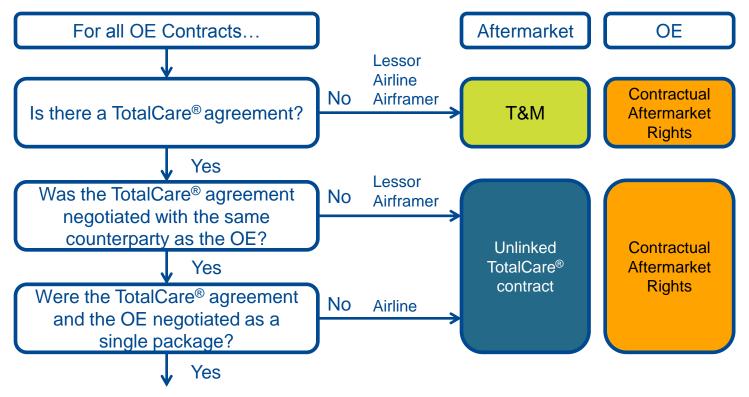


<sup>\*</sup>formerly known as Recoverable Engine Costs (REC)

### Linking commercial arrangements to accounting

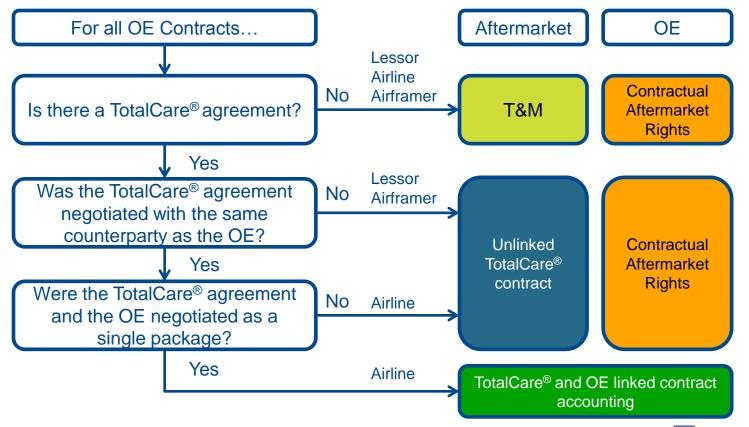


### Linking commercial arrangements to accounting



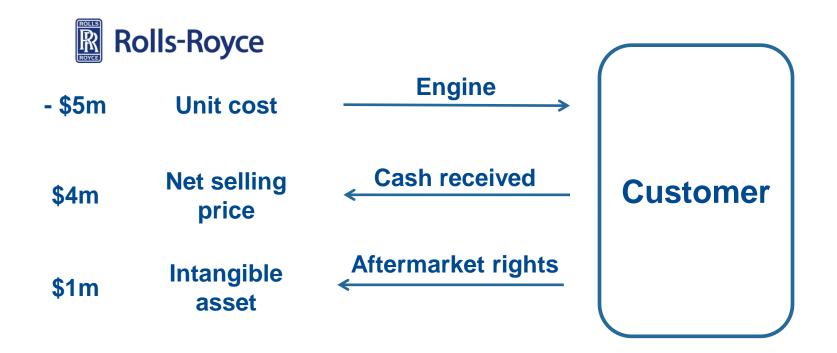


### Linking commercial arrangements to accounting

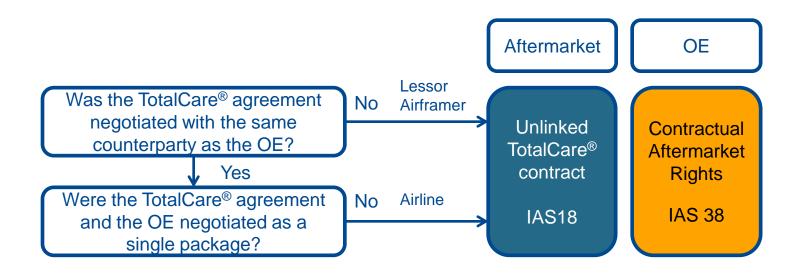




### **Contractual Aftermarket Rights**







Cannot link as not negotiated as a single package as required by IAS11

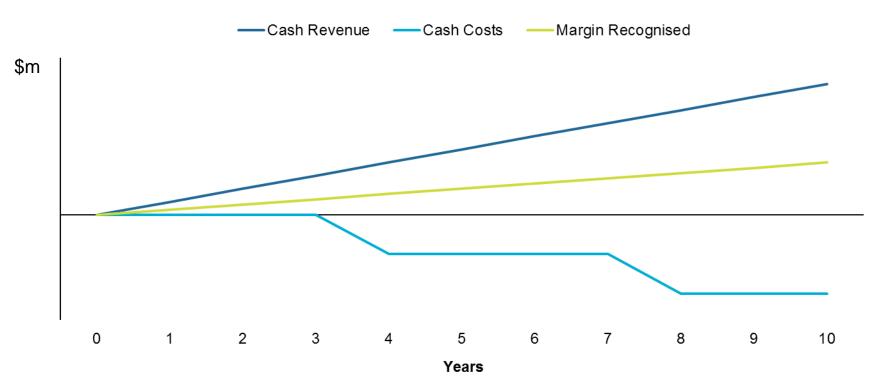


#### Single engine example

Example	Length	Flying hours	Revenue	Cost	Margin
Contract expectations	10 years	40,000	\$10m	(\$6m)	\$4m
