

Investor Day

July 17, 2019

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Agenda

- **Company and Strategy**
- Market Overview and Position
- **Operations**:
 - Parts Supply: Trading
 - Parts Supply: OEM Solutions
 - Repair & Engineering
 - S Integrated Solutions
- Digital Initiatives
- **Financial Overview**
- Closing Comments and Q&A





Company and Strategy

John Holmes

Aviation Services Market Expert

Since 1955





Company Overview



Parts Supply

- Serviceable and OEM factory-new parts
- Engine solutions, management, leasing and exchange
- · Aircraft sales and leasing
- Online PAARTS[™] Store

Aviation Services



Repair & Engineering

- Airframe MRO
- Component repair
- Landing gear
- Wheels and brakes
- Engineering services



Integrated Solutions

- Flight hour-based component support
- Contractor logistics support (CLS)
- Performance-based logistics (PBL)

Expeditionary Services



Manufacturing

- Composites: structures
 and interiors
- Mobility Systems: shelters, containers, pallets

65% Commercial and 35% Government



Our Values





FY19 Highlights

- Organic sales growth of 17% from \$1.75B to \$2.05B
- Adjusted operating income growth of 24% from \$90.5M to \$111.8M
- Adjusted EPS from continuing operations growth of 36% from \$1.73 per share to \$2.36
- Implemented U.S. Air Force Landing Gear PBL and U.S. State Department WASS programs involving nearly 1,000 new employees and contractors
- Executed new and expanded distribution agreements with Safran, Woodward, BASF and Ontic
- Formed JV with Napier Park Global Capital to acquire and maximize returns on late-life commercial aircraft

Well-Positioned Heading into FY20 and Beyond



Financial Performance (\$M)



Adjusted Operating Income and Margin



See the Appendix for reconciliations of non-GAAP financial measures

\$2.36 \$1.27 \$1.45 \$1.73 \$6.4% \$1.73 \$1.45 \$1.73 \$6.4% \$1.73 \$1.45 \$1.73 \$1.93% \$1.73 \$1.93%

Adjusted Diluted EPS from Continuing Operations

Invested Capital and Adjusted Pretax ROIC



Corporate Strategy



\$0 to \$2B	Strategic Growth Imperatives		\$2B+
 Entrepreneurial 	Drive connected businesses that reinforce collective growth prospects	v	Fewer, more integrated businesses
✓ Nimble	Expand margins through differentiated capabilities / intellectual property	~	Intellectual property
 ✓ Portfolio 	Utilize data and digital solutions to improve offerings and efficiency	~	Predictable revenue
	Leverage independence to offer OEM/airline alternative	~	Scale, global
	Increase international presence	✓	Entrepreneurial
	Attract, empower and deploy exceptional, entrepreneurial talent		

Be the Leading Independent Aviation Services Provider Globally



Connected Businesses Model

Integrated businesses leveraged to reinforce and grow the whole

Integrated Solutions

- Strategic relationships with airlines, MROs, OEMs and repair vendors
- Fuel parts supply business
- Fund component repair capability development
- Long-term contracts / predictable revenue



Parts Supply

- Transactional data collection
- Exclusive relationships with OEMs and customers
- Inventory pooling with programs

Repair & Engineering

- Strategic relationships with airlines
- Technical repair knowledge and data collection
- Develop parts for internal and external consumption

Unique Value Proposition



Differentiated Capabilities and Predictable Revenue



AAR Investment Highlights





Market Overview and Position

Chris Jessup

Commercial Aviation Services Market Perspective



Source: Oliver Wyman Global Commercial Air Transport Fleet Forecast; Airbus Global Market Forecast

- Projected 10-year global air traffic CAGR of 5%, fueling fleet and aftermarket growth
- Fleet growth led by narrow-bodies
- Continued strong demand forecast for legacy engine materials (8% 10-year real CAGR)
- Airlines continuing to seek integrated component solutions

Large and Growing Market for AAR's Commercial Offerings



Commercial Aviation Services Market Growth by Region



Source: Oliver Wyman Global Commercial Air Transport Fleet Forecast; Scenario variables: Economic growth, passenger traffic, fuel prices and interest rates; real dollars not adjusted for inflation



Government Aviation Services Market Perspective

- Global defense spending at highest level since Cold War
- U.S. DoD spending moderating but still expect ~3-5% near-term growth
- International spend increasing ~5% per year
- U.S. Government shifting towards IDIQs and longer term contracts
- Increasing U.S. Government interest in commercial best practices



U.S. DoD Funding

Source: President's FY18, FY19 and FY20 budget requests; Wall Street research

Strong Global Government Budget Environment



AAR's Global Expertise and Reach



~40% of Commercial Sales Outside the U.S.



