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The revenue and profit numbers included in this presentation are calculated using a foreign exchange rate of USD:GBP of 1.25:1 and, unless otherwise stated, growth metrics are at constant currency. Unless otherwise stated, metrics refer to adjusted measures as described in the glossary to the Melrose Industries PLC 2023 Interim Financial Statements and considered by the Board to be a key measure of performance.



### Team and introductions



Peter Dilnot CEO



**Matthew Gregory** CFO



**Joakim Andersson**President, GKN Engines



Russ Dunn CTO



### **Event overview**

### Context

- Melrose evolved into a focused aerospace business post-demerger in April
- Aerospace Capital Markets Event outlined compelling organic equity case in May
- Started journey to aerospace re-rating based on sector and trajectory
- Interim results in September exceeded H1 expectations, raised 2023 full year guidance and initiated share buyback early
- Engines operating margin now expected to be 24% in 2023, ahead of plan
- > New target of >30% operating margin post 2025

### **Event objectives**

- > To showcase in more detail the full quality of the Engines business by:
  - Bringing the breadth and depth of capability to life in person
  - Introducing you to our world class leadership team
  - Highlighting our design and manufacturing skills on the shopfloor
  - Demonstrating our balanced portfolio of business models
- To give confidence on our trajectory and ability to meet stated targets



# Key messages

- GKN Engines has OEM-level capability and responsibility for selected engines which gives more technical and commercial advantages than normal for a Tier 1 supplier
- Leading independent Tier 1 partner to all major engine OEMs with lucrative and diverse RRSP¹ portfolio, providing balance and resulting opportunities
- Strong long-term demand for GKN proprietary breakthrough technologies which will shape new ways for the industry to improve

Trading ahead of plan with the 2023 full year Engines margin guidance raised to 24% Significantly underpinning the 28% margin in 2025 and >30% beyond



# Overview





# Aerospace overview: unique Tier 1 technology supplier

Established positions on



of the world's high volume aircraft<sup>1</sup>



>650

global patents granted



>85% future Engines profit from aftermarket<sup>3</sup>

Engines RRSP<sup>4</sup> aftermarket entitlement on

100%

of legacy narrowbody global flying hours<sup>5</sup>



- 1. All of the world's high-volume platforms based on Airbus and Boeing narrowbody/widebody fleets, plus F-35 and major rotorcraft
- 2. >70% sole source positions based on 2022 revenue mix
- Expected profit split of Engines division in 2025
- 4. Risk and revenue sharing partnerships
- 5. GKN Aerospace's 19 RRSPs are on engines that power 100% of legacy narrowbody hours through CFM56 and V2500 contracts
- 5. Forecast (undiscounted) pre-tax future cash flow from 19 RRSP engines contracts (based on OEM projections) and using a foreign exchange rate of USD:GBP of 1.25:1



## Aerospace overview: two market-leading divisions



**Customers** 

Engine OEMs

**Technology** 

Structural engineered components; parts repair; commercial and aftermarket contracts

**End market** 

74% civil, 26% defence

2023 operating margin

Raised to 24%

Structures

Airframe OEMs

Lightweight composite and metallic structures; electrical distribution systems; components

67% civil, 33% defence

On track for 3%

Engines outperformed in H1 and guidance raised for full year New target of >30% post 2025 announced



# Aerospace overview: 2025 targets significantly underpinned

### **Engines**

Differentiated technology IP, growing aftermarket and RRSPs entering 'sweet spot'

£1.8bn revenue £580m EBITDA £500m operating profit 28% operating margin



£4.0bn revenue £870m EBITDA £700m operating profit 17-18% operating margin

### **Structures**

Deep design and manufacturing capability; embedded OEM positions

£2.2bn revenue £290m EBITDA £200m operating profit 9% operating margin

2023 – 2025 revenue CAGR<sup>1</sup> 11% 2023 – 2025 operating profit CAGR 36%

Engines generates >70% of Aerospace profits in 2025



# Exceptional engines business

GKN components power

**★ 90% ★** 

of all global flights1



First supplier of

# additive fabrication

in serial production

17 out of 19 RRSPs in aftermarket 'sweet spot' RRSP contracts cover

**★ 70% ★** of all global flights²

Only global player on both



- 1. GKN content on ~90% of civil aircraft engines
- 2. Based on flying hours for aircraft with over 100 passengers



