

## Alton Aviation Consultancy is a boutique aviation consulting firm with deep domain expertise across the aviation value chain

















## Agile. Global. Independent.

## **COMPANY INTRODUCTION**

## Alton supports a global client base from offices in Asia, USA and Europe, with associates worldwide

### Singapore

50 Raffles Place 19-01 Singapore Land Tower Singapore 048623

+65 3138 2033 Singapore@AltonAviation.com

## Tokyo

Taivo Seimei Shinagawa Building 28th Floor, 2-16-2Konan Minato-Ku Tokyo, Japan

+81 90 8057 1956 Tokyo@AltonAviation.com

## Beijing

8 Guanghua Dongli China Overseas Plaza South Tower, Floor 11. Suite A053 Chaoyang, Beijing 100020 China

+86 10 8598 4981 Beijing@AltonAviation.com

## **Hong Kong**

136 Des Voeux Road Central, Suite 1010 Central Hong Kong

+852 8191 3028 Hong.Kong@AltonAviation.com

### **New York**

10 West 40th Street Suite 505 New York, NY 10018 USA

+1 212 256 8488 New.York@AltonAviation.com

#### **Dublin**

No. 1 Grants Row **Lower Mount Street** Dublin 2 D02 HX96 Ireland

+353 86 820 6812 Dublin@AltonAviation.com

#### Frankfurt

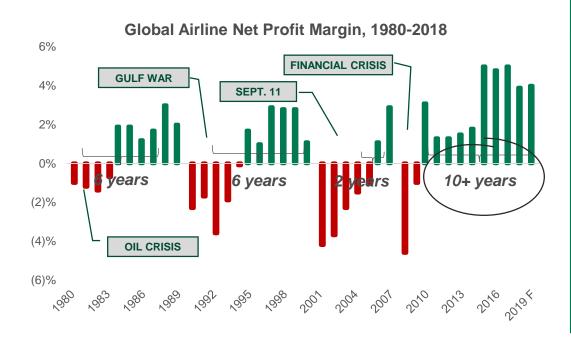
Opening Q3 2019

+49 6221 6484950 Frankfurt@AltonAviation.com





# The airline industry is experiencing its longest cycle of profitability in a post-deregulation industry with an estimated profit of \$28.1 billion in 2019



## **Alton Insight**

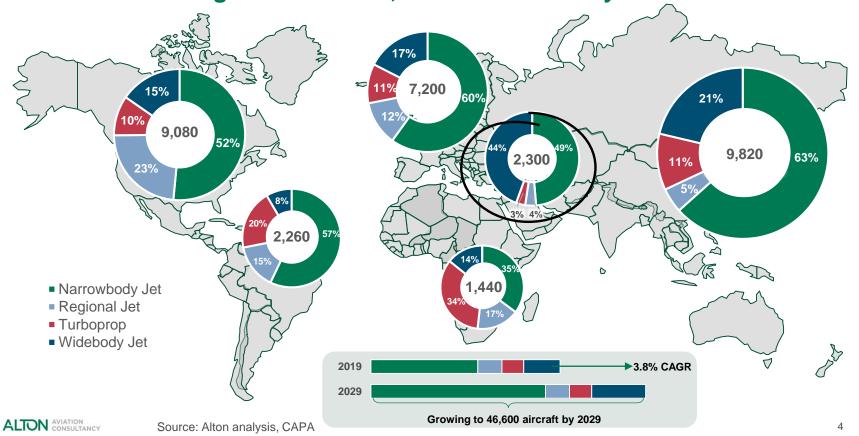
## Factors sustaining current momentum:

- Continued strong growth in air traffic demand
- Airline consolidation in mature markets driving capacity & pricing discipline
- Stable and moderate fuel prices and interest rates

