

Feasibility Study for Fort Lauderdale Aviation and Aerospace Training Program

PHASE 1 – NEEDS ASSESSMENT

**INSTITUTIONAL
RESEARCH**
BROWARD COLLEGE®

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Presentation Overview

Project Overview

- Purpose of the study
- Phases

Labor Market Current And Projected Jobs in the next decade

Current Local Aviation Industry

Inventory of Aviation and Aerospace Programs

- Gap Analysis: Future Trend and Training Opportunities
- Skills and Credentials Needed
- Potential Training Plan Options and Locations
- Next steps

Study Overview

The Center for Applied Research is performing a comprehensive feasibility study on establishing Fort Lauderdale as an Aviation and Aerospace Training Hub, by gathering data and conducting in-depth analysis of viability and economic impact.

VISION:

In coordination with existing and new partners, the City of Fort Lauderdale, will become an aviation and aerospace training hub.

Phased Approach

Phase 1

NEEDS ASSESSMENT

- Labor market supply and demand
- COVID-19 impact
- Inventory of educational programs
- Training Gap analysis
- Opportunities with Elementary and Middle school grades for early career exposure

Phase 2

DESIGN

- Develop shared vision for the city's training hub
- Comprehensive mapping of resources and equipment
- Explore synergies
- Coordinated partnerships

Phase 3

FEASIBILITY

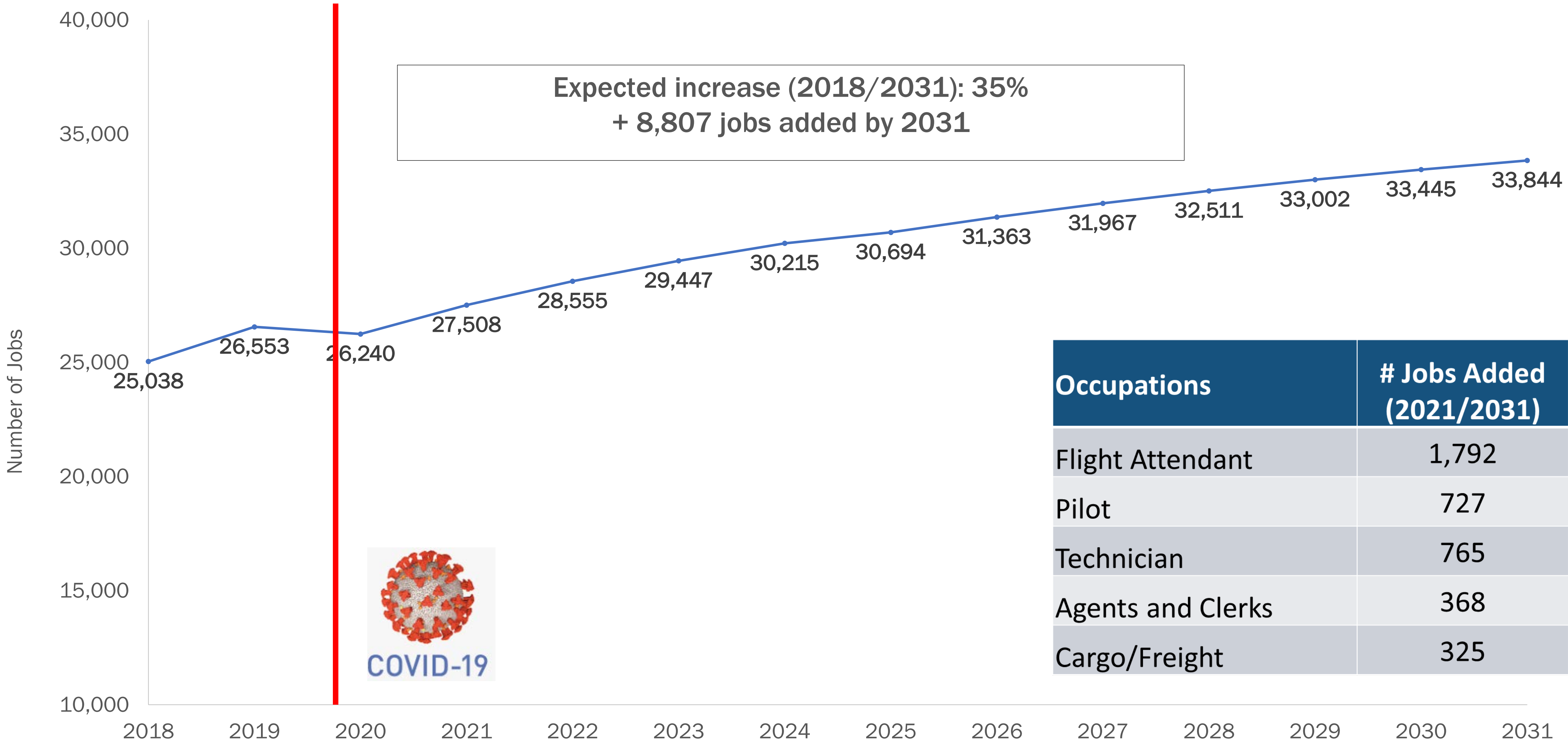
- Training Options
- SWOT Analysis
- Costs estimates
- Implementation outline
- Locations
- 5-year projection scenarios