AAR's Strong Industry Relationships

Airlines	Cargo Airlines	OEMs	Government
🛞 AIR CANADA	ATLAS AIR	S AIRBUS	Standard House
AIR NEW ZEALAND 😴	Air Transport Services Group, Inc.	BOMBARDIER	
Alaska		FAT•N	A DE DE DE
中國東方航空 CHINA EASTERN		Powening Business Worldwide"	
	FedEx.	GE Aviation	
📥 D E L T A	ups	Honeywell	
flydubai•		<u>A</u>	
	Regional Airlines	LOCKHEED MARTIN	
Jet2.com	Air Wisconsin	NORTHROP GRUMMAN	
_	ENDEAVORAIR	Will Brokt 0 Whitman	1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 -
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🔄 Lufthansa	AIR CLARAGE IN	Raytheon	防衛省 Minister of Defense
Southwest .	MESA AR NES	<u>يالاد</u> Collins	
UNITED		Aerospace	
	SkyWest		





Parts Supply: Trading

Sal Marino

Trading: Key Messages

1

Largest independent aftermarket aircraft and engine parts supplier

2

Market demand for used parts continues at record levels due to continued increase of engine shop visits

3

Expertise to achieve maximum value of aircraft and engines through entire life cycle

4

Industry reputation for "Doing it Right" and "Close to the Customer" business model









Trading: At a Glance

Key offerings

- Part supply solutions
- Engine management
- Aircraft and engine sales & leasing
- 24/7 Aircraft-on-Ground (AOG) support

Product Sales Pratt & Whitney United Technologies Company Comparison Compa

Engine and Airframe



Customers / Partners









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Trading: Value Proposition

AAR Value Proposition

Customer Impact

Extensive offering of aftermarket aircraft and engine parts	Substantial savings over OEM prices	
Worldwide inventory locations	Reduced inventory / lead time	
Understanding customer quality expectations	Delivering valuable KPIs	
Doing business digitally	Ease of transacting	



Mission Be the most sought-after supplier to airlines, MROs and leasing companies



Trading Case Study: Narrow-Body Engine Asset Sales and Leasing

2,000 1,800 84 1,600 1,400 1,200 1,000 1.066 951 951 934 800 850 842 806 600 400 200 0 2019 2020 2021 2022 2023 2024 2025 ■ CFM56-7B V2500-A5 CFM56-5B Source: IBA

Engine Shop Visits

- AAR manages all repairs and exclusive part replacement during overhaul; 65% of engine overhaul cost is in parts
- 22,000 CFM56-5B/7B (A320/737NG) and 7,000 V2500-A5 (A320 family) in service
- 60% of CFM56-7B fleet have not had their first overhaul
- Currently 50% of fleet under OEM/PBH control
- Costs to repair CFM engines expected to double over next decade due to part prices increasing ~6-9% / year



AAR Acquires a Used Engine



- AAR Contracts a Shop
- Work scope engine
- Induct engine for repair



- **Contract Shop Disassembles**
- · Inspect/recertify parts onsite
- AAR routes parts out for repair
- Parts unrepairable and scrap



Contract Shop Reassembles

· Parts that are inspected/repaired

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- Scrap replacement by AAR
- Test cell & certification



AAR Sale / Lease

Trading: Strategic Growth Plan Digital Independer Connected Businesses **Strategic Priorities Key Initiatives** Expand existing programs Grow contractual business CFM56-5B/7B and V2500 opportunities Global leader in AOG Continue to build AOG desk · Enhance digital interface with customers services · Proactively repair engines for sale / lease Expand engine trading Parts readily available to reduce turn time



Parts Supply: OEM Solutions

Eric Young

OEM Solutions: Key Messages

1	

Well-positioned to benefit from system OEM challenges due to OEM alternatives and next-gen platform growth

2

Largest, independent aerospace distributor of engineered products with commercial and government capabilities

3 Differentiated system OEM-centric "sales as a service" business model

Significant growth opportunities with existing AAR OEM partners









OEM Solutions: At a Glance

Key offerings

- Global commercial distribution
- U.S. Government distribution
- Direct sales to foreign militaries
- Consumables and expendables supply chain solutions



Commercial and Government



250,000 unique part numbers sold to over 2,500 unique customers



TechOps



😪 Lufthansa Technik



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OEM Solutions: System OEM Value Proposition

AAR Value Proposition	OEM Impact	
OEM sales force multiplier	Enhance strategy and sales	
Stock globally	Reduced inventory / lead time	
Customer service	Reduced overhead. Simplify processes	
Large stocking PO's	Procurement & production proficiency	



