Boeing Global Services

Tonya DelMaestro, Chief Marketing Officer, Commercial Services

Around the Clock. Around the World. Always Ready.

The CMO is our long-term forecast of global air travel, new airplane demand and commercial services

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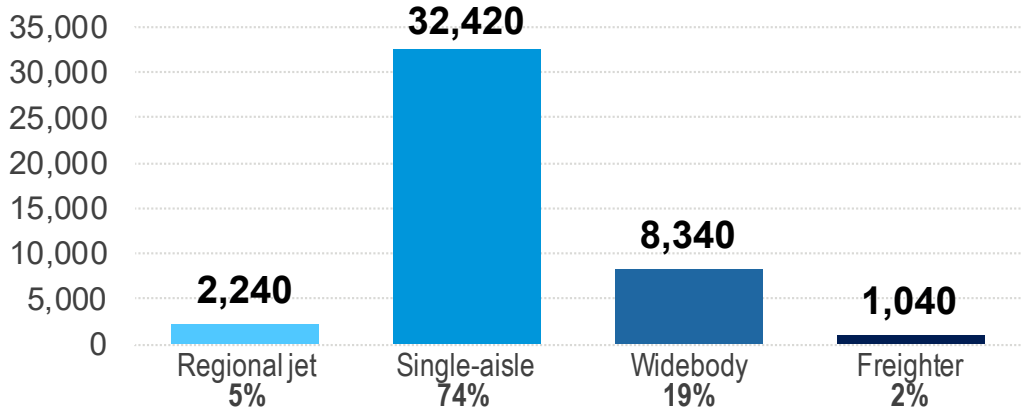
Airlines will need 44,000 new airplanes valued at $6.8 trillion

