





# TEAM ORLANDO MISSION

Support the U.S. Department of Defense's requirements by providing a consolidated interservice military entity in the Central Florida area for Human Performance, Modeling and Simulation and Training. **Facilitate research and collaboration** of new technologies, programs and agile processes across the **interagency** to further advance a thriving and innovative environment to best support Service requirements and initiatives for **effectiveness and efficiency**.



## Improving **HUMAN PERFORMANCE** through **SIMULATION**

A community of organizations working together to accomplish their respective missions with a common goal.



Science & Technology



SimLEARN  
Excellence in Veterans' Healthcare



NATIONAL SECURITY INNOVATION NETWORK



The National Center  
For Simulation

ORLANDO  
ECONOMIC  
PARTNERSHIP



the  
Florida  
high tech  
corridor



# GEOGRAPHY MATTERS

## ▶ DE FLOREZ BUILDING

NAWCTSD  
PEO STRI  
NSA ORLANDO  
DHS S&T

## ▶ ANNEX

PEO STRI

## ▶ TECH POINT I, II

AFAMS  
PEO STRI  
ADL INITIATIVE

## ▶ RESEARCH COMMONS

PEO STRI

## ▶ SFC SMITH CENTER

STTC

## ▶ PARTNERSHIP I, II, III

NAWCTSD      PEO STRI  
ACC-ORL      PM TRASYS  
NCS            UCF  
DHA MST PMO  
CFL STARBASE

## ▶ PARTNERSHIP IV

NAWCTSD Meeting Spaces  
PEO STRI  
STE CFT  
STTC  
UCF  
CENTRAL FL TECH BRIDGE  
AND THE TECH GROVE

## ▶ PARTNERSHIP V

PEO STRI      PM TRASYS





# TEAM ORLANDO ECONOMIC IMPACT

Central Florida Research Park. Home to the Military Services (Army, Navy, Air Force and Marine Corps) Simulation Headquarters. Over 2,800 DoD personnel and an annual budget of \$6.5B for Training Aids, Devices, Simulators, and Simulations (TADSS).

\$5 Million  
Annually

\$3.5 Billion  
Annually

\$6.5 Billion  
Annually

Projected \$8.5  
Billion

1900

2000

• Joint Army and Navy Agreement

• Army and Navy relocate to Orlando

• **TEAM ORLANDO OFFICIALLY CHARTERED**

• Team Orlando established in Research Park

• Team Orlando chartered a Board of Directors (BOD)

• Joint Training Integration and Evaluation Center (JTIEC) created

• Central Florida Tech Grove created

1950

1966

1985

1988

2003

2006

2020

*"the missions of the Army and Navy ...be accomplished by a unified endeavor."*

*Army Participation Group and Navy Special Devices Agency leave Guggenheim Estate, New York*

*"a triad of government, industry, and academia" will "work together to share information and leverage programs and technology in the best interest of the Department of Defense and the American taxpayer."*

*"provide a consolidated inter-Service military entity ...in support of DoD's requirements for M&S, training and systems and Human Performance (HP)."*

*"focal point for collaboration between the defense, state, local, academic, and industry organizations located in Central Florida as well as other organizations outside this geographic region."*

2016 Partnership IV & V Acquisition



# DEFENSE

The Services' primary local simulation and training acquisition and sustainment organizations.



**PEO STRI**

U.S. ARMY  
PROGRAM EXECUTIVE OFFICE  
SIMULATION, TRAINING  
AND INSTRUMENTATION



**PM TRASYS**

U.S. MARINE CORPS  
PROGRAM MANAGER  
TRAINING SYSTEMS



**NAWCTSD**

U.S. NAVY  
NAVAL AIR WARFARE CENTER  
TRAINING SYSTEMS DIVISION



**AFAMS**

U.S. AIR FORCE  
AGENCY FOR  
MODELING & SIMULATION



# OTHER FEDERAL ORGANIZATIONS



**STTC**  
U.S. ARMY  
SFC PAUL RAY SMITH  
SIMULATION & TRAINING  
TECHNOLOGY CENTER



**ACC-ORL**  
U.S. ARMY  
CONTRACTING COMMAND  
ORLANDO



**ADL Initiative**  
ADVANCED DISTRIBUTED  
LEARNING INITIATIVE



**DHA MST PMO**  
DEFENSE HEALTH AGENCY  
MEDICAL SIMULATION  
AND TRAINING PROGRAM  
MANAGEMENT OFFICE



**STE CFT**  
U.S. ARMY  
SYNTHETIC TRAINING  
ENVIRONMENT CROSS  
FUNCTIONAL TEAM



**DHS S&T**  
DEPARTMENT OF HOMELAND SECURITY  
SCIENCE AND TECHNOLOGY

Science &  
Technology



**VHA SimLEARN<sup>SM</sup>**  
DEPARTMENT OF VETERANS AFFAIRS  
VETERANS HEALTH ADMINISTRATION  
SIMULATION LEARNING, EDUCATION  
AND RESEARCH NETWORK  
NATIONAL SIMULATION CENTER