Rate per flying hour \$/hr			\$250	(\$150)	\$100
At end Year 1	1 year	4,000			
Revenue			\$1m		
Cost accrued				(\$0.6m)	
Margin					\$0.4m

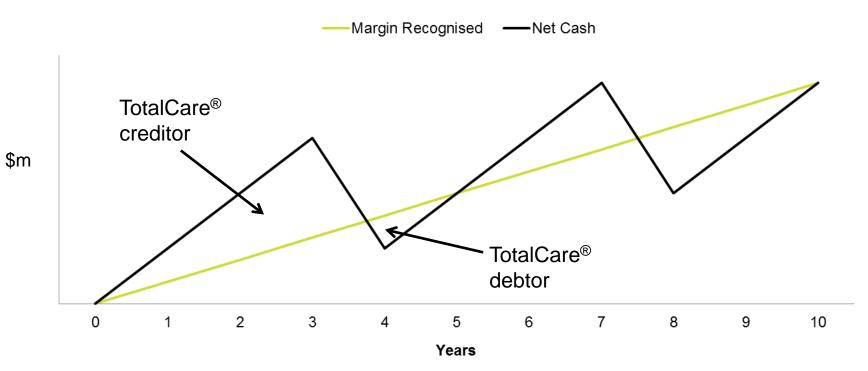


#### Cash vs. margin recognised

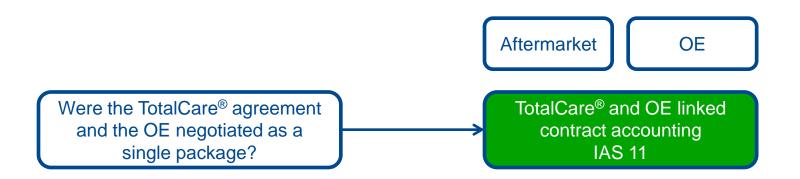




#### Net cash vs. margin recognised







Satisfies IAS11 criteria for accounting as a single contract

- Negotiated as a single package
- Closely interrelated part of a single project with overall profit margin
- Contracts performed concurrently



#### Single engine example

Example \$m	OE	TotalCare® (say 10 years)	Linked
Revenue	10	8	18
Less concessions	(6)	-	(6)
Net revenue	4	8	12
Cost	(5)	(4)	(9)
Cash	(1)	4	3
Overall margin %			25%

