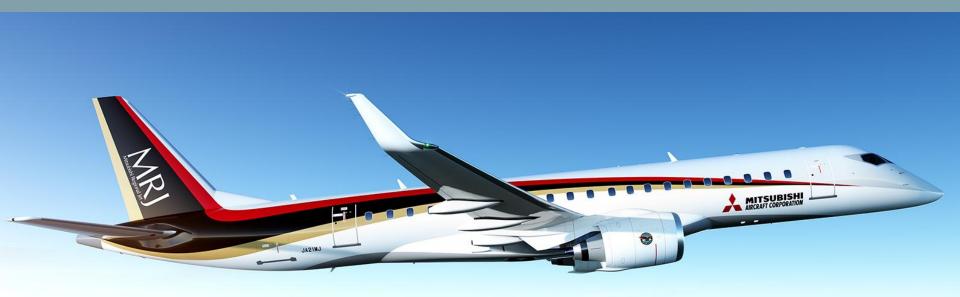
MOVE THE WORLD FORW➤RD

MITSUBISHI HEAVY INDUSTRIES GROUP

Regional Market Outlook





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Mitsubishi Aircraft Corporation, America
September 24th, 2018

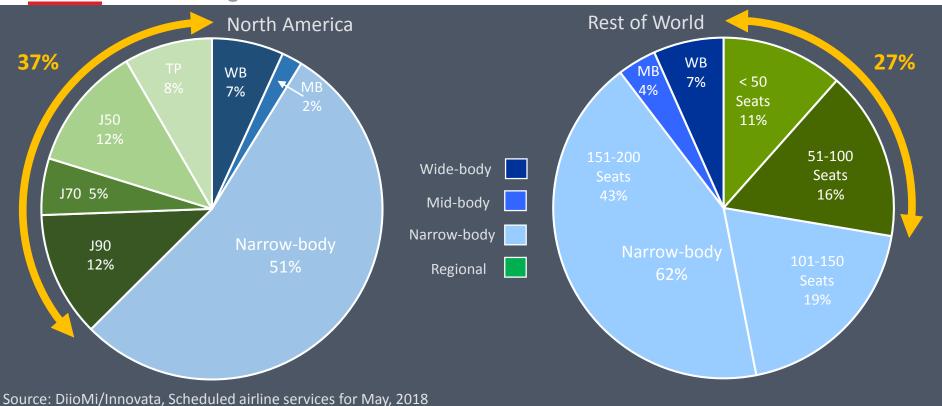
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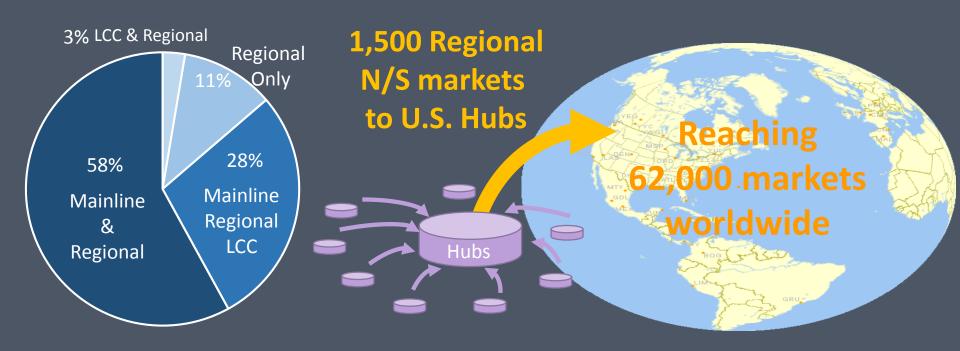
Global Trend - Regional Aircraft: Between ~ 30% to 40% of Services Worldwide







Regional Aircraft - Service Multiplier "Connectivity" in Hub and Spoke Systems



Source: DiioMi/Innovata, Scheduled airline services for May, 2018, US DOT DB1B, Q1 2018, Mitsubishi Aircraft estimate, Maps generated by the Great Circle Mapper (www.gcmap.com) - copyright © Karl L. Swartz.