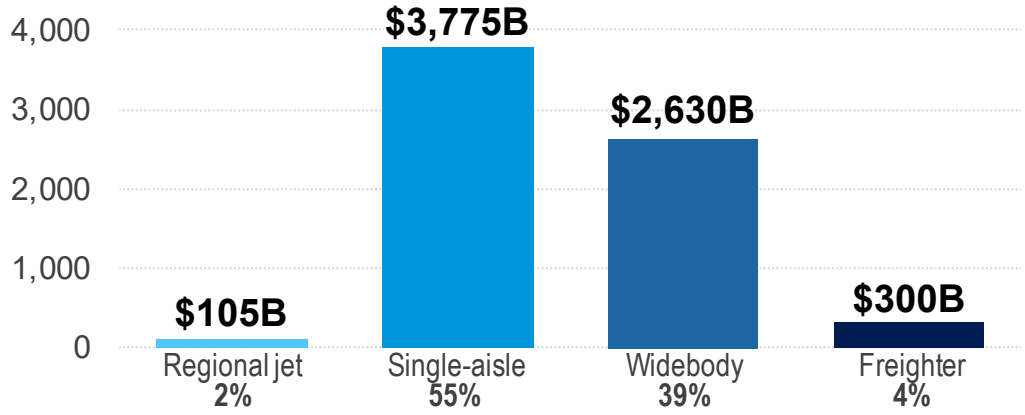
Airplane deliveries: 44,040

2019 - 2038



New airplane values: $6.8T

2019 - 2038



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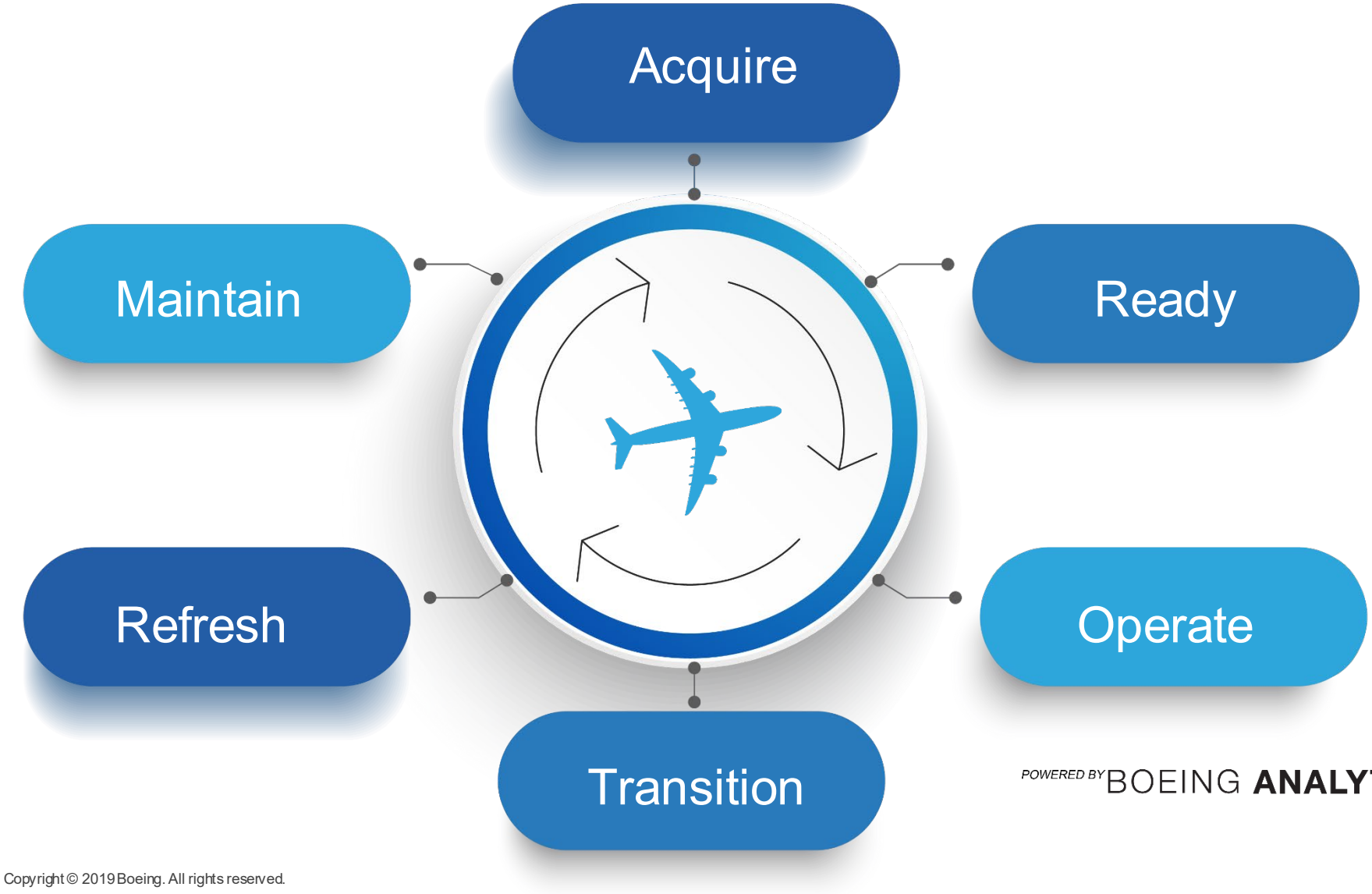
Total Lifecycle Commitment and Support



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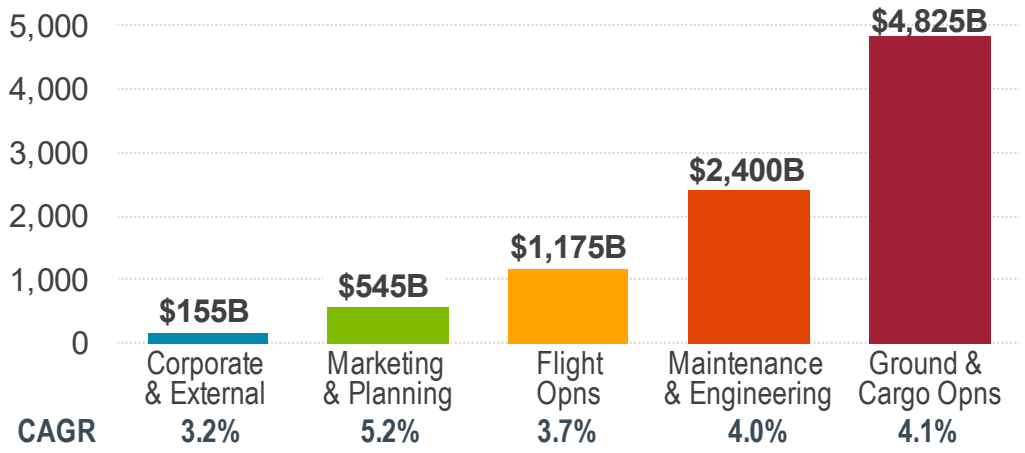
Commercial aviation will demand $9.1 trillion in services over 20 years