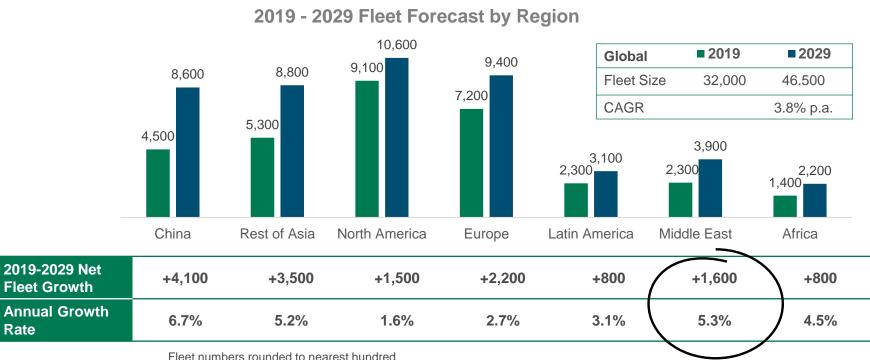
Recent forecasts, however, have lowered the outlook

Source: IATA, Alton analysis

Today's commercial air transport fleet consists of approximately 32,000 aircraft which will grow to over 46,000 in the next 10 years



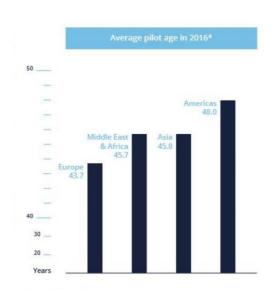
# Over the coming decade, the Middle East is estimated to add more than 1,600 aircraft to the fleet; a 5.3% annual growth rate

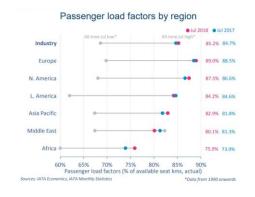




Source: Alton analysis

# Personnel replacement, average fleet utilization numbers, seat load factors at a maximum and new gen aircraft are additional factors in the equation...







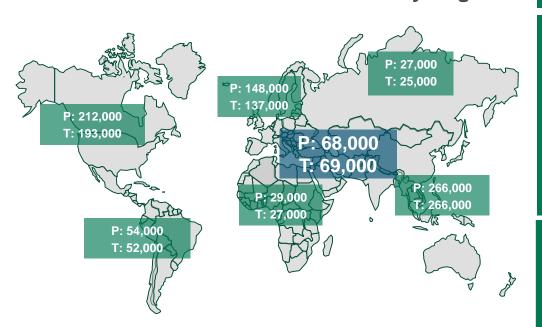
## **Alton Insight**

- Maturing population (retirement and attrition) in licensed personnel mandate for replacement
- Airlines aim for efficiency (increasing Seat Load Factor and higher average fleet utilization) leading to higher pilot / aircraft ratios
- New generation aircraft enable airlines to fly longer sectors, leading to the regulatory mandated placement of relief crews



# <u>People</u>: Future Outlook for Civil Pilots and Technicians over the coming 20 years show huge growth

## **Civil Pilots / Technician Outlook by Region**



#### Recruitment

- Social & educational "influencers"
- Build, acquire or rent?

## Training

- Supply / Demand Assessment
  - Skillsets needed for the future?
  - Where are the gaps?
- Training Outcomes
  - Competency, knowledge retention
- Enablers
  - Methods (AR/VR, gamification)
  - Virtual / e-learning

## Performance & Retention

- HRTech: performance, feedback & analytics
- Culture: inter-generational, crosscultural, multi-lingual
- Organizational leadership
- Compensation



Source: Boeing, Alton analysis

## **Questions**

## Questions

- Are the AACO carriers prepared for the challenge to have adequate numbers of licensed personnel (today and in the future)?
- What are the main strategies on building up numbers for
  - Civil Pilots
  - Technicians
- Will a possible recession in the airline industry have any effect (short-term / long-term)?
- To poach or not to poach and how to deal with it?
- Will new gen aircraft with new technologies drive further outsourcing of MRO work?
- Will the Max return have an impact on licensed personnel shortage?
- Is the climate debate (flight shaming) going to have an impact?



## **TODAY'S PANELISTS**



**Anthony Lowery** 

Chief Technical Officer



Victor Robeck
Head Flight Operations
Regulatory Affairs