From Steamships to Spaceships: 130+ Years of Engineering Excellence at MHI







Mitsubishi Aircraft Corporation and the Mitsubishi Regional Jet (MRJ)





Parent company with 130 years of design and engineering experience



Company formed in 2008, headquartered in Nagoya, Japan

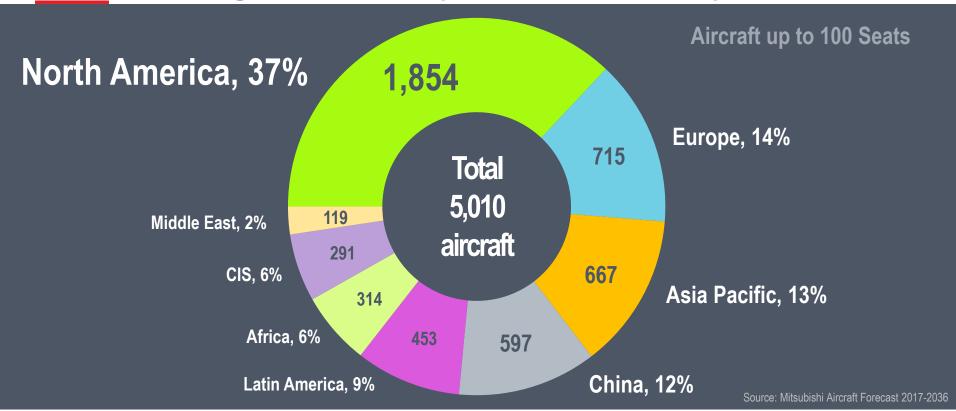


Clean sheet design family of regional jets





Global Trend - Regional Aircraft: Replacement in US & Europe, Growth in ROW

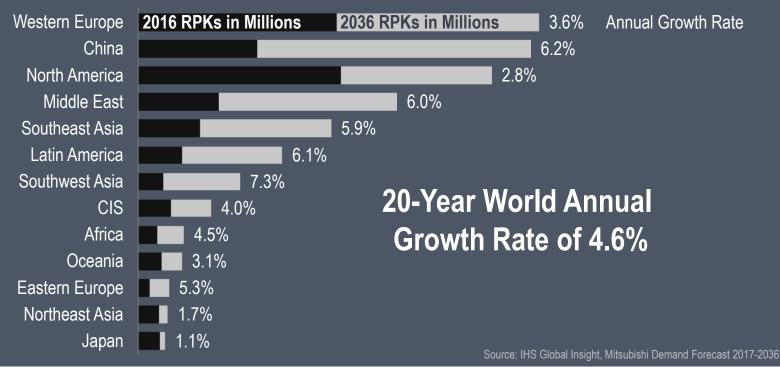






World RPK Annual Growth Rate Forecast at 4.6%; Mature Markets are Resilient

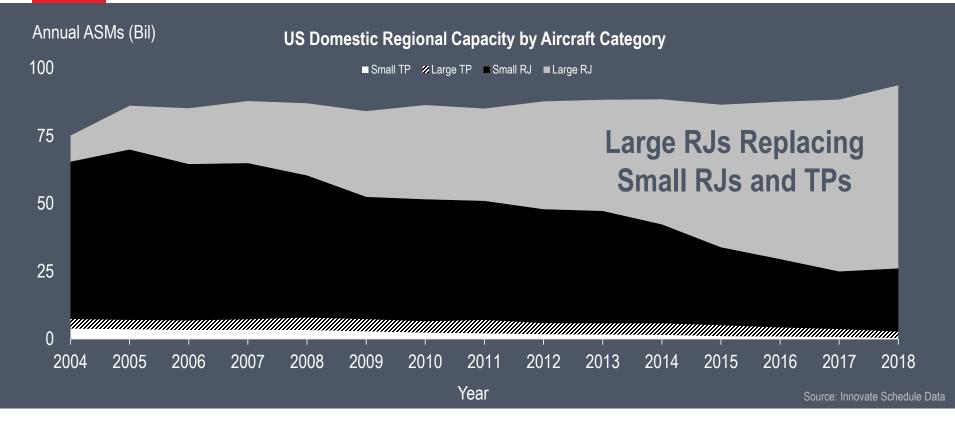








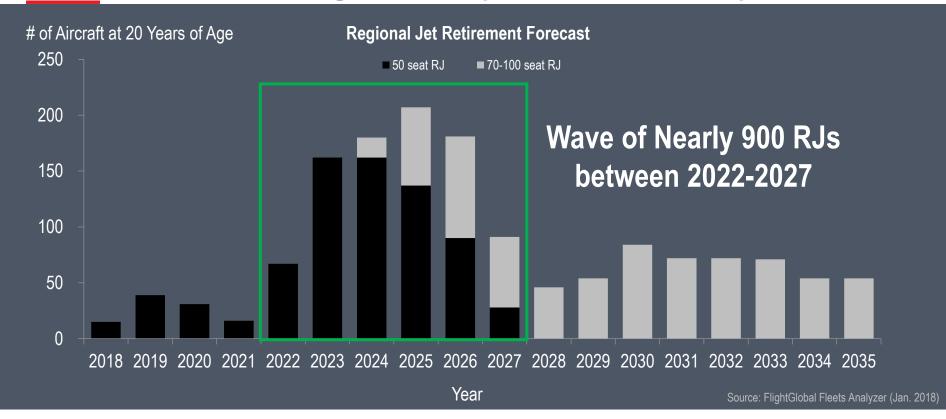
North America: Regional Capacity is Steady, with Gradual Shift to Large RJs







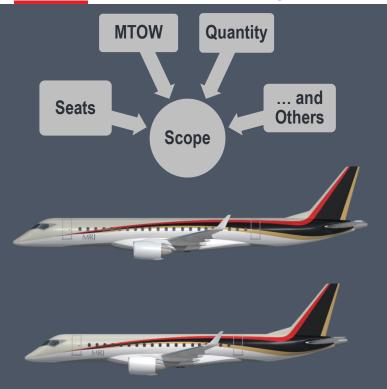
North America: Wave of Regional Jet Replacement Demand Expected







North America: US Scope Clause Will Continue to Play Key Role



Future of Scope Difficult to Predict