Commercial Aviation Services: $9.1T

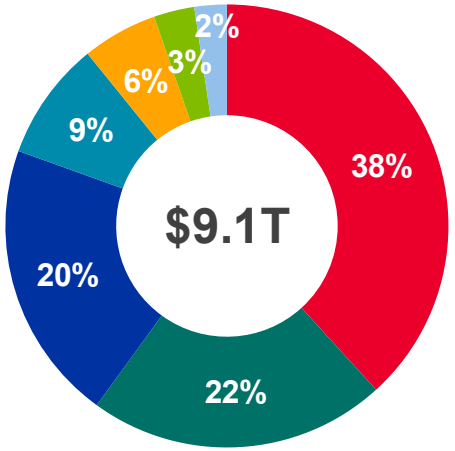
2019 - 2038



Services by Region

2019 - 2038

Region	Services | CAGR
Asia Pacific	3,480 | 5.1%
Europe	1,980 | 3.3%
North America	1,865 | 2.8%
Middle East	790 | 4.7%
Latin America	500 | 4.7%
Russia/CA	270 | 2.7%
Africa	215 | 5.0%
World Total	**$9,100B | 4.1%**



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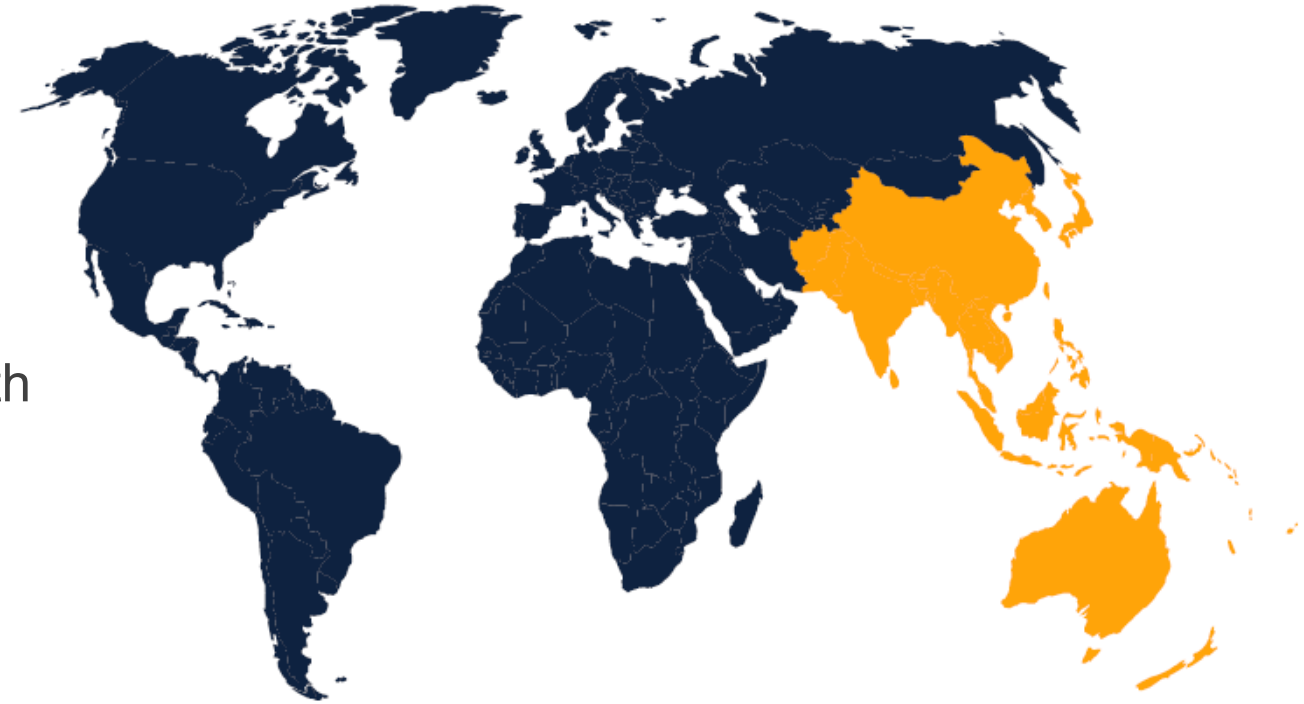
Asia-Pacific is a primary contributor to global aviation growth