# Unique position in the value chain as strategic partner to the OEMs









### **OEM customer / strategic partners**

- > OEMs need strategic partners to develop and fund new programmes
- > Strategic partners contribute design, technology, risk sharing and financing
- > Only a handful of such partners exist
- > Higher margins due to aftermarket access

### **Commercial suppliers**

- > Commercial suppliers contribute with capacity and process know-how
- Competitive environment with lower margins
- > Hundreds of players in commoditised segments

### Forging / casting houses

- > Few large players with strong position
- Typically higher margins
- > Challenging quality and delivery as industry recovers and ramps up

### High barrier of entry to become a strategic partner



# Key messages

1 OEM-level capability

- Exclusive supplier of military engines to Swedish government for over 90 years
- > Integrated design understanding across full engine system

- RRSPs portfolio with all major engine OEMs
- > Portfolio entering 'sweet spot' of highly profitable aftermarket phase
- > GKN designed parts typically last full life of engine resulting in exceptional margins
- Decades of predictable cashflow with total forecast inflow of £20 billion<sup>1</sup>

- Proprietary GKN breakthrough technologies
- Additive fabrication entering serial production with potential to displace large forging and casting over time
- > Only global player currently involved in both next-generation engine programmes

### Ahead of schedule to deliver 28% margin in 2025 and >30% beyond



# Exceptional business attributes

	Barrier to entry	Structurally growing demand	Diversified, established position	Defensible technical advantage, IP	Strong customer pull	Long-term relevance 30yrs+
1 OEM-level capability						
RRSPs portfolio with all major engine OEMs						
Proprietary GKN breakthrough technologies						



# Unique value proposition

1 OEM-level capability

- > Defence knowledge transfers to civil
- > Full systems understanding helps customers
- > Integration knowledge improves GKN parts performance

- RRSPs portfolio with all major engine OEMs
- Surge in aftermarket demand/profit coincides with our RRSPs hitting 'sweet spot'
- Compelling economics and returns lasting over 30 years
- Diversified portfolio covering 70% of all global flying hours<sup>1</sup>

- Proprietary GKN breakthrough technologies
- Huge OEM interest and value from additive fabrication as it addresses forging and casting bottleneck
- > Gains position on next-generation engine RRSPs
- > Positions GKN to play meaningful and rewarding role in future sustainable aviation



