

# Aviation School

Fort Smith, NT

## Sources

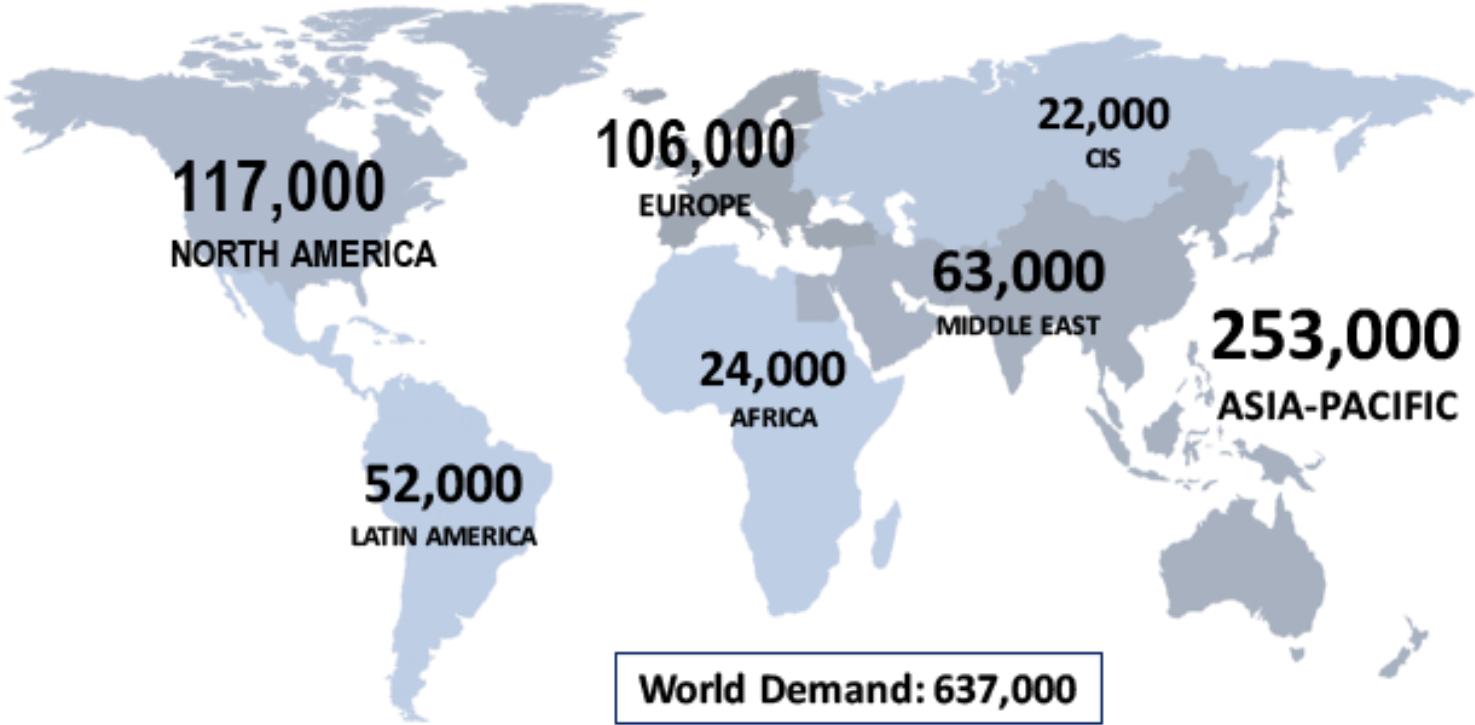
1. CAE Airline pilot demand, 10-year outlook at a glance  
[https://www.cae.com/media/documents/Civil\\_Aviation/CAE-Airline-Pilot-Demand-Outlook-Spread.pdf](https://www.cae.com/media/documents/Civil_Aviation/CAE-Airline-Pilot-Demand-Outlook-Spread.pdf)
2. Boeing Pilot and Technician Outlook 2017-2036  
<http://www.boeing.com/commercial/market/pilot-technician-outlook/>

*Northwestern Air*

LEASE LTD.