LABOR MARKET CURRENT & PROJECTED JOBS

Broward County: Current & Projected Jobs

2018-2031



Occupations	# Jobs Added (2021/2031)
Flight Attendant	1,792
Pilot	727
Technician	765
Agents and Clerks	368
Cargo/Freight	325

Broward County: 2021 Top Occupations

68% of the jobs available today required HS or Equivalent

20% required Associate Degree

Average Hourly Earnings: \$34

01

Flight Attendant*

Average Hourly earnings: \$24.7

Median Annual Earning: \$53,290

Entry level Education: HS or equivalent

Work Experience required: < 5 years

02

First Line Supervisors of Mechanics, Installers and Repairs

Average Hourly earnings: \$30.5

Median Annual Earning: \$60,414

Entry level Education: HS or equivalent

Work Experience required: < 5 years

03

Reservation and Transportation Ticket Agents and Travel Clerks*

Average Hourly earnings: \$18.9

Median Annual Earning: \$32,514

Entry level Education: HS or equivalent

Work Experience required: None

04

Aircraft Mechanics and Service Technicians*

Average Hourly earnings: \$31.7

Median Annual Earning: \$66,271

Entry level Education: Postsecondary nondegree

Work Experience required: None

05

Airline Pilots, Co-pilots and Flight Engineers*

Average Hourly earnings: \$104.3

Median Annual Earning: \$190,800

Entry level Education: Bachelor's Degree

Work Experience required: < 5 years

06

Cargo and Freight Agents


Average Hourly earnings: \$22.01

Median Annual Earning: \$42,934

Entry level Education: HS or equivalent

Work Experience required: None

* Occupations that are also projected to show high growth in the next decade.
Source: Emsi Q2 2021 Data Set as of August 2021.



LOCAL AVIATION INDUSTRY AND EDUCATION

Local Aviation Industry

603 FAA Repair Stations in Florida

392 FAA South Florida Repair Stations

37 near FXE

South Florida Repair Stations

12,227 employees	144 within 30 miles of FXE	Avg 31 employees
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Accessory Repair	245
Airframe Repair	165
Instrument Repair	105
Powerplant Repair	114
Radio Repair	105
Non-Destructive Testing	76
Specialized Services	78

Local Aviation Education

Colleges and Universities with Aviation Programs

Atlantic Technical College (1 program)
Broward College (25 programs)
Embry-Riddle Aeronautical University (29 programs)
Everglades University (10 programs)
Florida International University (1 program)
Florida Memorial University (3 programs)
George T Baker Aviation Technical College (4 programs)
Lynn University (14 programs)
Miami Dade College (11 programs)
Nova Southeastern University (1 program)
University of Central Florida (1 program)

FAA Flight Schools		
126 in Florida	28 in South Florida	6 located at FXE

FAA Simulator Schools		
51 in Florida	11 in South Florida	1 located at FXE

FAA Maintenance Schools			
15 in Florida	2 in South Florida	1 in Broward	1 in Miami