# Multiple business models provide a balanced Engines portfolio



A balanced business with strong foundation as a strategic partner



RRSPs: portfolio and mechanics



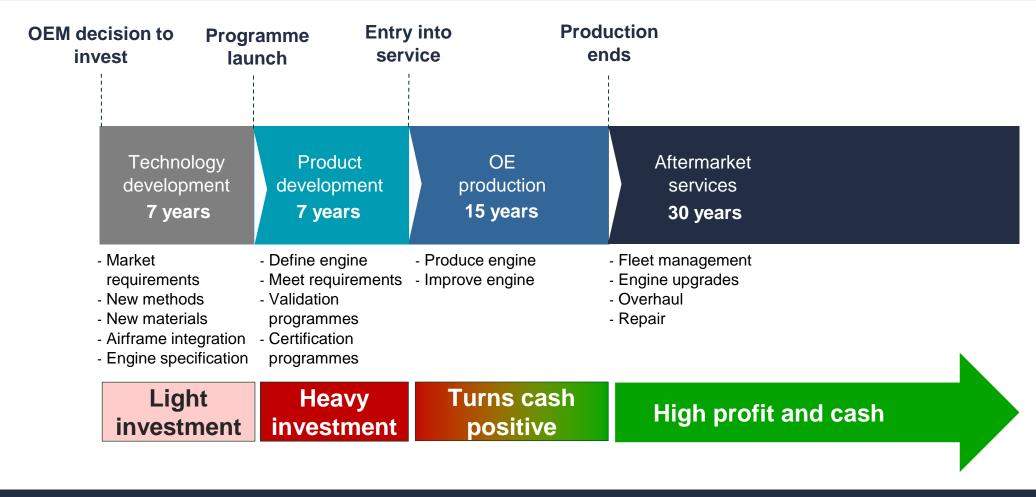


# RRSPs: strong aftermarket demand

- + Flying hours above pre-pandemic levels and structurally growing
- + OEM new build rates constrained by supply chain with record order backlogs
- + Legacy aircraft working for longer, requiring ongoing aftermarket support
- + Shop visits and LLP¹ replacements forecast to grow over next 5+ years
- + MRO shop capacity strained and requiring growth investment supply/demand dynamic and inflation drives higher pricing



# RRSPs: engine lifecycle<sup>1</sup>



17 of 19 RRSPs already in cash generation phase<sup>2</sup>

<sup>1.</sup> Slide shows a typical RRSP lifecycle

<sup>2.</sup> Remaining two RRSPs reach cash generation phase in next five years



# RRSPs: GKN unique portfolio



Heavy investment

Turns cash positive

High profit and cash

CFMI RISE P&W GTF next-gen



Only global player on both next-gen programmes

PW1500G/1900G PW1100G-JM



Fundamentally excellent engine platform with issues being addressed

Trent XWB

**GEnx** 

CFM56 V2500

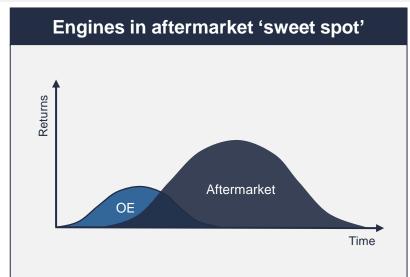


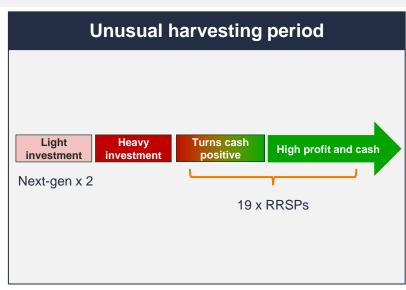
Widebody in strong position as long-haul traffic recovers Only RRSP partner on both key mature narrowbody engines



## RRSPs: unique portfolio and position

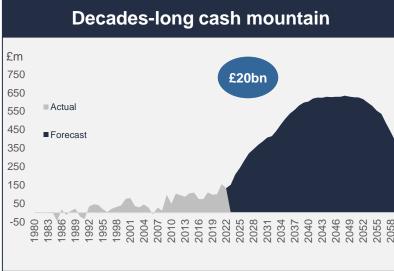
# Aftermarket >2019 levels in 2023; strong structural growth thereafter