**SimLEARN<sup>SM</sup>**  
Excellence in Veterans' Healthcare



**AIR FORCE & SPACE  
FORCE CHIEF MODELING &  
SIMULATION OFFICE**



**USSF INNOVATION SEL**  
SPACE LAUNCH DELTA 45



**CENTRAL FLORIDA TECH BRIDGE**

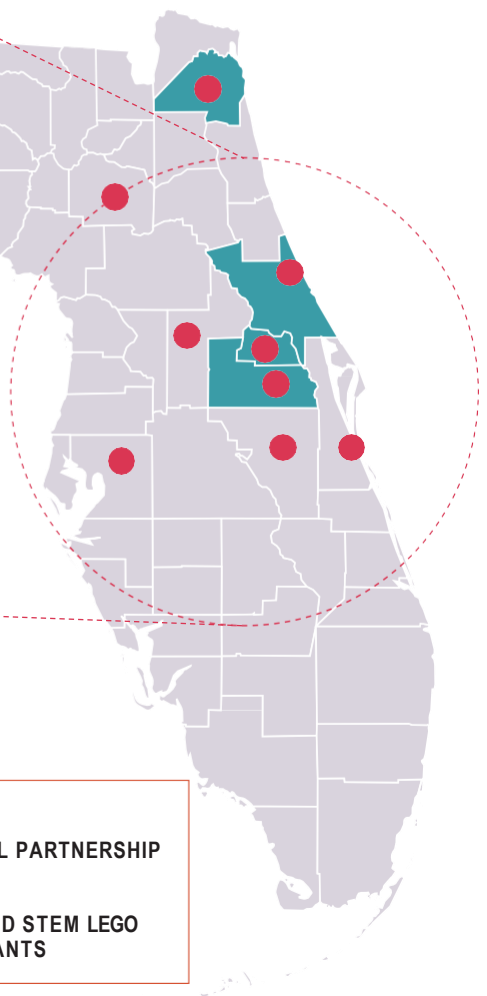
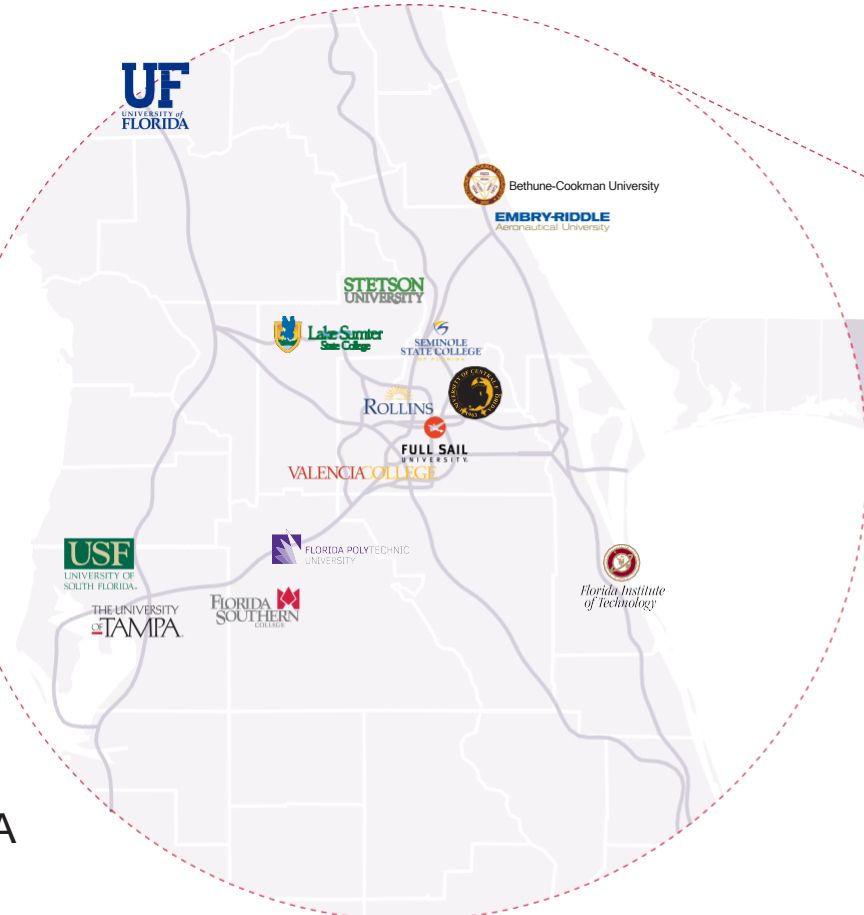


**CFL STARBASE**



# ACADEMIA

# 550,000 STUDENTS WITHIN 100 MILES



## UNIVERSITY OF CENTRAL FLORIDA

- Bethune-Cookman University
- College of Central Florida
- Daytona State College
- Eastern State College
- Embry-Riddle Aeronautical University
- Florida A&M University
- Florida Institute of Technology
- Florida Polytechnic University
- Florida Southern College
- Full Sail University
- Lake Sumter State College
- Old Dominion University
- Rollins College
- Seminole State College of Florida
- Stetson University
- University of Florida
- University of South Florida
- University of Tampa
- Valencia College
- Florida State University

### STEM OUTREACH IMPACT

62,000+ Students Impacted; 6,000+ Teachers Reached; 160+ S&Es, Mentors, and Volunteers

In eight counties:

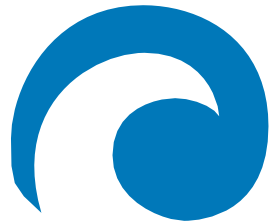
- Brevard
- Osceola
- Hillsborough
- ③ Duval
- ③ Orange
- ③ Seminole
- ③ Volusia
- ③ Marion

**LEGEND**

- EDUCATIONAL PARTNERSHIP AGREEMENTS
- ③ 2022-2023 DoD STEM LEGO ROBOTIC GRANTS



# INDUSTRY RESOURCES



**The National Center  
For Simulation**

PLUS OVER  
**340**  
**PLAYERS**  
INCLUDING...

AdventHealth

Aptima

AVT Simulation

Boeing

Bohemia Interactive Simulations

CAE

Carley Corporation

Cole Engineering Services

Collins Aerospace

Cubic

Dignitas

Disney

Duke Energy

Engineering & Computing Simulations

Epic Games

Industrial Smoke & Mirrors

Katmai

Kratos

Leidos

Lockheed Martin

MAK Technologies

Northrup Grumman

NVIDIA

Polhemus

Schlumberger

Serious Simulations

SIMETRI

SoarTech

Unity Technologies

VirTra





# TEAM ORLANDO CAPABILITIES

## SKILL SETS

### Full Service Life Cycle Acquisition

Program Management    Financial Management  
Engineering            Life Cycle Support  
Contracting

### Instructional Systems Design

### Human Performance Engineering

### Medical simulation

### Games/Virtual Worlds

### Test and Evaluation

### Live-Virtual-Constructive (LVC) Integration

### Target & Threat Systems

### Training Ranges

### Training Test and Evaluation

### Science & Technology

### Advanced Technology Development

### Non-Kinetic Warfare

Cyber    Electronic Warfare  
Intel    Data Analysis

## PRODUCTS

### New/Modified Full System and Part Task Trainers

Weapon Systems    Maintenance  
Aircrew            Tactics

### Training Services

Instructor Services  
Operation & Maintenance Services

### Training Content

Courseware  
Curriculum

### Intellectual Services

Research & Development  
Analysis

### Rapid Acquisition

Training and Readiness Accelerator (TReX) Consortium  
Other Transactional Authority

### Simulation & Training Technologies

Augmented Reality  
Artificially Intelligent Synthetic Actors  
Synthetic Terrain Generation  
Big Data - Point of Need

### Architectures



# CENTRAL FLORIDA TECH GROVE

Innovate. Collaborate. Accelerate.