60% of the global population

58% of the 20-year economic growth

35% of the global economy



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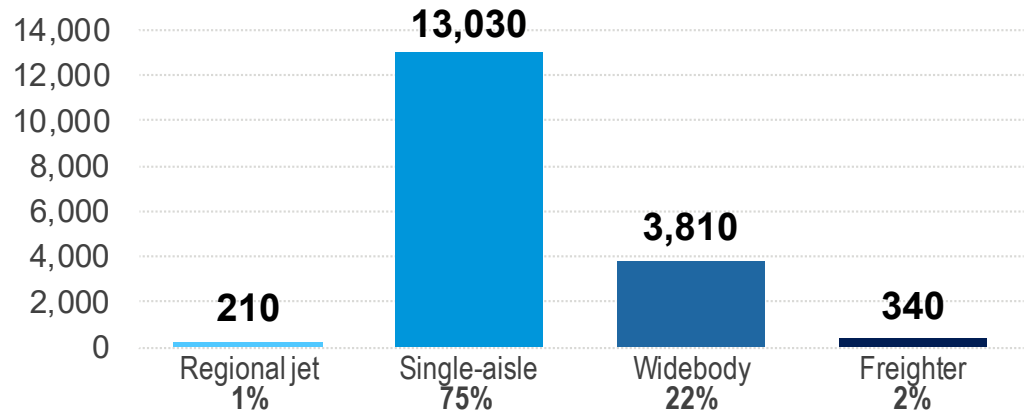
Asia-Pacific will need 17,390 new airplanes valued at $2.8 trillion