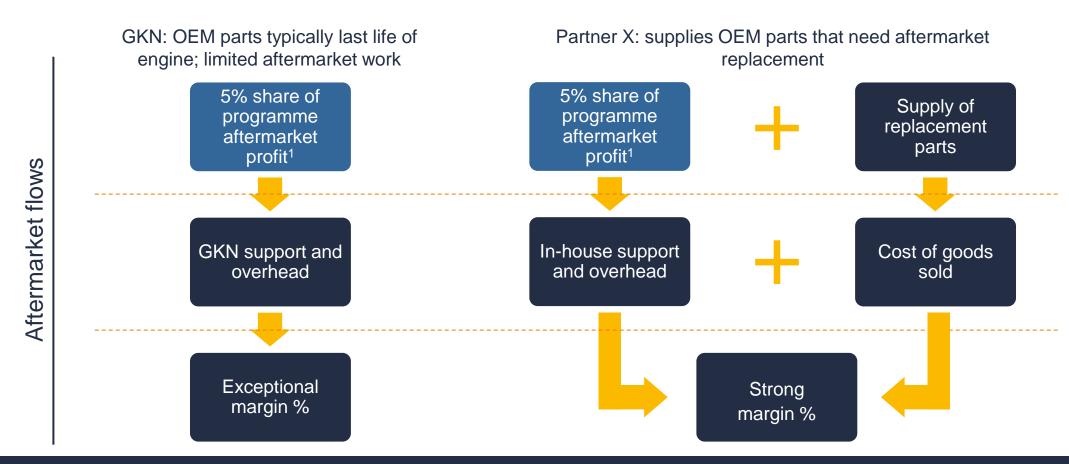






### RRSPs: aftermarket mechanics

Illustrative example of programme partners with 5% share

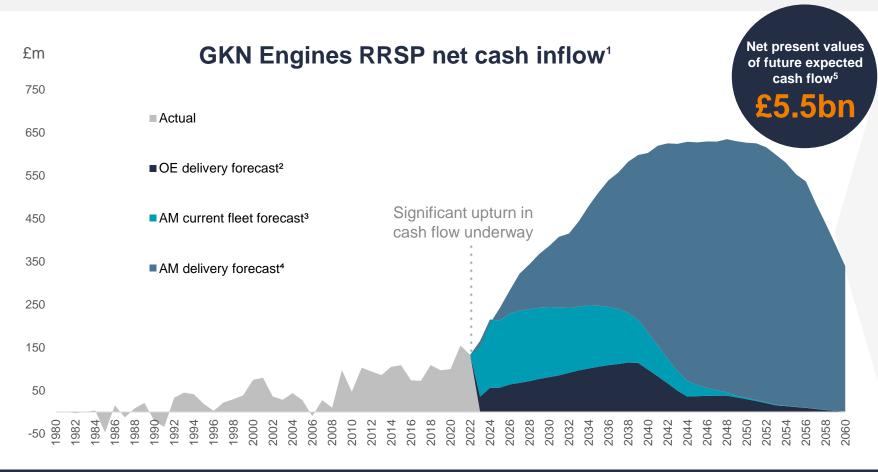


GKN has less RRSP aftermarket revenue than equivalent share partners, but structurally higher margin (%)

<sup>1.</sup> Programme profit recognised in revenue as income from RRSP contract



### RRSPs: cash mountain



- Calculated using industry forecasts with conservative assumptions
- > 17 programmes now in cash generation phase; remaining two programmes turn cash positive in next five years
- Cash and profits now rising as engines are in profitable aftermarket phase
- > GKN parts typically last life-of-theprogramme, limited future cost of sales after engine is sold
- Our RRSP share is recorded as revenue with minimal costs in aftermarket phase, leading to higher margins over time
- Maturity of our programmes means that commercial, technology and warranty risk has reduced and continues to do so over time
- GKN expecting to invest in next-generation engines (e.g. CFM RISE and next-gen GTF); investment and returns not modelled

### Expecting to invest up to 10% of NPV in next generation of engines, no significant funding before 2030

- Pre-tax
- 2. Original equipment (OE) delivery forecast represents the OE sale of expected future engine deliveries on current programmes
- 3. Aftermarket (AM) current fleet forecast includes AM on delivered engines
- 4. Aftermarket (AM) delivery forecast represents associated AM of expected future engine deliveries on current programmes
- Calculation as per Capital Markets Event on 17 May 2023. Using a foreign exchange rate of USD:GBP of 1.25:1 and calculated using a discount rate of 7.5% which is between a debt related discount rate and a GKN Aerospace pre-tax weighted average cost of capital