## NORTH STAR

### ► Increase the Defense Industry Base (DIB)

- Events
- Communication

### ► Tech Transfer (T2)

- Spin Out - Federally Developed Technologies
- Spin In - Solutions to Hard Problems
- Collaboration - CRADAs

### ► Hard Problems

- Collaborative Project Orders - Funded
- Problem Grove - Problem Curation

An innovation partnership specifically created to foster collaboration and acceleration of novel Modeling, Simulation, Training & Human Performance technology transfer solutions for our national security members and increase the Defense Industry Base (DIB)





# Florida Defense Support Commission Grants & Contracts – Narrative Report

Created in 2011 under Florida Statute 288.987, the Florida Defense Support Task Force (FDSTF) mission is to make recommendations to preserve and protect military installations, to support the state’s position in research and development related to or arising out of military missions and contracting, and to improve the state’s military-friendly environment for service members, military dependents, military retirees, and businesses that bring military and base-related jobs to the state.

Initiated in 2013, the Florida Defense Support Task Force grant program provides grants to assist accomplishment of the mission of the Task Force. The Task Force was restructured in 2024 as a Direct Support Organization (DSO) and renamed Florida Defense Support Commission (FDSC). This narrative report provides quarterly updates on all open FDSC grants or contracts awarded from 2012 to 2024.

## Funding Request Summary – Commission Grant Activity as of November 6, 2024.

Grant Closed
  4<sup>th</sup> Quarter Extension Requests
 New Content

### 1. Florida Defense Support Task Force Grants FY 23-24

Grant # End Date Award Amount	Grantee	Status/Progress
<b>24-100</b> <b>7/31/2024</b> <b>\$460,000</b>	(FY 23-24) University of West Florida – Phase 1B – Fielding of Prototype Systems & Proof of Concept for Beta Test of the Florida Advanced Training Range (FATR)	<p><b>May 2023:</b> Grant awarded.</p> <p><b>December 11, 2023:</b> Contract Executed.</p> <p><b>May 30, 2024:</b> Extension executed with a new end date of July 31 2024.</p> <p><b>July 31, 2024:</b> The Florida Advanced Training Range (FATR) project concluded a successful 2-week demonstration period in May at the Avon Park Air Force Range (APAFR). During the demonstration of capabilities in Phase 1B, FATR successfully deployed and operated two MET-L systems at APAFR in support of multiple USAF frontline operational units.</p> <p><b><u>November update:</u></b> Final request for reimbursement submitted by grantee. Final report review and reimbursement underway. Requirement for Escrow acknowledgement agreement amendment and Three-Party Escrow agreement is root cause of delay in reimbursement. Estimate reimbursement before next FDSC meeting.</p>

<p style="text-align: center;"><b>24-101</b> <b>12/30/2024</b> <b>\$500,000</b></p>	<p style="text-align: center;">(FY 23-24) City of Jacksonville - Encroachment Protection/Compatible Land use for NAS Jacksonville, NS Mayport and OLF Whitehouse</p>	<p><b>May 2023:</b> Grant awarded.</p> <p><b>June 26, 2023:</b> Contract executed.</p> <p><b>October 2023 / FY 2023-2024 1st Quarter Report:</b> The City of Jacksonville and Navy are currently having surveys completed for the last parcel of Timuquana Country Club and several properties in the Military Influence Zone of OLF Whitehouse. Several closings should occur next quarter.</p> <p><b>January 2024 / FY 2023-2024 2nd Quarter Report:</b> The City of Jacksonville and Navy have completed surveys for the last parcel of Timuquana Country Club and several properties in the Military Influence Zone of OLF Whitehouse. The Timuquana parcel should be protected through a development easement in late February. The OLF Whitehouse parcels should close in April.</p> <p><b>March 2024:</b> They presently have sufficient funds on hand to complete the final phase of Timuquana Country Club and the next two easements around NOLF Whitehouse. Additionally, they have funded the surveys of their next five (5) properties around NOLF Whitehouse.</p> <p><b>July 31, 2024:</b> They acquired the last parcel of Timuquana in April 2024. This parcel completes the 297-acre purchase of the property that is adjacent to NAS Jacksonville.</p> <p>The City of Jacksonville and the Navy have multiple parcels lined up for acquisition near OLF Whitehouse and will fully utilize the grant by 12/30/24. Grant extension to 12/30/24 approved.</p> <p><b><u>November update:</u> Request for reimbursement submitted by grantee for \$357,042.75. Requirement for Escrow acknowledgement agreement amendment and Three-Party Escrow agreement is root cause of delay in reimbursement. Estimate reimbursement before next FDSC meeting.</b></p>
---	--	---