Colleges & Universities Aviation Program Types

Degree Programs

Associate	11
Bachelor's	20
Master's	13
Doctorate	2
Minor	2

Non-Degree Programs

APPRENTICESHIP

- Technical – Maintenance 1

CERTIFICATES

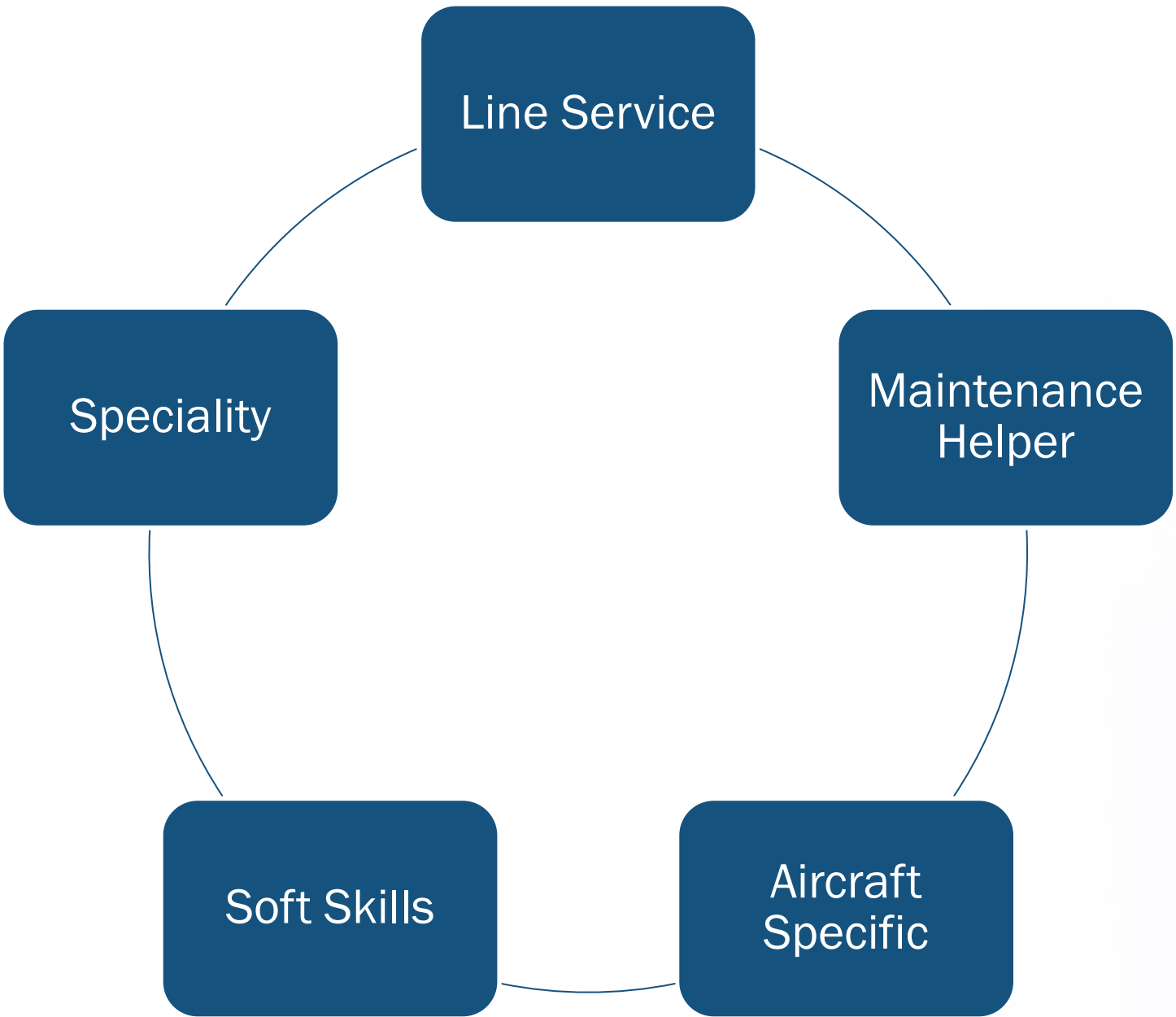
- Technical – Maintenance 7
- Technical – Avionics 3
- Technical – Other 10
- Graduate 9