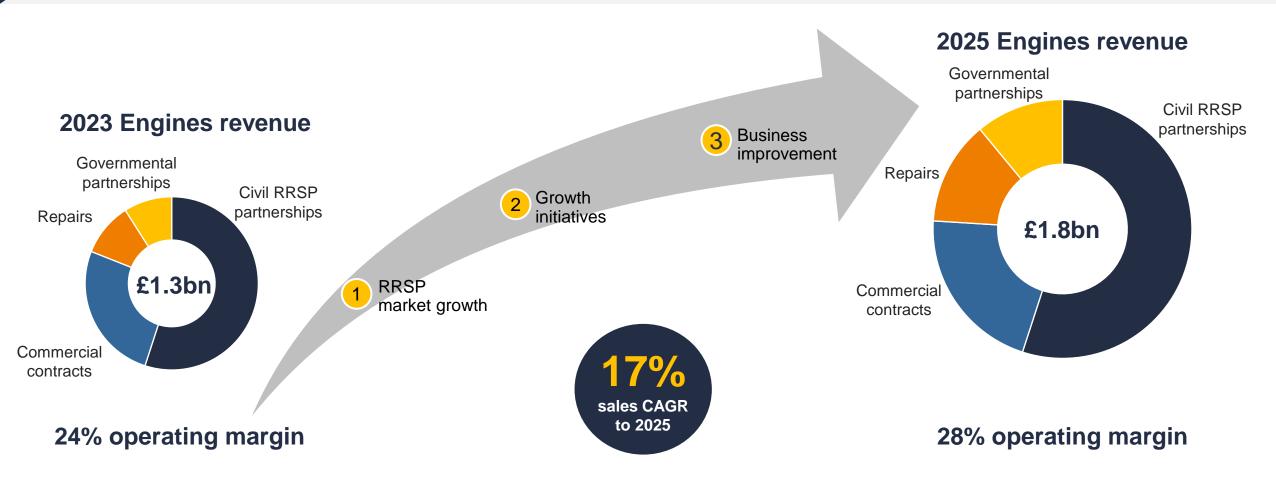


# Financial trajectory



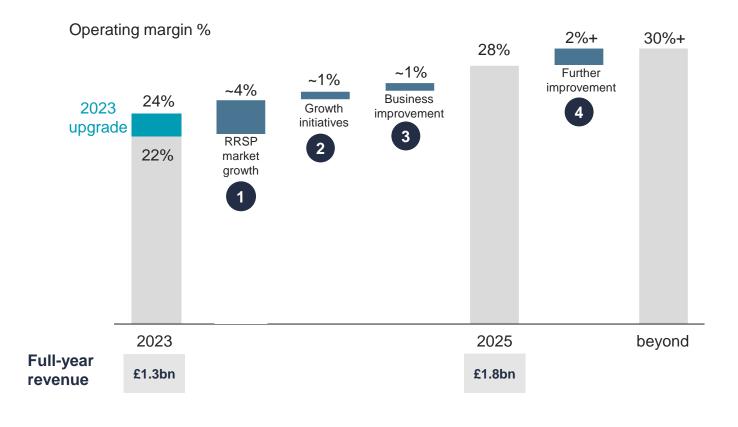


# Multipronged strategy to deliver full business potential





# On track for 28% operating margin in 2025, over 30% beyond



- RRSP portfolio continues to mature and is entering highly profitable aftermarket phase
- Revenue from repair business doubles, contributing to significant increase in profit
- Remaining restructuring and operational excellence programmes finalised
- Further improvement beyond 2025, primarily driven by aftermarket