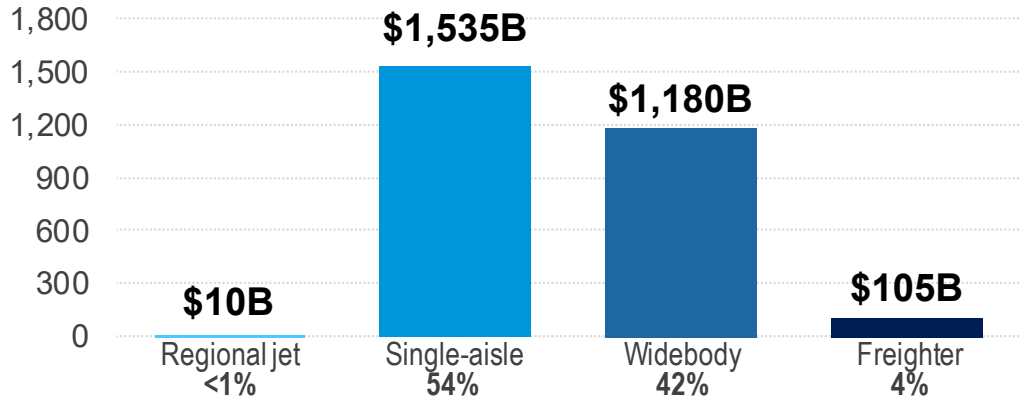
Airplane deliveries: 17,390

2019 - 2038



New airplane values: $2,830 billion

2019 - 2038



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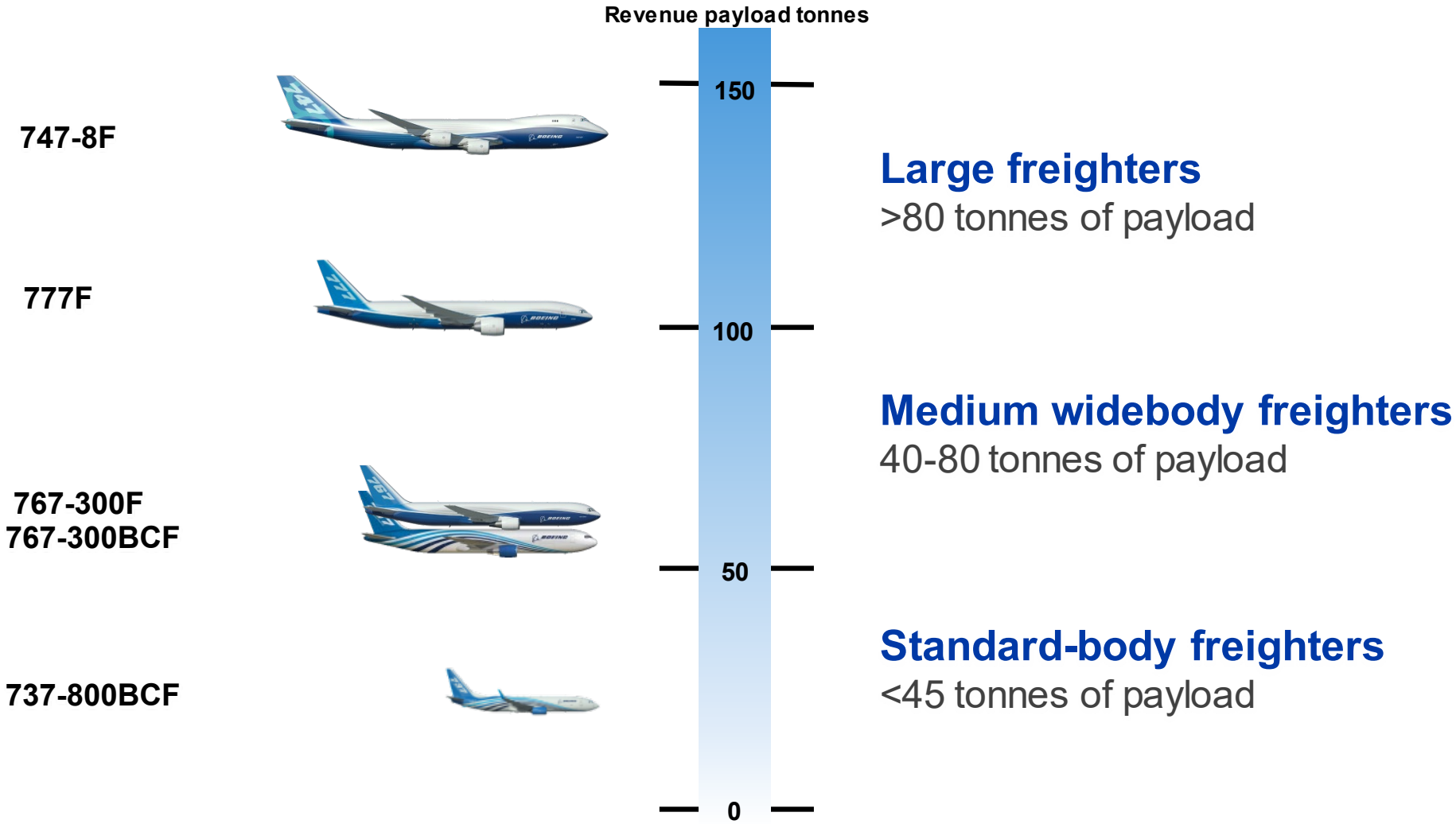
The only complete family of freighters

Boeing family of commercial freighters



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Asia-Pacific services market trends