Current scope expected to continue near-term; however, history has shown relaxation post-EIS of new generation aircraft

MRJ90: Positioned for US Scope Relief

MRJ product family serves global demand with MRJ90 being eventual 76-seater for US

MRJ70: Only Clean Sheet Regional Jet Scope Compliant Today





North America: Regional Pilot Shortage is Real

	Small RJ	Large RJ
Seats per Aircraft	50	70
Daily Market Seats Needed	500	500
Flights Needed	10	8

Staffing 50-Seaters Becomes Challenging

Cascading effect: Pilot outflow is high due to retirements, growth in mainline fleets, staffing of larger RJs, and military pilot retention

If more flights are needed, then more pilots are needed



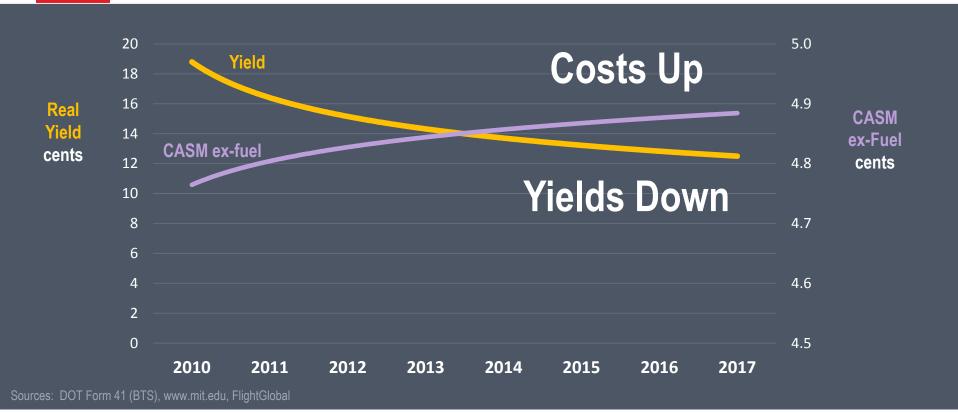
MRJ70: Helps Address Labor Shortage while being Scope Compliant Today

Only new generation jet in the "sweet spot" for replacing 50- to 70-seaters; maintains capacity in regional markets.