<p>24-103 6/30/2024 \$500,000</p>	<p>(FY 23-24 Jacksonville Aviation Authority – Pace Road Alternate Gate Entry</p>	<p><b>May 2023:</b> Grant awarded.</p> <p><b>June 2023:</b> The 125th Fighter Wing is dealing with issues on the ability to receive State funds. They are working with the Jacksonville Aviation Authority (JAA) to take over management of the grant. They will submit documentation after the JAA approves at their board meeting on July 27. Once received, all details will be presented to the TF at the August TF meeting for a vote.</p> <p><b>September 2023:</b> The 125<sup>th</sup> Fighter Wing has their final meeting with the Jacksonville Aviation Authority (JAA) on Friday, September 8. JAA has solidified all of the purchases and has the ability to execute the money. Final details will be coordinated at the meeting on September 8 and the JAA board will meet at the end of September to formally approve.</p> <p><b>January 30, 2024:</b> Contract executed.</p> <p><b>July 31, 2024:</b> Members from the Florida Air National Guard (FANG) completed refurbishments and updates to the existing access road. Pace road to Hercules Road (Camp Kong area) 10 inches minimum was spread, finish graded, and rolled. Lime rock material was also placed in 125th FANG Camp Kong and placed in the same routine as mentioned above.</p> <p>Security guard shack and concrete barriers are staged in place inside 125th FANG Camp Kong Area. Mobile pop-up barrier is ready for final placement on road but is on stand-by and will be placed one construction gate is ready for operations.</p> <p>Delayed underground placement of fiber optic cable by FANG members. Waiting for other construction operations to finish then laying of fiber will be done.</p> <p><b>November update: Final request for reimbursement submitted by grantee. Final report review and reimbursement underway. Requirement for Escrow acknowledgement agreement amendment and Three-Party Escrow agreement is root cause of delay in reimbursement. Estimate reimbursement before next FDSC meeting.</b></p>
<p>24-104 5/30/2025 \$182,600</p>	<p>(FY 23-24) Emerald Coast Regional Council – Community Partnership Agreements Phase 2</p>	<p><b>May 2023:</b> Grant awarded.</p> <p><b>June 30, 2023:</b> Contract executed.</p> <p><b>July 3, 2024:</b> Extension executed new end date May 30, 2025.</p> <p>A key focus of this phase begun in August 2024 will be providing critical support in developing Standard Operating Procedures (SOPs), conducting hotwash exercises, and offering ongoing consultation to ensure these agreements are successfully integrated and operational. Building upon the successful groundwork laid in Phase I and another regional IGSA development initiative facilitated by Navy Region Southeast, our goal remains to enhance military mission growth and resilience through effective community partnerships.</p> <p><b>November update: Escrow acknowledgement agreement amendment and Three-Party Escrow agreement routed for signature.</b></p>

<p>24-105 6/30/2024 \$120,000</p>	<p>(FY 23-24) Orange County Research &amp; Development Authority – Roadway Widening Design and Engineering</p>	<p><b>May 2023:</b> Grant awarded.</p> <p><b>June 29, 2023:</b> Contract executed.</p> <p><b>October 2023 / FY 2023-2024 1st Quarter Report:</b></p> <ul style="list-style-type: none"> <li>• Preliminary Traffic Signal Design</li> <li>• Roadway Intersection Surveys</li> </ul> <p><b>January 2024 / FY 2023-2024 2nd Quarter Report:</b></p> <ul style="list-style-type: none"> <li>• 60% Design for two new traffic signals</li> <li>• Update roadway and intersection surveys</li> <li>• Construction Documents</li> </ul> <p><b>June 2024/FY 2023-2024 3<sup>rd</sup> Quarter Report:</b></p> <ul style="list-style-type: none"> <li>• 75 % Design for two new Traffic Signals</li> </ul> <p><b>July 2024/FY 2023-2024 4<sup>th</sup> Quarter Report:</b></p> <ul style="list-style-type: none"> <li>• Completion of Traffic Signal Design and Engineering for two intersections</li> </ul> <p>The Central Florida Research Park adjacent to the University of Central Florida is home to modeling, simulation and training research and procurement for the Department of Defense. As UCF has grown into one of the largest universities in our nation, traffic has increased significantly. DTF 24-105 was used to fund the design and engineering of traffic signals at two intersections which will improve traffic flow in the vicinity of the Department of Defense facilities.</p> <p><b><u>November update:</u> Final request for reimbursement submitted by grantee. Final report review and reimbursement underway. Requirement for Escrow acknowledgement agreement amendment and Three-Party Escrow agreement is root cause of delay in reimbursement. Estimate reimbursement before next FDSC meeting.</b></p>
<p>24-106 8/31/2024 \$90,000</p>	<p>(FY 23-24) Greater Miami Chamber of Commerce – Homestead Air Reserve Base Advocacy</p>	<p><b>October 2023:</b> Grant Awarded</p> <p><b>January 22, 2024:</b> Contract executed.</p> <p><b>June 7, 2024:</b> Extension executed with a new end date August 31, 2024.</p> <p><b>July 31, 2024:</b> The grant for HARB advocacy support has continued our GMCC engagement with The Roosevelt Group. In May, they conducted our second DC-fly-in advocacy trip and held HARB-related meetings and discussions with both FL Senate offices and various members of the SFL CODEL. This was a follow-up to the previous DC-engagement in March 2024 where we met with both CODEL and senior Air Force officials.</p> <p><b><u>November update:</u> Final request for reimbursement submitted by grantee. Final report review and reimbursement underway. Requirement for Escrow acknowledgement agreement amendment and Three-Party Escrow agreement is root cause of delay in reimbursement. Estimate reimbursement before next FDSC meeting.</b></p>

<b>S0253</b> <b>\$500,000</b>	(FY 24-25) Polk County	<b>May 2024:</b> Grant Awarded <b>August 2024:</b> Grantee/Commerce have begun preliminary Scope of Work discussions. <b><u>October 25, 2024:</u></b> Draft agreement in DocuSign for FloridaCommerce pre-execution routing.
<b>S0252</b> <b>\$500,000</b>	(FY 24-25) Clay County Development Authority	<b>May 2024:</b> Grant Awarded <b>June 2024:</b> Grantee/Commerce have begun preliminary Scope of Work discussions. <b><u>October 19, 2024:</u></b> Draft agreement sent to grantee for signature.
<b>S0254</b> <b>\$50,000</b>	Tampa Bay Defense Alliance	<b>May 2024:</b> Grant Awarded <b>June 2024:</b> Grantee/Commerce have begun preliminary Scope of Work discussions. <b><u>October 16, 2024:</u></b> Grant with Office of General Counsel for review and approval.
<b>S0251</b> <b>\$320,210</b>	University of West Florida	<b>May 2024:</b> Grant Awarded <b>June 2024:</b> Grantee/Commerce have begun preliminary Scope of Work discussions. <b><u>October 22, 2024:</u></b> Draft agreement sent to grantee for signature.