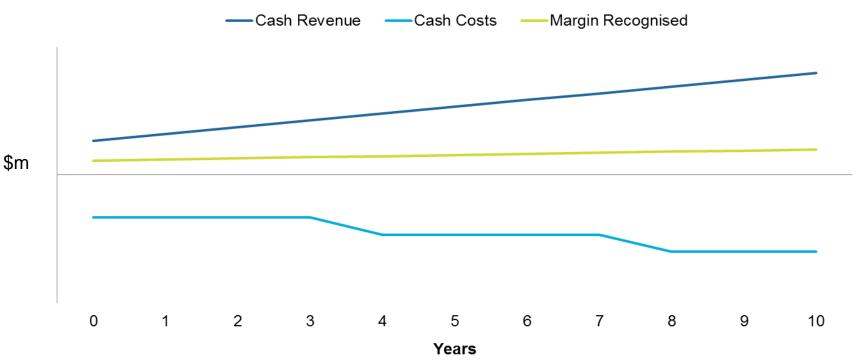


#### Single engine example

Example \$m	OE	TotalCare® (say 10 years)	Linked
Cash net revenue	4.0	8.0	12.0
Margin adjustment	2.7	(2.7)	-
Net revenue	6.7	5.3	12.0
Cost	(5.0)	(4.0)	(9.0)
Profit recognised	1.7	1.3	3
Overall margin %	25%	25%	25%
Cash flow	(1.0)	4.0	3.0
Profit vs. cash	2.7	(2.7)	-

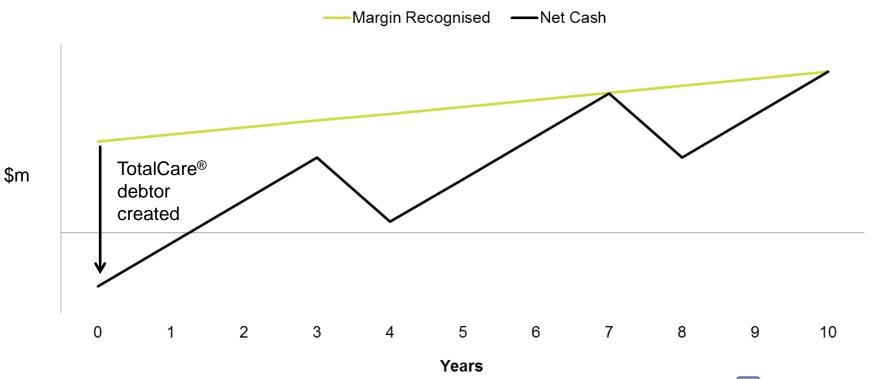


#### Cash vs. margin recognised





#### Net cash vs. margin recognised



### What can change the forecast margin?

**Revenue forecast** 

- Stage length
- Utilisation

Cost and reliability forecast

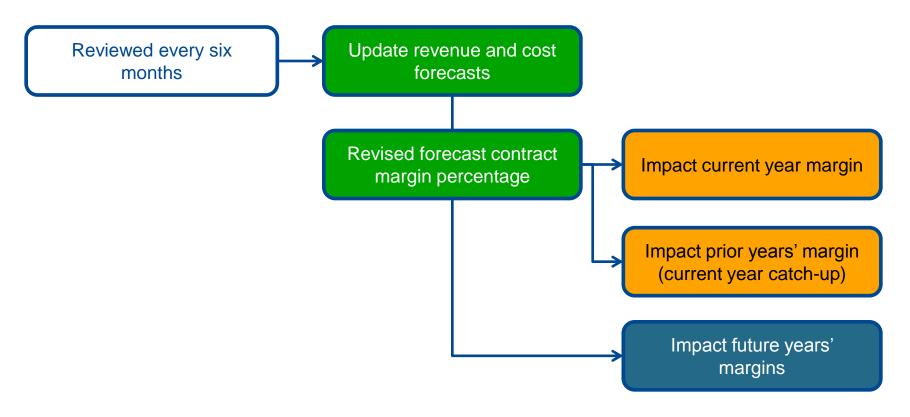
- Time between shop visits time on wing
- Cost at each shop visit
- "Estimation Risk" best estimate of cost