CONTINUING EDUCATION

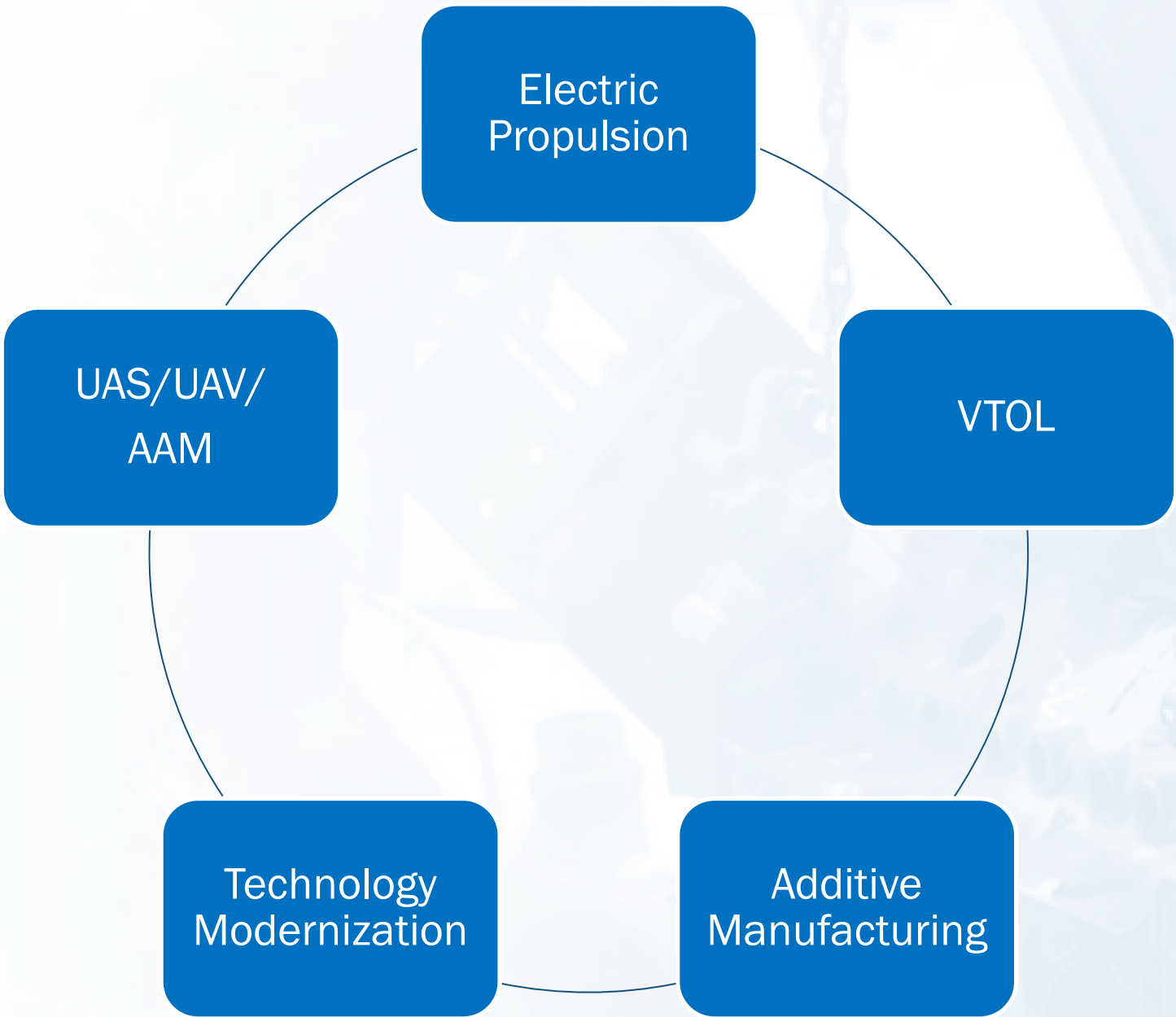
- Drone 3
- Pilot 15
- Technical – Avionics 1

Preliminary Interview Findings (ongoing)