# Clear momentum to achieve margin targets

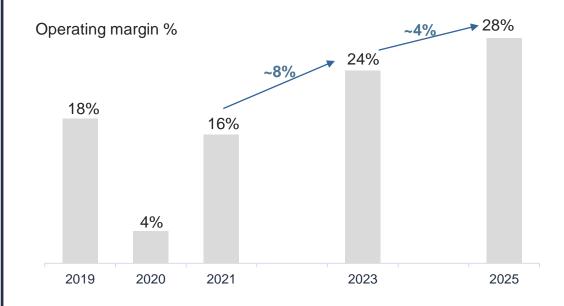
### Gap to target narrowed by a third



### > Drivers for upgrade

- Strong aftermarket performance
- Restructuring benefits ahead of schedule

### Strong trajectory on margin expansion



- > Margin higher than 2019, with recovery from COVID-19 impact
- ~4% further improvement to 2025 target, equivalent to only ~2% per annum



GTF





### GTF situation overview

### Situation

- > GKN Engines has long-standing positive relationship with P&W and RRSP partners through multiple engines including highly successful V2500
- > GTF is fundamentally an excellent engine with leading architecture and fuel economy, plus a long order backlog
- > GTF has early service learnings that are typical of engines in this stage of lifecycle, however, time on wing better than V2500 at this point in the programme lifecycle
- > Main legacy issue is around durability in harsh operating environments, and this is addressed through Block D upgrades which are now incorporated in both MRO upgrades and new engine deliveries
- > Current issue relates to P&W manufacturing process problem with some powdered metal production between Q4 2015 and Q3 2021
- Solobal fleet management plan created by P&W to inspect GTFs that are potentially impacted cost of required work estimated by P&W at c.US\$1.5 billion over four years
- Current MRO capacity and spare parts availability will result in significant queue times while aircraft waiting on ground for required work resulting customer compensation estimated by P&W at US\$4.5 US\$5.5 billion
- > GTF remains well positioned to sustain its position as engine of choice on longer-range A320 fleet in years ahead



## **GTF** implications

### Melrose impact

- SKN has 4% share on PW1100G
- Based on RTX guidance potential cash cost to Melrose is c.£200 million, but it should not be assumed these are all programme costs
- SKN has conservative assumptions on GTF performance given its early stage of lifecycle and positive cash contribution never expected before 2027
- Therefore, no change needed to Melrose profit or balance sheet guidance

### Market consequences

- MRO shop capacity and spare parts challenges
- Legacy engines fly longer with potentially additional 'life extending' shop visits
- Increase demand for aftermarket services and parts on legacy engines
- Industry-wide pricing increases likely for aftermarket given supply and demand issues



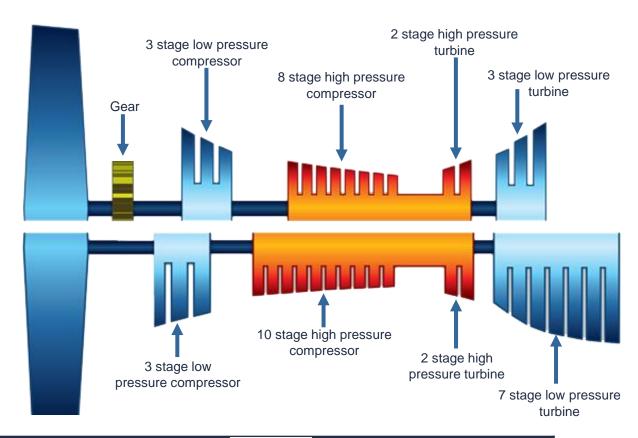
### Architecture for the future

### **Geared turbofan**

- > Ultra-efficient, light-weight, low-speed fan
- Low pressure compressor and low pressure turbine speed optimised

#### Conventional turbofan

- > Fan speed constrained by low pressure spool
- Low pressure compressor and low pressure turbine speed constrained by fan