# Running Total of OPEN Grants

<b>OPEN GRANTS</b>								
Contract TYPE								
#	Contractor	End Date	Award Amount	Paid to Date	Funds Remaining	Funds Forfeited	Pending Payments	after pending payments
<b>FY 23-24</b>								
DTF 24-100	University of West Florida	7/31/2024	460,000.00	132,003.31	327,996.69		26,864.24	301,132.45
DTF 24-101	City of Jacksonville	6/30/2024	500,000.00	-	500,000.00		357,042.75	142,957.25
DTF 24-103	Jacksonville Aviation Authority	6/30/2024	500,000.00	-	500,000.00		425,293.92	74,706.08
DTF 24-104	Emerald Coast Regional Council	5/30/2025	182,600.00	-	182,600.00		-	182,600.00
DTF 24-105	Orange County R&D Authority	6/30/2024	120,000.00	90,939.52	29,060.48		20,393.53	8,666.95
DTF 24-106	Greater Miami Chamber of Commerce	8/31/2024	90,000.00	-	90,000.00		30,000.00	60,000.00
<b>Total</b>			<b>1,852,600.00</b>	<b>222,942.83</b>	<b>1,629,657.17</b>		<b>859,594.44</b>	<b>770,062.73</b>
<b>Grand Total Open</b>			<b>1,852,600.00</b>	<b>222,942.83</b>	<b>1,629,657.17</b>	<b>-</b>	<b>859,594.44</b>	<b>770,062.73</b>
<b>GRANT TOTAL ALL GRANTS</b>			<b>19,876,051.00</b>	<b>17,364,077.23</b>	<b>1,629,657.17</b>	<b>869,880.52</b>	<b>859,594.44</b>	<b>770,062.73</b>

# Florida Defense Support Commission Annual Budget for FY 2024-2025 November 2024 Update

FY 2024/25

**Revenues**

**Program Revenues**

Program Appropriation	2,000,000.00
<b>Total Program Revenues</b>	<b><u>2,000,000.00</u></b>

**Administrative Revenues**

Balance Forward	182,878.22
Interest to Escrow Account	21,711.73
<b>Total Administrative Revenues</b>	<b><u>204,589.95</u></b>

	<u>Programmed</u>	<u>Obligated</u>	<u>Uncommitted</u>
<b>Expenses</b>			
<b>Program Expenses</b>			
<sup>1</sup> Commission Meeting Venue Expenses	36,312.50	16,455.23	
<sup>2</sup> Contingency Reserve	223,437.50		
Military Benefits Guide	9,500.00		
<sup>3</sup> Continuing Services Contract	7,500.00		
<b>Local Grant Program</b>	<b>1,600,000.00</b>	<b>1,370,210.00</b>	
<i>Tampa Bay Defense Alliance</i>		50,000.00	
<i>Polk County</i>		500,000.00	
<i>Clay County Development Authority</i>		500,000.00	
<i>University of West Florida</i>		320,210.00	
<b>Total Program Expenses</b>	<b><u>1,876,750.00</u></b>		
<b>Administrative Expenses</b>			
<sup>4</sup> Contractual Services as Needed	110,000.00		
<sup>5</sup> Commission Member Travel and Per Diem	20,750.00	5,604.17	
Escrow Account Administration Fee		382.09	
<b>Total Administrative Expenses</b>	<b><u>130,750.00</u></b>	<b><u>5,986.26</u></b>	
<b>Total Expenses</b>	<b><u>2,007,882.09</u></b>	<b><u>22,441.49</u></b>	<b><u>196,707.86</u></b>

**Footnotes:**

1	Line includes venue expenses, A/V contractor and other meeting costs for approximately six (6) board meetings. Calculated using 2023-2024 outreach budget + 3.75% for inflation.
2	Contingency Reserve includes funds set aside for emerging needs to include studies, advocacy, travel expenses, or other responses to unplanned emerging impacts and/or threats to installation or mission future operations. Can also be used at Commission discretion to increase funding to currently approved grants, or consider funding new and/or modified existing grants.
3	Continuing Services Contract: Final payment to Matrix Design Group for Spousal Licensing Matrix Task Work Order
4	Contractual services could include IT related expenses, marketing and administrative support in anticipation of Commission needs.
5	Line includes travel expenses and per diem for approximately six (6) board meetings. Calculated using 2023-2024 travel budget + 3.75% for inflation.

# Florida Defense Support Commission

## Defense Grants Legislative Intent

(s. 288.980, F.S.)\*

- Assist communities with military installations in supporting and sustaining those installations.
- Encourage communities to develop and implement strategies to preserve and protect military installations.
- The state needs to coordinate all efforts that can support military installations throughout the state.
- The Legislature declares that public money may be used to provide such support.

(s. 288.987, F.S.)\*

- The establishment of the Commission, unlike the Task Force, requires public guidelines, application procedures and award announcements which need to be adopted prior to next year's Commission grants.

\*Full statutes included in read-ahead materials.

# Florida Defense Support Commission

## Defense Grants Legislative Guidance (s. 288.980, F.S.)

- Grant DIG and DRG awards on a competitive basis
  - Includes studies, presentations, analyses, plans, modeling, travel costs and incidentals
  - DIG includes, but is not limited to, construction, land purchases, and easements
  - Staff salaries not eligible
- Applicants must
  - Represent local government with military installation
  - Match funds 30% or greater
  - Prepare plan of action
  - Describe potential mission changes/community impacts
- Must consider at a minimum
  - Relative value of military installation
  - Potential job displacement
  - Potential impact on industries and technologies

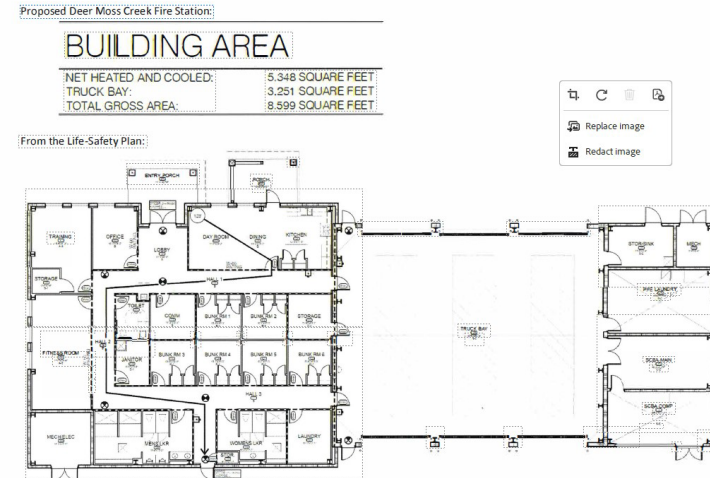
# Florida Defense Infrastructure Grant Review

**Applicant:** City of Niceville

**Amount Requested:** \$396,800.00

**Total Project Cost:** \$5,008,840.00

**Project Description:** Utilize DIG funds to cover architectural and engineering costs to design a Cat-5 + 8,600 SF Range Fire Station and a Cat-5+ 3,500 SF Fire Rescue Emergency Equipment Storage Facility. This will enable the City to submit a "Shovel Ready" project to the Department of Defense, Defense Community Infrastructure Program (DCIP) to fund the construction phase.