Technology

Efficiency

Value

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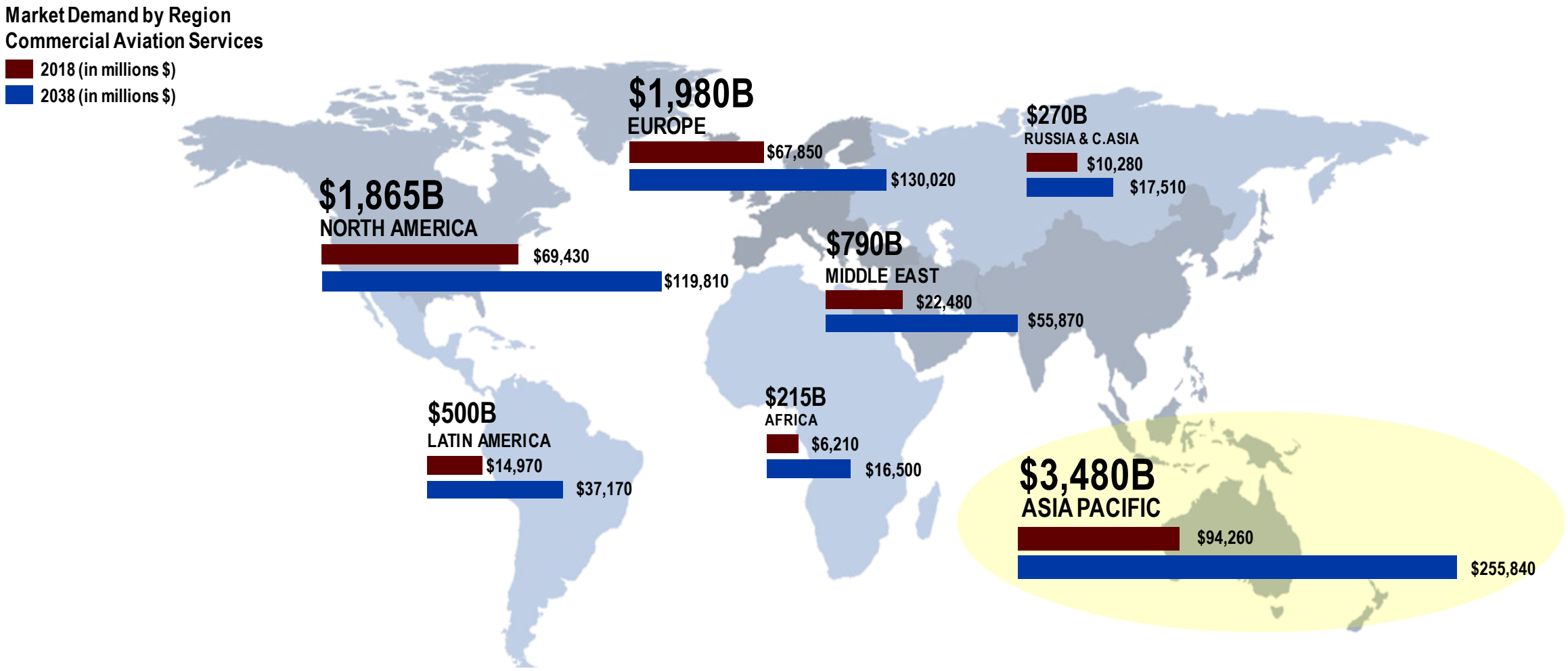
Asia Pacific will drive 38% of global services demand



Source: CMO 2019

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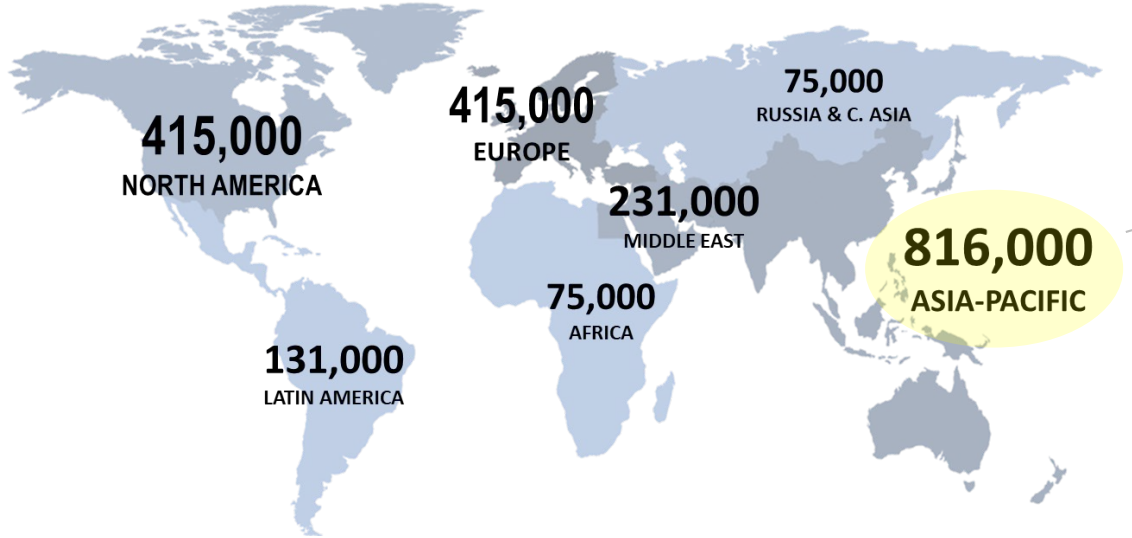
816,000 commercial aviation personnel needed to fly, maintain Asia Pacific fleet