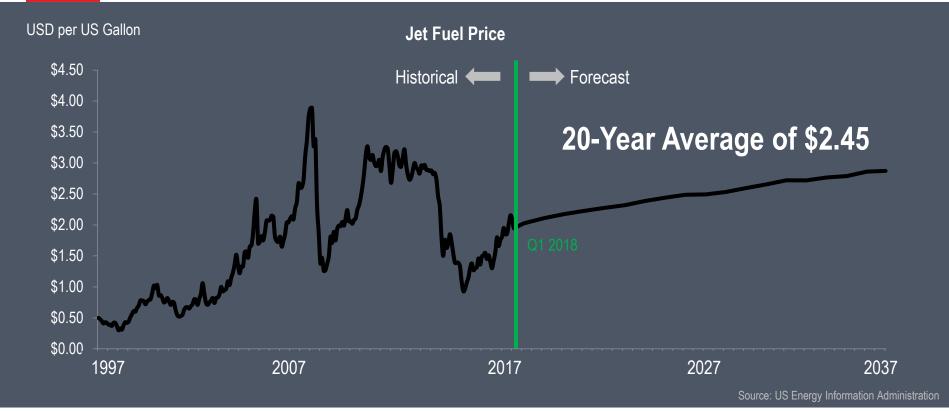
Global Trend – Unit Costs Rising as Competition Drives Yields Down







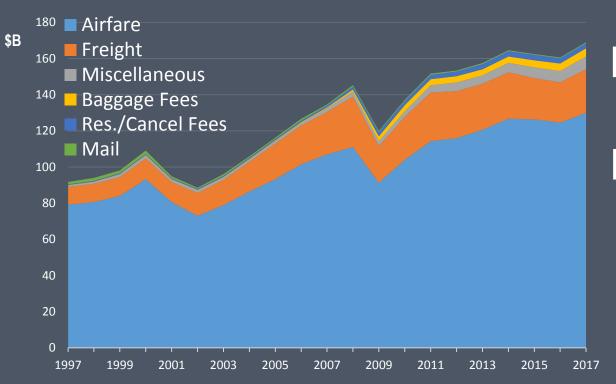
Fuel Prices Projected to Rise; Further Influencing Airline Profitability







U.S. Trend – Revenue Growth Through Ancillary Products and Fees



Fees are Becoming A Bigger Portion of Revenue

Source: US DOT, Form 41





U.S. Trend – Revenue Growth Through Ancillary Products and Fees

Fees Fastest Growing Revenue Segment

Ancillary Revenue examples:

Roll-on bag

Seat Selection

More leg room

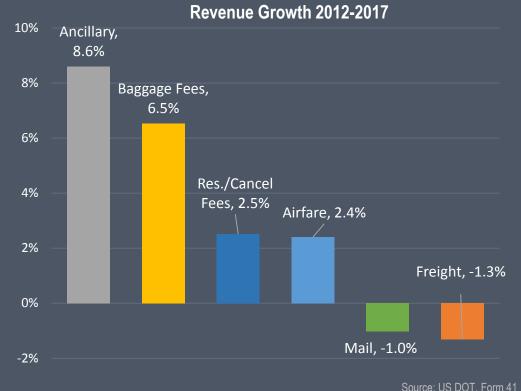
Preferred Seating

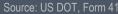
Food & Drinks

WiFi

In-Flight Entertainment

Vacation add-ons













MRJ Product Family Clean Sheet Advantages: Tailored to Market Needs

Highest Fuel Efficiency

20%

Lower Fuel Burn



Lowest Environmental Impact

40%

Quieter



Most Passenger Comfort

18.5"

Seat Width



Improving Airlines' Bottom Line

10%

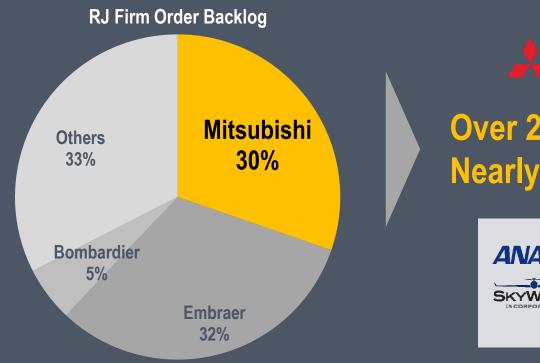
Lower Operating Cost







MRJ Order Status: MRJ has a Prominent Share in the RJ Segment





Over 200 firm orders, Nearly 400 commitments



Source: FlightGlobal Fleet Analyzer, RJs Under 100 Seats, Others include COMAC, Sukhoi, Antonov





MRJ Today – Meeting our Flight Test Milestones, Focused on EIS in 2020









Mitsubishi Aircraft Corporation Regional Market Outlook: Closing Thoughts







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