# Florida Defense Infrastructure Grant Review

<p><b>Applicant:</b> City of Key West</p>	<p><b>Amount Requested:</b> \$1,000,000.00</p> <p><b>Total Project Cost:</b> \$1,714,500.00</p>
<p><b><u>Project Description:</u></b></p> <p>Complete the final phase of the Bahama Village Community Center Resilience Hub (BVCCRH) project, an integral part of the South Florida Military Resilience Strategy, focused on enhancing infrastructure resilience within communities that support military installations.</p>	<p><b><u>Supporting Information:</u></b></p> <p>The surrounding community, including the City of Key West, plays a crucial supportive role by providing essential services, housing, and infrastructure that directly contribute to the operational readiness of NAS Key West.</p>

# Florida Defense Infrastructure Grant Review

<p><b>Applicant:</b> Economic Development Council of South Miami-Dade, Inc.</p>	<p><b>Amount Requested:</b> \$4,000,000.00*</p> <p>*FloridaCommerce published max cap of \$1M</p> <p><b>Total Project Cost:</b> \$12,093,283.00</p>
<p><b><u>Project Description:</u></b> Urbanization and incompatible development near the Homestead Air Reserve Base (HARB) increases safety and security risks to aviation and explosive ordnance disposal operations and may require training modifications and restrictions that limit the ability of HARB and its mission partners to accomplish its mission. The proposed project supports encroachment protection through restrictive easements and fee simple acquisition in areas near HARB vulnerable to incompatible urban development.</p>	<p><b><u>Supporting Information:</u></b></p> <p>Three Parcels all owned by Homestead Commerce Center, LLC near SW 137th AVE &amp; SW 312 Street, Homestead Florida:</p> <p>Parcel 1: 14.38 acres Parcel 2: 1.27 acres Parcel 3: 1.28 acres</p>

# Florida Defense Infrastructure Grant Review

<p><b>Applicant:</b> Polk County</p>	<p><b>Amount Requested:</b> \$500,000.00</p> <p><b>Total Project Cost:</b> \$1,000,000.00</p>
<p><b><u>Project Description:</u></b></p> <p>Enhance and protect military readiness by limiting incompatible development near Avon Park Air Force Range (APAFR). The DIG funds will match funds awarded by the Department of Defense's REPI Program with the purpose of expanded conservation easement near APAFR's boundary.</p>	<p><b><u>Supporting Information:</u></b> Central Florida Regional Planning Council's (CFRPC) supports of Polk County's Florida Defense Infrastructure Grant Program application. CFRPC is also the coordinating agency of the Avon Park Air Force Range Sentinel Landscape, a collaboration of more than 30 partners from local, state, and federal agencies, and nongovernmental stakeholders working to strengthen military readiness, conserve natural resources, bolster local economies, and enhance resilience.</p>



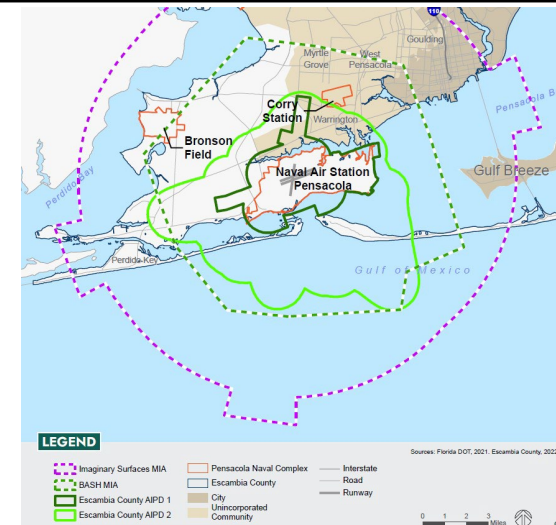
# Florida Defense Infrastructure Grant Review

**Applicant:** Escambia County Board of County Commissioners

**Amount Requested:** \$495,000.00

**Total Project Cost:** \$629,240.00

**Project Description:** Continue property/easement acquisition in support of density reduction and encroachment protection efforts in the vicinity of NAS Pensacola (NASP) and Corry Station. Escambia County will continue to work with NASP/Navy staff to identify priority parcels and negotiate terms of sale with owners within the Airfield Influence Planning Districts (AIPDs) and Accidental Potential Zones (APZs) outside NASP boundaries.



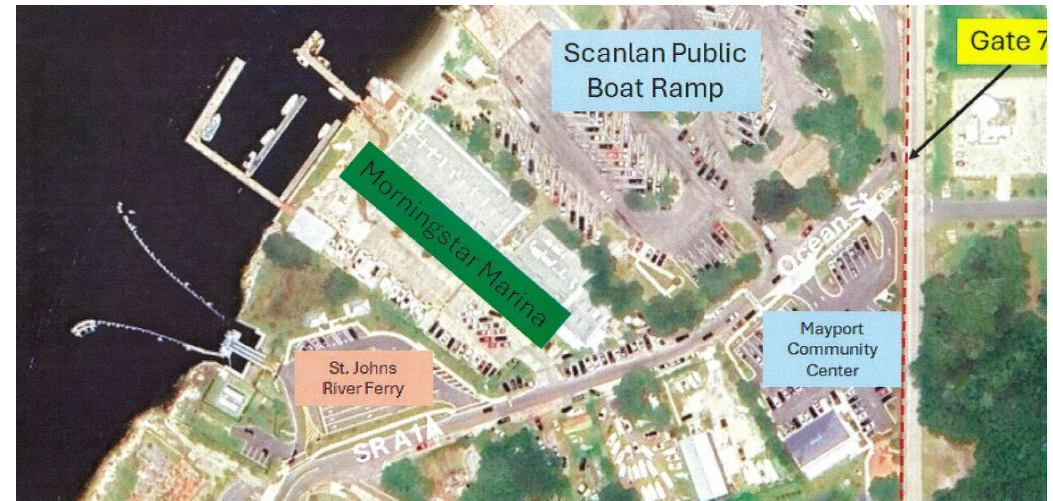
# Florida Defense Infrastructure Grant Review

**Applicant:** City of Jacksonville

**Amount Requested:** \$248,863.04

**Total Project Cost:** \$323,521.96

**Project Description:** Provide repairs to state and city roadways that are expected to be damaged by the rerouting of commercial vehicles through Historic Mayport Village to a different gate/Commercial Vehicle Inspection Station for Naval Station (NS) Mayport. NS Mayport is conducting roadway repairs that will require shifting commercial traffic from Gate 5 to Gate 7 which is located 1 mile north.