**Asset recoverability** 

- Counterparty risk credit rating
- Fleet fit
- "Valuation Allowance"



#### **Process overview**





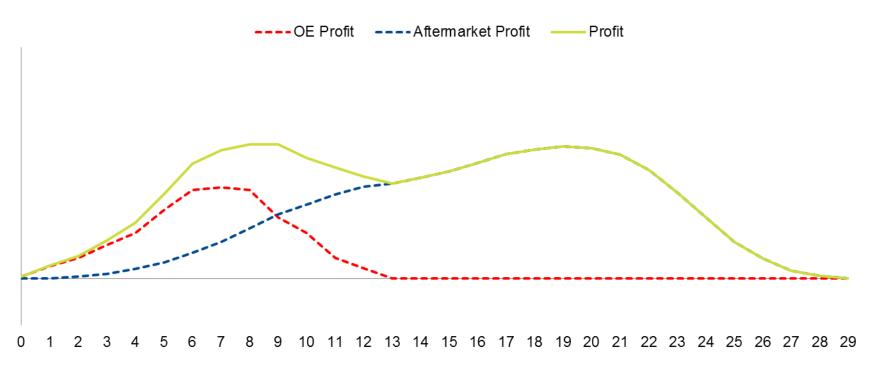
### **TotalCare® accounting summary**

- Unlinked TotalCare<sup>®</sup>:
  - Recognise revenue and accrue costs in line with flying hours
- Linked TotalCare®:
  - Recognise revenue in line with engine delivery and flying hours
  - Accrue Aftermarket costs in line with flying hours
  - Equalised margin percentage across OE and Aftermarket
- Estimation risk and valuation allowances factored into margin
- Relevant standards: IAS 18; IAS 38; IAS 11
- RECs renamed "Contractual aftermarket rights"
- Accounting treatments agreed with the FRC