Mission Enhance OEMs' aftermarket growth while reducing overhead and invested capital



OEM Solutions Case Study: Safran Award



OEM Dynamics:

- Competitive PMA and surplus threats
- · Limited stocking locations
- Varied sales reach among certain geographies
- · Limited sales reach among repair shops
- · Limited e-commerce sales capabilities

Differentiated AAR Solution:

- Independent with platform agnostic position and no conflicts of interest
- ✓ Analytics-driven sales opportunity targeting approach
- ✓ 10 global stocking locations, 100+ sales people with even global coverage
- Existing broad reach across repair shops with ability to bundle exclusive offerings with existing portfolio
- ✓ E-commerce capabilities reflecting real-time inventory positions



Objective Enhance Safran's customer service, market share and sales leveraging AAR's scale, focus and independence



OEM Solutions: Strategic Growth Plan









Repair & Engineering

Brian Sartain

Repair & Engineering: Key Messages







Repair & Engineering: Overview





Repair & Engineering: Value Proposition

AAN Value Proposition	
Large flexible network	Customer focused solutions that leverage AAR capabilities
Independently developed proprietary repairs	Flexible solutions providing lowest cost to our customers
Digital / technology investments	Customer facing solutions and efficiency
Vertical capabilities to support legacy fleets	One stop shop for all processes leading to best in class support

Customer Impact



AAR Value Proposition

Mission Provide cost-effective, independent third party MRO service for airframe and landing gear



Repair & Engineering Case Study: Leveraging the AAR Portfolio

Integrated portfolio of services as a competitive advantage

- Our portfolio of services offers unique value proposition
 - Engine surplus
 - High value landing gear assets
 - Engineering services
- Deep customer relationships as an airframe MRO
 - Combining multiple services
 - Coordinated maintenance scheduling
- Optimized monetization of assets for partners and shareholders
 - Highest value package to the customer
 - Harvesting value utilizing best trading business in the industry




Repair & Engineering Case Study: Hangar Technology

Explore utilization of emerging technology in MRO facilities to drive efficiencies

- Augmented reality (AR)
 - Remote expert / leverage skilled labor pool
 - Remote collaboration with engineers
 - Reduce potential quality escapes
- Drones
 - Reduce induction time
 - Create digital trail of completed work
- Paperless hangar
 - Creation of digital routine and non-routine task cards
 - Integration of labor, skill set and material requisitions
 - Increase production efficiencies











Repair & Engineering: Strategic Growth Plan



別 **Key Initiatives Strategic Priorities** Services as value with partner airlines Leverage AAR portfolio as Flexible network delivering all AAR solutions a competitive advantage Only company with this breadth of offerings Maximize customer profitability Paperless hangar Digital and proprietary DER and PMA utilization ÍÌÌ innovations Automated aircraft inspection Reduced turnaround time EAGLE Career Pathway Program Enhanced recruiting / retention MRO employer of choice Improved throughput / efficiencies Expanded man-hour capacity 37



Integrated Solutions

Nick Gross

Integrated Solutions: Key Messages











Integrated Solutions: At a Glance

Commercial: Flight-hour-based component support | Government: Contractor Logistics Support, supply chain management

Planning	Supply Management	Repair Cycle Mgmt	Technical Engineering	g Maintenance
 Inventory and materials planning 	 Aggregated and leveraged company- wide spend 	 Integrated processes, tools and people 	 Removal history and reliability databases 	 Total Solutions across all lines of maintenance
 Tight linkages to customer operations planning 	 Center-led with on-site coordination and control 	Balanced mix of front- and back- office personnel	 On-staff engineers (DERs) Configuration 	Integrated quality and supply maintaining configuration and traceability
 Shared, pragmatic graduate personnel 	Real-time supplier management tool	 Active tools to increase time on wing and reduce life cycle cost 	management support	Deployable field teams including downed aircraft recovery
	"Та	ilored, deployable, scala	ble"	
X	E Stre	×		
46 comme governmen		250,000 repair transactions	\$4B government assets managed	55% of IS-G workforce cleared

Integrated Solutions: Value Proposition

AAR Value Proposition

Mission

Customer Impact

Close to the customer business model	Proactively ensures uninterrupted support and resolve problems	
Strategically located logistics network	Quick response with reduced inventory / lead time	
Global footprint of 36,000 pre-qualified vendors	Immediate supply chain support with enduring resiliency	
Unified cross-functional program management	Responsive, scalable solutions with 360 ^o perspective and input	