# Florida Defense Infrastructure Grant Review

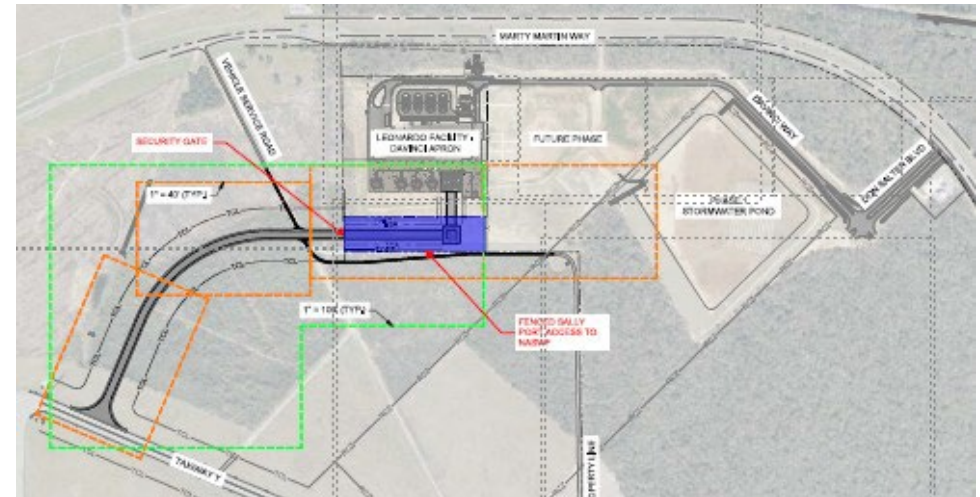
**Applicant:** Santa Rosa County Board of County Commissioners\*

\*Award announced July 1 via Press Release from Executive Office of the Governor

**Amount Requested:** \$500,000.00

**Total Project Cost:** \$650,000.00

**Project Description:** Construct a mutually endorsed security portal controlling the entrance and exit of aircraft from the aviation industrial park to the air base runways. The sallyport design will be a double-entry "safe haven" area between NAS Whiting Field and Whiting Aviation Park properties. The construction of the sallyport will be off the military installation and entirely on Santa Rosa County owned property within Whiting Aviation Park.



# Florida Defense Infrastructure Grant Review

<p><b>Applicant:</b> Clay County Development Authority</p>	<p><b>Amount Requested:</b> \$500,000.00</p> <p><b>Total Project Cost:</b> \$690,000.00</p>
<p><b>Project Description:</b></p> <p>The Installation Security and Communications infrastructure project remedies access and perimeter security and emergency communication items that are either inoperable or identified as not meeting force security requirements.</p>	<p><b>Supporting Information:</b></p> <ul style="list-style-type: none"><li>• Grantee shall purchase materials, construct and install 5,800' of force security standard perimeter fencing on CBJTC.</li><li>• Grantee shall purchase materials, construct and install vehicle barrier arms and automatic gates at identified points of entry on CBJTC.</li></ul>

# Florida Defense Infrastructure Grant Review

<p><b>Applicant:</b> City of Pensacola</p>	<p><b>Amount Requested:</b> \$1,000,000.00</p> <p><b>Total Project Cost:</b> \$1,300,000.00</p>
<p><b>Project Description:</b></p> <p>Acquire strategically located land near Naval Air Station (NAS) Pensacola to develop affordable housing for military personnel and their families. By securing this land, the project ensures long-term availability of affordable housing options, enhancing the quality of life for service members and supporting military readiness.</p>	<p><b>Supporting Information:</b> The availability of nearby affordable housing for military families reduces the likelihood of base personnel needing to live far from the installation, which, in turn, helps maintain a stable local workforce that supports local businesses and services. A geographically concentrated workforce also minimizes transportation costs and time, which has indirect economic benefits for both the community and the base.</p>

# Florida Defense Infrastructure Grant Review

**Applicant:** Bay County

**Amount Requested:** \$585,366.47

**Total Project Cost:** \$836,237.82

## Project Description:

Construct Phase III of a Multi-Use Path connecting to the existing path on Magnolia Beach Road and Delwood Beach Road near Naval Support Activity – Panama City. This path would connect to the existing pedestrian facilities along Magnolia Beach Road, thus providing additional pedestrian connectivity to two government facilities.



# Florida Defense Infrastructure Grant Review

**Applicant:** Miami-Dade County

**Amount Requested:** \$100,000.00

**Total Project Cost:** \$130,000.00

**Project Description:** Conduct a site development analysis on a targeted 22-acre County-owned parcel in proximity to the Homestead Air Reserve Base (HARB). The analysis is necessary for positioning the property for economic development uses compatible with base operations. Potential dual-use infrastructure enhancements have a potential positive impact for HARB's mission and the surrounding community.



## FY 2025 – 2026 FDSC Proposed Meeting Schedule

<u>Date</u>	<u>Meeting Location</u>	<u>Site Visit / Other Notes</u>
July 17, 2025	Orange Park	Camp Blanding JTC
August, 2025	<b>NO MEETING</b>	
September 18, 2025	Navarre	Hurlburt Field ( <i>USAF birthday!</i> )
October 2025	<b>NO MEETING</b>	
November 20, 2025	Space Coast (City TBD)	FDA November 19, 2025 / Installation site visit TBD
December 2025	<b>NO MEETING</b>	
January 15, 2026	Tallahassee	Session / General Dynamics
February, 2026	<b>NO MEETING</b>	
March 19, 2026	Key West	NAS Key West
April 2026	<b>NO MEETING</b>	
May 21, 2026	Tallahassee	FDA May 20, 2026 / Grants
June 2026	<b>NO MEETING</b>	





## **Military Base Protection Program: Non-Conservation Lands**

November 2024

# Military Base Protection Program

- Established under F.S. 288.980; includes the securing of non-conservation lands to serve as a buffer to protect military installations against encroachment.
- “Non-conservation lands” are defined as lands that are not subject to acquisition by the Florida Forever Program.