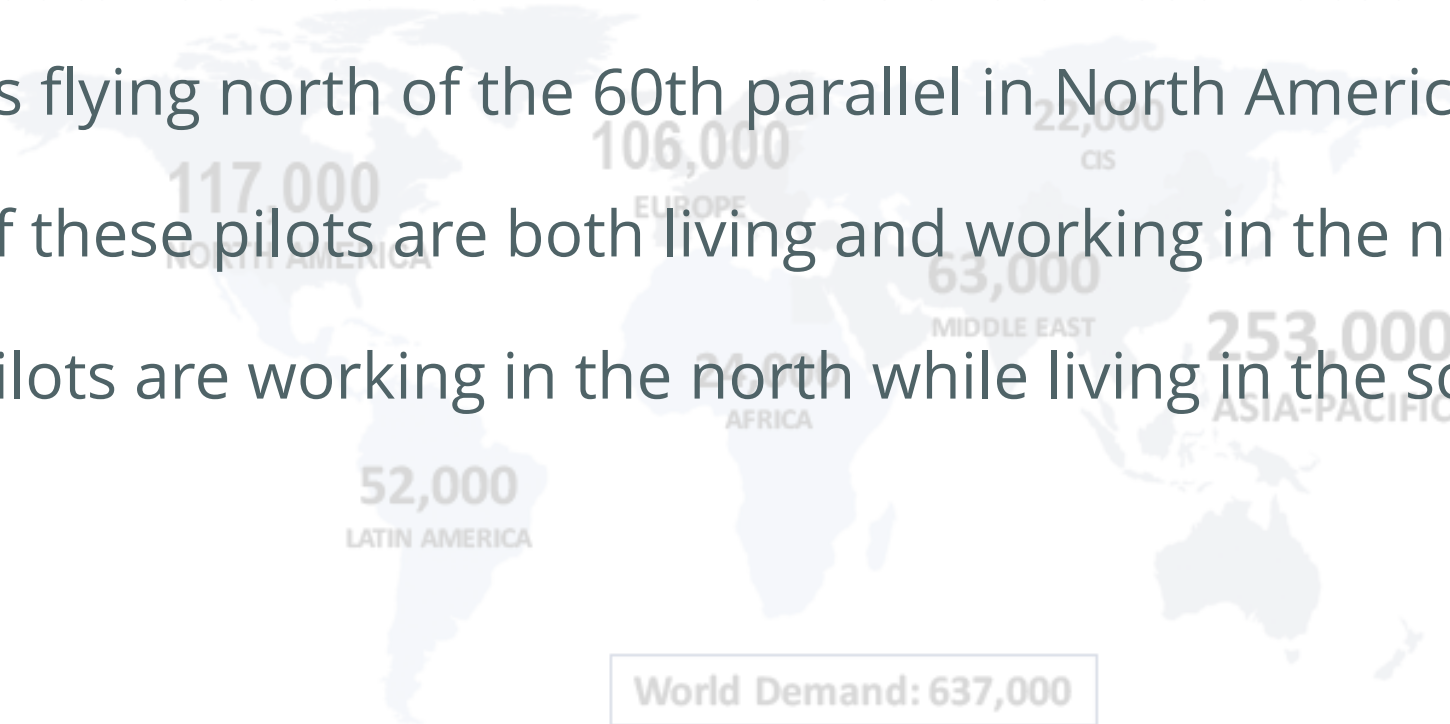
# Pilot Demand by Region



*Source: Boeing*

# Northwest Territories

- Based on data received from NATA there are an estimated total of 600-1000 pilots flying north of the 60th parallel in North America.
- 300-500 of these pilots are both living and working in the north.
- 300-500 pilots are working in the north while living in the south.