244,000 pilots

249,000 technicians

323,000 cabin crew

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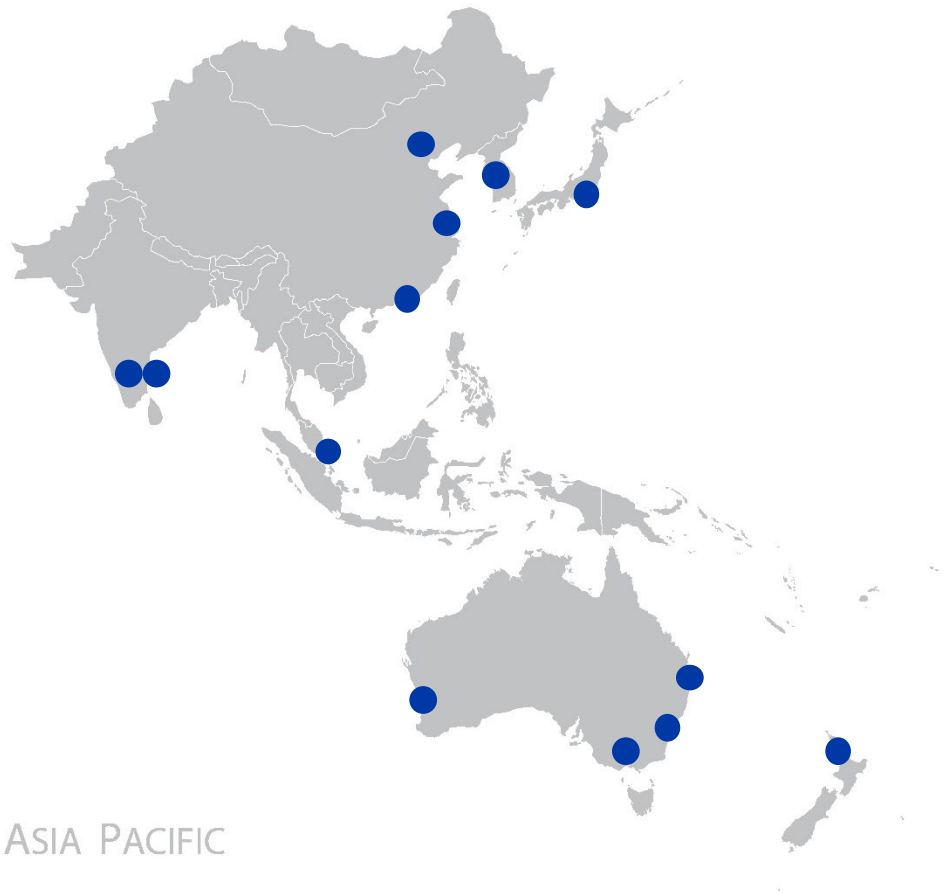
Boeing Global Services in Asia-Pacific



Partnerships to grow indigenous capabilities

- **Boeing Asia Pacific Aviation Services PTe. Ltd.** – joint venture that combines engineering expertise of commercial aircraft with SIA Engineering Company to provide MRO expertise for global fleet maintenance solutions
- **Boeing Training & Professional Services Singapore Campus** – opened in 2007 and is the largest commercial aviation training facility in Asia

- **Boeing Shanghai Aviation Services (BSAS)** - joint venture between Boeing, Shanghai Airport Authorities and China Eastern Airlines that provides a comprehensive range of services from engineering, aircraft maintenance and modification to component repair and overhaul and supply chain management.

Service capabilities

- Extensive local supply chain
- Maintenance, repair, and overhaul facilities
- Data-driven solutions using analytical insights
- Comprehensive training services

Knowledge transfer between **commercial** and **government portfolios** delivers unrivaled **world-class** services

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