Premier provider of global aviation sustainment services, leveraging the full spectrum of AAR's capabilities with a strong commitment to "Doing it Right"



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Integrated Solutions Case Study: USAF Landing Gear PBL Transition

Privatize legacy commodity sustainment to drive cost savings and improve availability

Revitalize

- · Increase approved sources and competition amidst obsolete supply chain
- Develop technology and capability to sustain product lines for 15 years
- · Reverse engineer parts no longer available

Optimize

- Create real-time web-based tracking & management tools integrated with USAF systems
- Develop an agile, responsive, and scalable supply chain

Commercialize

- · Diversify sources of repair including partnering with USAF depot to increase capacity
- Utilize market and reliability data to achieve increased performance and deliver data to Air Force systems
- Make long term investments and establish long term supplier contracts above and beyond Air Force budget restrictions





Integrated Solutions: Strategic Growth Plan



Strategic Priorities	Key Initiatives
Market leading provider of Contractor Logistics Support to the USG	 Leverage and build past performance record Identify, develop and retain top talent with direct platform knowledge Build on existing IDIQs
Enhance and grow commercial programs	 Continue to build out scalable infrastructure Leverage digital tools to drive efficiency Focus BD on scalable fleets
Further integrate full spectrum of AAR's capabilities across IS	 Strengthened capabilities and credibility Bring commercial best practices to the USG Internal capability analysis across all programs
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Digital Initiatives

John Holmes

Digital Strategy

Transform the way AAR interacts with and serves its customers

Support existing AAR products and services

- **eCommerce**: Buy, sell, exchange and repair parts
- Asset & Data Sharing: Pool assets, share data, open source analytical tools
- Mobile Applications: Available any time, any where

Develop, market and sell new standalone services

Develop new digital products and services

- Technology: software, advanced data analytics, network-based solutions
- Simple, intuitive user experience
- Focus on "underserved" areas (e.g., repair management, electronic task cards, advanced analytics)



Selected Digital Offerings

PAARTS™ Store

E-commerce portal



- >1 million parts available online
- Factory-new parts from >30 OEMs
- Overhauled, serviceable and repairable parts
- Immediate purchase and checkout

AIRvolution[™]

Parts repair management software



- Cloud-based solution for aircraft component repair management
- Maximizes repair cycle efficiencies and reduces operational costs
- Integrates with existing systems

~\$25M of Sales from Digital Initiatives







- Online self-service tool for flighthour component support customers
- Access to pool parts, required paperwork ahead of part shipment and tracking of orders in real time



Financial Overview

Sean Gillen

Key Messages



Strong historical performance and continued supportive macroeconomic environment



Continued opportunity for growth, new business wins and increased market penetration

3

Disciplined capital allocation framework and strong balance sheet expected to drive shareholder value



Continued growth expected in revenue and earnings









Historical Financial Performance (\$M)



Adjusted Operating Income and Margin



See the Appendix for reconciliations of non-GAAP financial measures

\$2.36 \$1.27 \$1.45 \$1.73 \$6.4% \$1.73 \$1.45 \$1.73 \$6.4% \$1.73 \$1.45 \$1.73 \$1.73 \$1.73 \$1.45 \$1.73 \$1.93% \$1.73 \$1.75

Adjusted Diluted EPS from Continuing Operations

Invested Capital and Adjusted Pretax ROIC



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Key Long-Term Financial Targets



- Organic sales growth of 5%-10%
- Earnings per share growth of 10%-12%
- SG&A as % of sales to 10% or less
- Year-over-year improvement in working capital turnover and ROIC
- Max leverage of 3.5x EBITDA

Capital Allocation Framework

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Maintain Flexible Balance Sheet

Organic Investment to Drive Growth

Opportunistic Acquisitions

Return to Shareholders

- Current leverage of 0.7x net debt / Adjusted EBITDA; S&P BB+ credit rating
- Maintain conservative, low cost and flexible balance sheet
- Max leverage ratio of 3.5x EBITDA
- Support new business wins in Parts Supply and Integrated Solutions
- Investment in attractive assets for Parts Supply, especially Engine Parts
- New / enhanced capabilities in MRO
- Adherence to strategic filters and financial criteria
- Focused on expanding contractual revenue
- Increase intellectual property in portfolio
- Maintain dividend of \$0.075 per share per quarter
- Initiated \$250M Share Repurchase Program in July 2017; repurchased \$23.4M
- Remaining authorization of \$226.6M



M&A Approach

Strategic Focus Areas

- ✓ Value-added / IP-enabled parts platforms
- Differentiated component repair capability
- Enhanced scale and OEM relationships in distribution
- Integrated Solutions scale and gov't past performance
- Unique digital / data tools