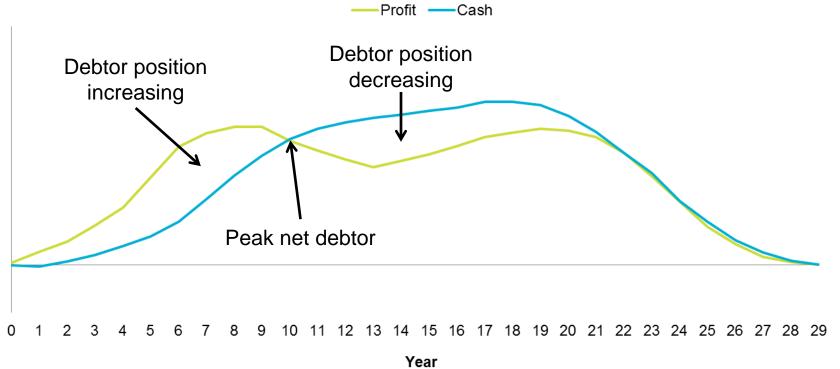
# **Linked TotalCare® programme**

#### **OE** and aftermarket profit



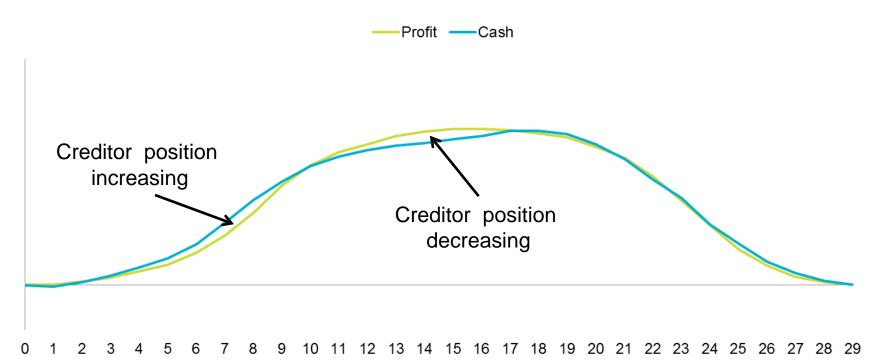
# **Linked TotalCare® programme**

Net cash vs. margin recognised



## **Unlinked TotalCare® programme**

Net cash vs. margin recognised



Year



#### Drivers of the TotalCare® net debtor

**Debtor rises due to:** 

**Debtor falls due to:** 

Linked OE deliveries

Flying hour receipts

- As shop visits take place
- When contract outlook improves i.e. lower forecast costs improved overall profitability

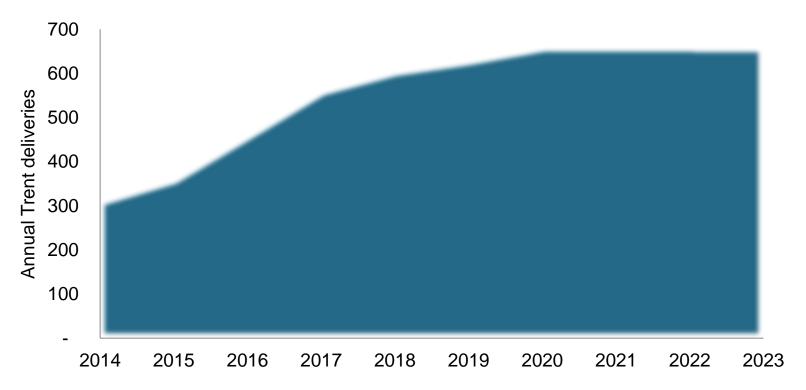
When contract outlook worsens i.e. higher forecast costs

Valuation allowance changes can result in a rise or fall in the debtor



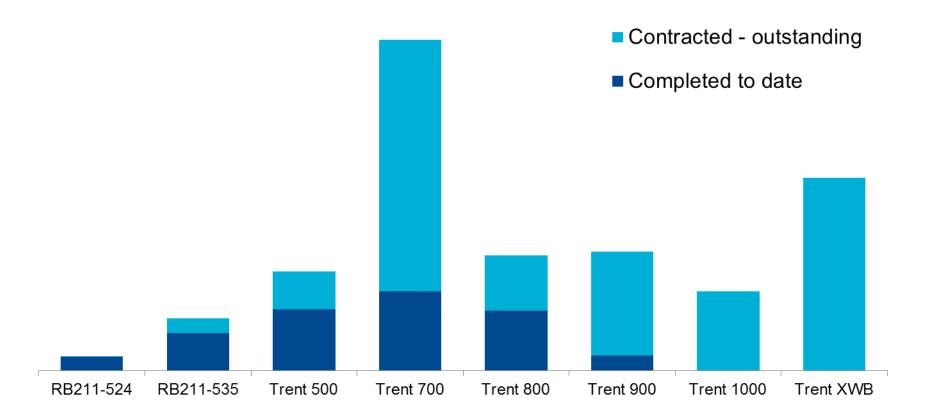
### **Projected Trent deliveries to 2023**

Over 4,000 deliveries vs. over 1,600 in last decade





### **Status of TotalCare® contracts**





## **Accounting for TotalCare®**

Earnings are ahead of cash whilst OE is growing

Significant embedded value in the aftermarket

Strong focus on cost reduction and improving reliability to drive margins and realise the embedded value.

Accounting follows the substance of the commercial arrangements – treatment agreed by the FRC



...

### Summary

Strong position in growth markets

Concentrating on what we know

Significant opportunities





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