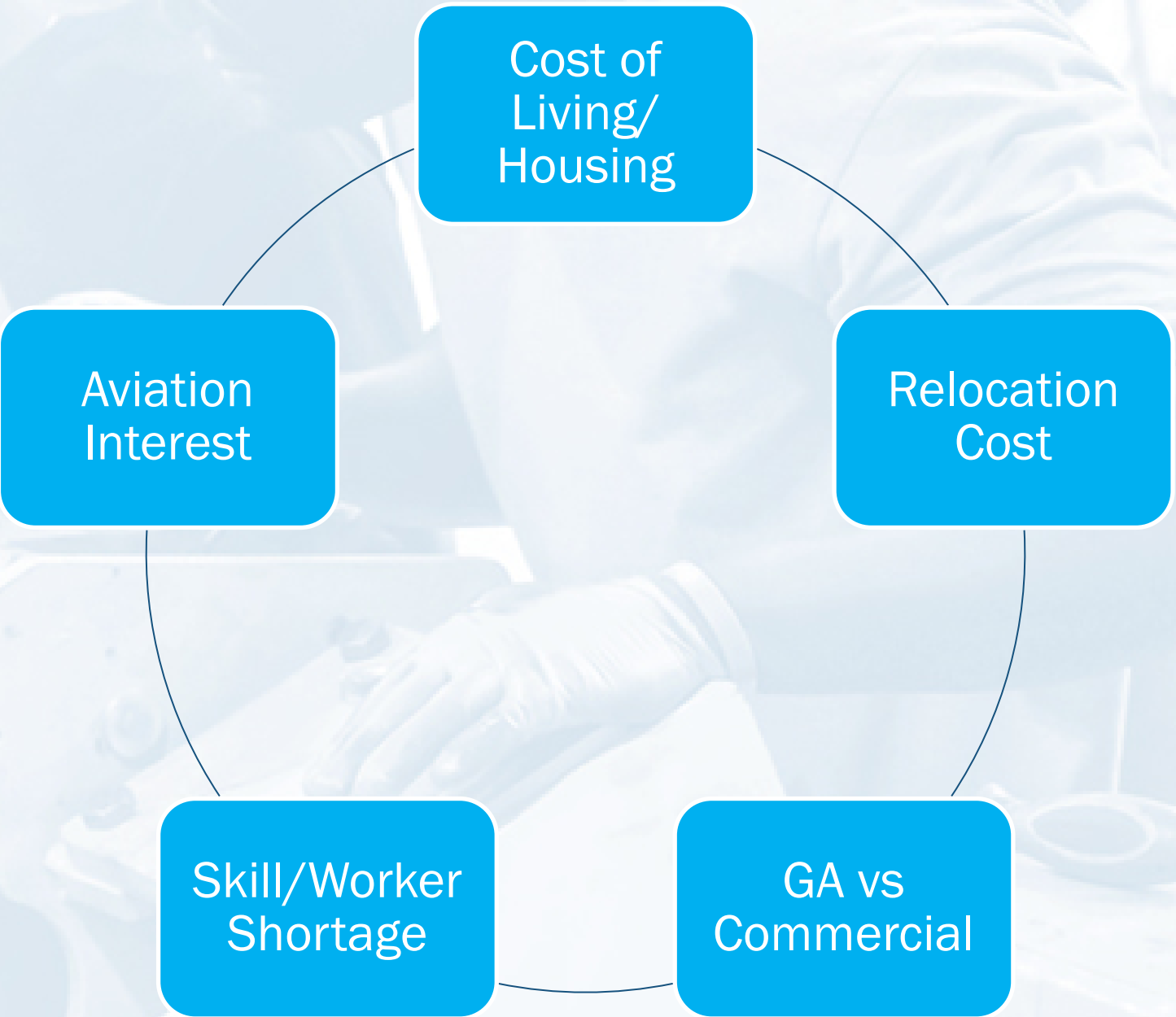
CURRENT TRAINING NEEDS



FUTURE TRENDS

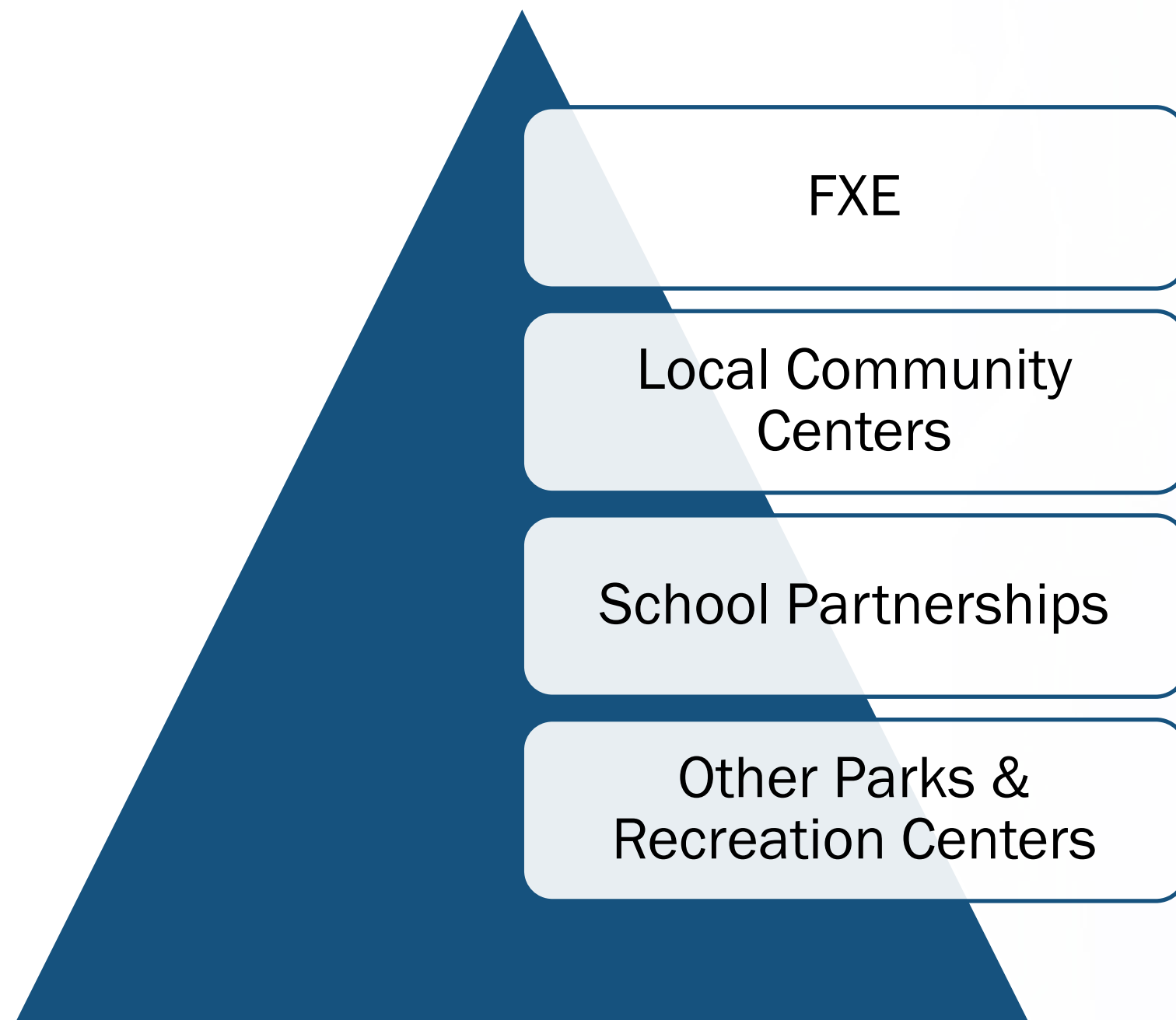


CHALLENGES

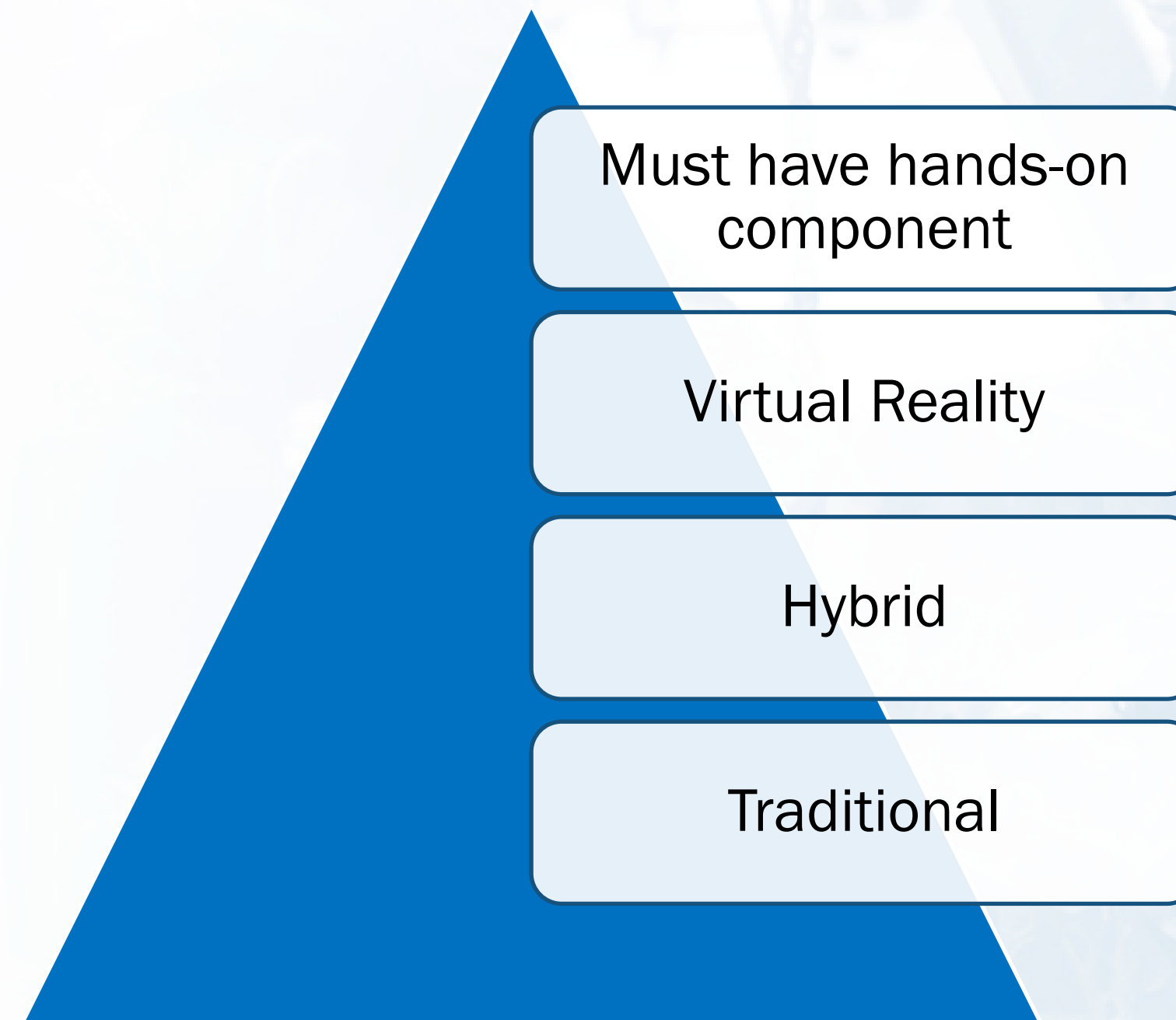


Preliminary Training Opportunities (ongoing)

POTENTIAL LOCATIONS



TRAINING METHODOLOGY



TRAINING TYPES



Next Steps

Identify skills

- Meet current training needs in market
- Meet future training needs in market
- Determine credential / evaluation requirements

Identify Partners

- Current training providers with adequate resources
- Current training providers interested in partnering
- Develop new providers

Identify Methodology

- Virtual Reality with hands-on component
- Online with hands-on component
- Apprenticeship

Identify Location

- Proximity to employers
- Proximity to students
- Adequate resources

THANK YOU!

Questions?

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