# Americas

- Pilot demand by 2027: 85,000
- Pilot demand by 2036: 169,000

# Worldwide

- Pilot demand by 2027: 255,000
- Pilot demand by 2036: 637,000



# **Reasons for the shortage**

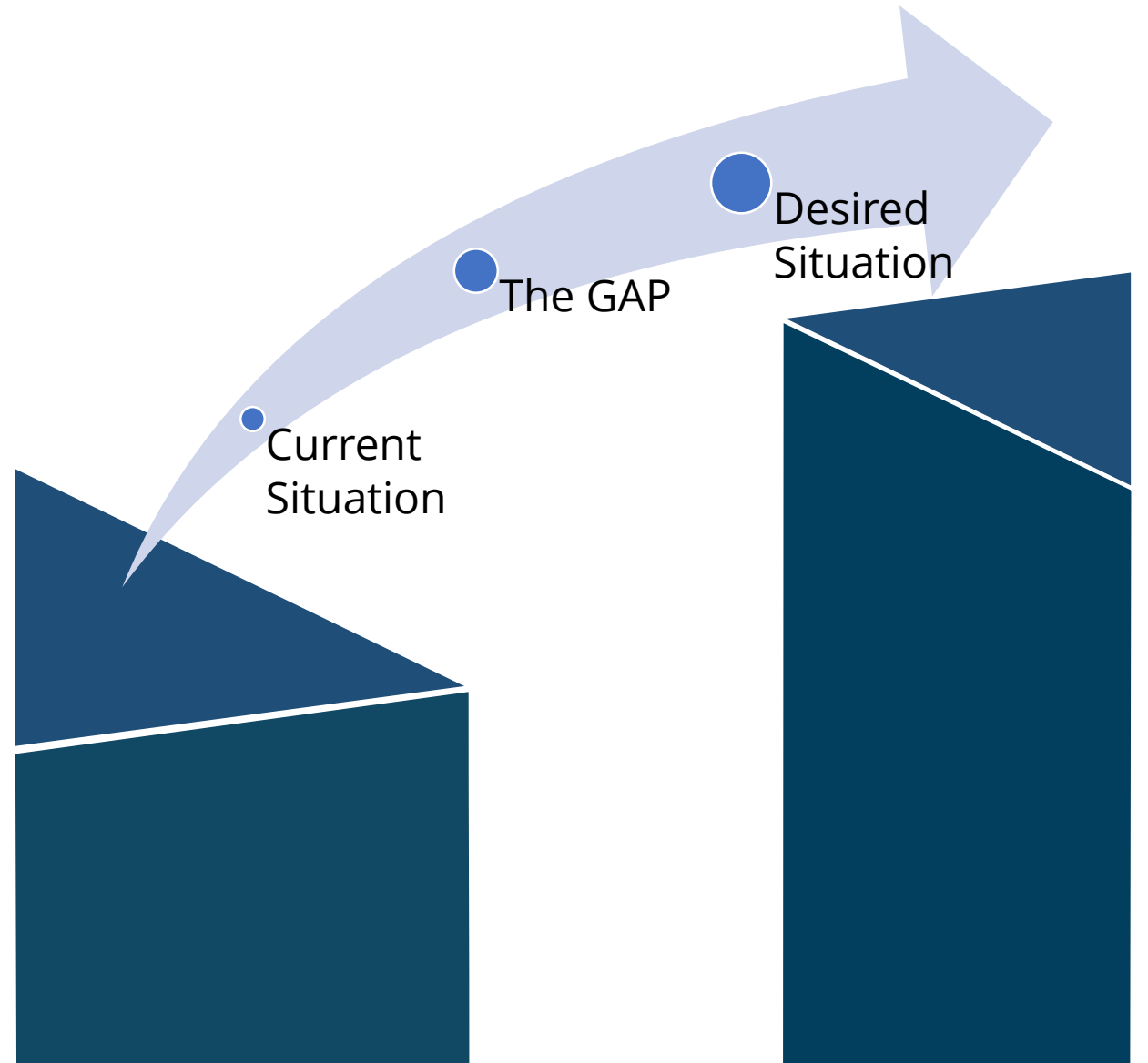
**Fleet growth**

**Pilot Retirement**

**Attrition and demand for new pilots**

# GAP Analysis

- Identify the need and develop a plan to reduce the need
- Provide another source of pilots and slow down the “revolving door”



# **Current Situation**

**Turnover (revolving door)**

**Wait time**

**Source of pilots (shortage)**

# Turnover (revolving door)

- Captains departing during or after 12-month bond period.
- First officers departing during or after 24-month bond period.
- Entry level pilots departing during transition from ramp/operations to cockpit.
- High turnover is very costly.
- High turnover causes northern airlines to cancel or merge existing flights.





# Wait time

- Entry level pilot's time spent working in ramp and operations is reduced from 18 months to 6 months.



# Source of pilots (shortage)

- Chinese own Canadian flight schools to train Chinese pilots.
- Instructors leaving flight schools for airline jobs, therefore less slots available in existing schools.



# Desired Situation

- Slow down the revolving door and keep pilots in the north.
- Attract indigenous and non-indigenous northern residents to a career in aviation.
- Offer a second aviation school in the Northern Territories (alternative to Alkan Air in Whitehorse).
- Offer an aviation management diploma leading to a commercial license through Aurora College in Fort Smith.



# Desired Situation

- Offer direct entry private and commercial licenses in Fort Smith.
- A Partnership between with Aurora College, North-Wright Airways and Northwestern Air Lease LTD.
- Launch the direct entry program in January 2019 and the diploma program shortly after.



# Filling the GAP

- Launch the Aurora College diploma program
- Obtain financial support from:
  - GNWT
  - Federal government
  - Student Financial Assistance (SFA)
- Hire a chief instructor with a class 1 or class 2 certificate
- Purchase aircraft
- Purchase a simulator
- Marketing and promotion to:
  - Indigenous and non-indigenous communities
  - Elementary schools
  - High schools



# Support and Suggestions from NATA

- Resolution of support and letter
- Suggestions
- Questions