7% lower fuel burn than predecessor



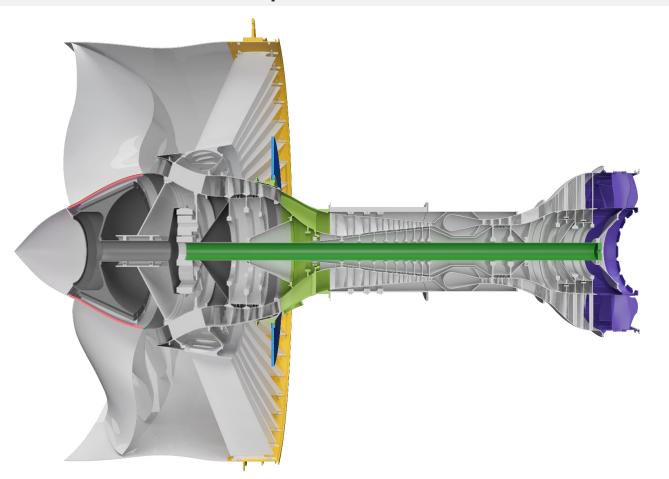
75% reduced noise footprint



100% compatible with SAF1



# GKN Aerospace RRSP content on GTF

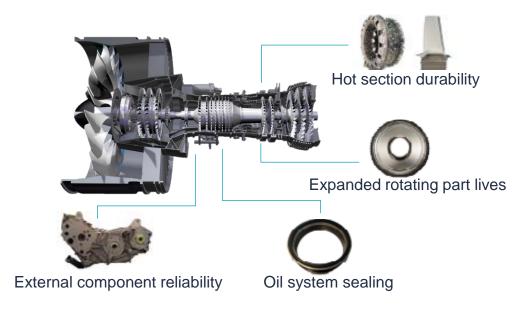


		PW1500G/ PW1900G (24k)	PW1100G (30k)
	Fan spacer	$\sqrt{}$	
•	LP shaft	$\sqrt{}$	
•	Fan case mount ring	$\sqrt{}$	
•	Firewall	$\sqrt{}$	√
•	Intermediate case		√ √
•	Turbine exhaust case	$\sqrt{}$	



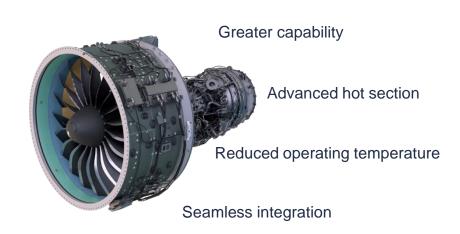
### PW1100G evolution

### Block D – key improvements to date



Durability focused improvements

### **GTF Advantage**

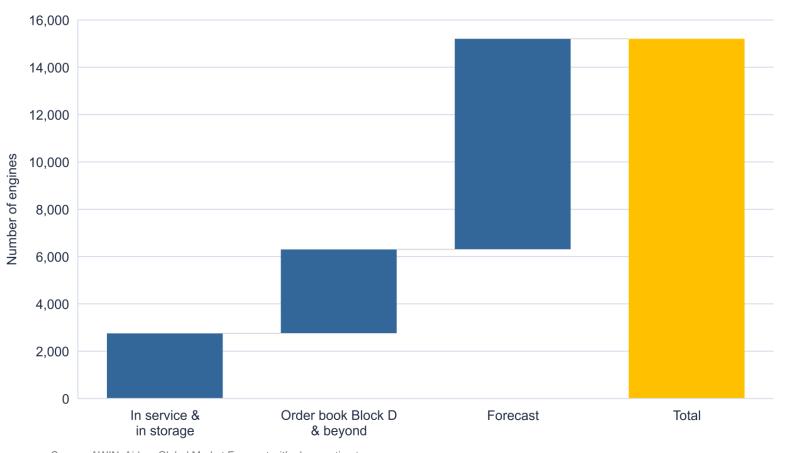


Future higher thrust variant

Current deliveries and MRO upgrades incorporate Block D configuration



# PW1100G engine outlook



- > >15,000 engines expected, majority of which will be GTF Advantage engine
- Market leading fuel efficiency makes GTF valuable, especially for longer range A320 usage and A321XLR

Source: AWIN, Airbus Global Market Forecast with share estimates