Criteria

- ✓ Accelerates strategic priorities vs. organic tactics
- ✓ Growth and/or margin accretive
- After-tax IRR exceeds target's WACC
- ✓ Max leverage of 3.5x within 12 months*



* Exclusive of one-time integration costs and inclusive of cost synergies



FY20 – Financial Guidance

P&L Metrics	FY20 Guidance
Sales	\$2.1 to \$2.2 Billion
Diluted EPS	\$2.45 - \$2.65
Other Metrics	
SG&A % of Sales	~ 10.5%
Effective Tax Rate	24%





Closing Comments

John Holmes

Summary

- End markets healthy and growing
- Unique combination of integrated aftermarket offerings
- \$10.2B business development pipeline
- Talented and motivated leadership team
- Strong balance sheet
- Continuing to execute on strategy to drive margins and scale

Leading Independent Aviation Services Provider Globally



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Appendix

Non-GAAP Financial Measures

Adjusted operating income, adjusted diluted earnings per share from continuing operations, adjusted return on invested capital, adjusted EBITDA, and net debt are "non-GAAP financial measures" as defined in Regulation G of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). We believe these non-GAAP financial measures are relevant and useful for investors as they provide a better understanding of our actual operating performance unaffected by the impact of certain items. When reviewed in conjunction with our GAAP results and the accompanying reconciliations, we believe these non-GAAP financial measures provide additional information that is useful to gain an understanding of the factors and trends affecting our business and provide a means by which to compare our operating performance against that of other companies in the industries we compete. These non-GAAP measures should be considered as a supplement to, and not as a substitute for, or superior to, the corresponding measures calculated in accordance with GAAP. Adjusted EBITDA is income from continuing operations before interest income (expense), other income (expense), income taxes, depreciation and amortization, stock-based compensation and other items of an unusual nature. These non-GAAP measures exclude items of an unusual nature including but not limited to certain income tax benefits, severance, restructuring costs, facility repositioning costs impairment charges, and significant customer bankruptcies.

Pursuant to the requirements of Regulation G of the Exchange Act, we are providing the following tables that reconcile the above mentioned non-GAAP financial measures to the most directly comparable GAAP financial measures:



Non-GAAP Financial Measures

Adjusted Diluted EPS from Continuing Operations

	FY2016	FY2017	FY2018	FY2019	
Diluted EPS from continuing operations	\$ 1.30	\$ 1.51	\$ 2.11	\$ 2.40	
Deferred tax re-measurement from Tax Reform	-	-	(0.41)	-	
State income tax benefit	-	-	(0.06)	(0.15)	
Recognition of previously reserved income tax benefits	-	-	-	(0.19)	
Other income tax benefits	(0.07)	-	-	-	
Customer bankruptcy charge, net of tax	-	-	-	0.27	
Gain on asset disposal, net of tax	-	(0.08)	-	-	
Facility repositioning and impairment costs, net of tax	0.02	-	-	0.02	
Severance and restructuring charges, net of tax	0.02	0.02	0.09	0.01	
Adjusted Diluted EPS from Continuing Operations	1.27	1.45	1.73	2.36	

Adjusted Return on Invested Capital

	FY2016		FY2017		FY2018		FY2019	
(in millions)								
Operating income	\$	75.5	\$	82.3	\$	86.0	\$	98.3
Customer bankruptcy charge		-		-		-		12.4
Gain on asset disposal		-		(2.6)		-		-
Facility repositioning and impairment costs		1.0		-		-		0.9
Severance and restructuring charges		1.3		0.8		4.5		0.2
Adjusted operating income		77.8		80.5		90.5		111.8
Invested capital		739.0		851.0		983.0	1,	023.0
Adjusted return on invested capital		10.5%		9.5%		9.2%		10.9%

Non-GAAP Financial Measures (Cont'd)

Adjusted EBITDA

	FY20	
(in millions)		
Net income	\$	7.5
Loss from discontinued operations		76.6
Income tax expense		4.9
Other expense, net		0.8
Interest expense, net		8.5
Depreciation and intangible amortization		42.8
Customer bankruptcy charge		12.4
Severance charges		0.2
Facility repositioning costs		0.9
Stock-based compensation		13.5
Adjusted EBITDA		168.1

Net Debt to Adjusted EBITDA

	5/31/2019		
(in millions)			
Total debt	\$	142.9	
Less: Cash and cash equivalents		(21.3)	
Net debt		121.6	
Adjusted EBITDA for fiscal 2019		168.1	
Net debt to adjusted EBITDA		0.72	