# Military Base Protection Program

- Task Force must review annually by December 1 the list submitted to FloridaCommerce by military installations and provide recommendations for ranking the lands back to FloridaCommerce.
- With each recommended land acquisition:
  - Legal description with property ID #
  - Detailed map
  - Management and monitoring agreement to ensure land serves a base buffering purpose



# Process

- Base commanders submit non-conservation land encroachment threats to FloridaCommerce.
- FloridaCommerce provides those submissions to Task Force for prioritization.
- FDSTF prioritizes list.
- FloridaCommerce submits list to the Board of Trustees which may acquire the lands.



# Types of Encroachment

- Development in Clear Zone, Accident Potential Zones, or within 65dB and above noise contour line.
- Sites exempted from local government AICUZ Ordinance (previously purchased).
- Proximity to existing sonar testing facility.
- Proximity to existing and proposed ranges.



# Considerations

- Existing land use restrictions; actual/current use
- Future land use designation and zoning
- Existing development on site
- Redevelopment potential
- Ownership
- Identified encroachment threat
- Short Term vs. Long Term Threat; development pressures



# Prioritization Criteria

## Tier 1

- High likelihood of incompatible development within Clear Zone or Accident Potential Zone 1.
- Approved development with potential to impact overall base mission.
- No existing restrictions on development to reduce encroachment/safety risk.

***High Mission Impact + High Likelihood of Near-Term Development***



# Prioritization Criteria

## Tier 2

- High likelihood of incompatible development within Accident Potential Zones 1 or 2.
- Proposed development with potential to impact overall base mission.
- Existing development within Clear Zone or Accident Potential Zones, but with low likelihood of redevelopment.

*Lower Potential Impact or More Time for State to Act than Tier 1*





# Prioritization Criteria

## Tier 3

- High likelihood of incompatible development within existing noise contours (high noise areas).
- Possible development with potential to impact overall base mission.
- Threat from potential for future development mitigated by one or more of:
  - Existing restrictive easements on properties.
  - Currently compatible land use.
  - Currently compatible zoning on property.

*Serious Concern, but Less Impact or More Time than Tier 2*



# Tier 1

- **Avon Park AFR** – The Resort at Canopy Oaks (345 acres in MIPA 1) {formerly known as “Triple Canopy Ranch”}
- **Eglin AFB** – Valparaiso Lots (6 acres/18 homes in Clear Zone)
- **Homestead ARB** – Homestead Commerce Center, LLC – (3 parcels totaling 16.93 acres) *{proposed site for multiple 4-story buildings & a childcare center}*
- **Homestead ARB** – Homestead Park of Commerce (12.88 acres in APZ 2)
- ~~**NS Mayport** – (1.19 acres {Helow Properties Ltd.} adjacent to main gate; security issues)~~
- ~~**NS Mayport** – Mayport Road LLC (2.13 acres adjacent to main gate; security issues)~~
- **NAS Jacksonville** – JEMSET LLC (127 acres in APZ 2)
- ~~**NAS Jacksonville** – Southbelt Park Ltd. (23 acres in APZ)~~
- **NAS Key West** – Alfred Sears Trust Property (124 acres in APZ 1)
- ~~**NAS Pensacola** – Cook Property (37.32 acres in APZ 1)~~
- **NAS Pensacola** – Gilchrist Property (31.15 acres in APZ 1)



## Tier 2

- **Bugg Spring** – Joseph Branham – (5.5 acres in Noise Contour Zone)
- **Bugg Spring** – Spring Creek Run – (49.85 acres in Noise Contour Zone)
- **MacDill AFB** – 3C Self Storage – in Clear Zone (2.53 acres already developed-incompatible w/ CZ)
- **MacDill AFB** – ZONS Property (5.9 acres in Clear Zone)
- **NAS Key West** – Enchanted Island (4 acres in APZ 1)



## Tier 3

- **Camp Blanding** – Ira Adams – (85 acres less than one mile from installation boundary and near the artillery impact area, the area that produces the highest noise on the installation)
- **Camp Blanding** – Jason Canova – (106 acres adjacent to the installation boundary and adjacent to the Corridor and Route System (CARS) aviation route in and around installation)
- **MacDill AFB** – Caribbean-American Club – 1.38 acres already developed (in APZ 1)
- **NAS Key West** – Gulf Seafood (8 acres in high noise area)
- **NS Mayport** – (1.19 acres {Helow Properties Ltd.} adjacent to main gate; security issues)
- **NS Mayport** – Mayport Road LLC (2.13 acres adjacent to main gate; security issues)



# MBPP Funding

- Original state funding for 3 parcels (FL Rock, Mayport Village and Barefoot Palms) was \$7.5 million in FY14-15.
- \$3.7 million remained with DEP for FL Rock property; all funding reverted in FY19-20.
- No additional funding appropriated to date.



# Questions & Answers





Where Manufacturing Technology and Talent Matter

# The National Advanced Materials Manufacturing Innovation Institute

Florida Defense Alliance  
21 NOV 24

*LIFT is operated by the American Lightweight Materials Manufacturing Innovation Institute (ALMMII), a Detroit-based nonprofit public-private partnership*



Rev. 8-7-24

# What is LIFT?



## Driving American Advanced Manufacturing Into the Future Through Technology and Talent Development

LIFT is an accelerator convening and connecting government, industry and academia in the fields of **advanced materials, manufacturing processes, systems engineering and talent development** to enhance America's manufacturing competitiveness, national economy and national security.



Nonprofit 501(c)3 | Public-Private Partnership | Member Based



# Select Members of the LIFT Ecosystem

Convening and Connecting Industry, Academia, and Government



# Manufacturing USA Institute Network



DOC – Dept. of Commerce  
DoD – Dept. of Defense  
DOE – Dept. of Energy



# The Challenge

# Materials Are of National Importance

“An improved Materials Innovation Infrastructure would deliver between **\$123 billion** and **\$270 billion** in value annually.”

Economic Analysis of National Needs for Technology Infrastructure to Support the Materials Genome Initiative, 2018

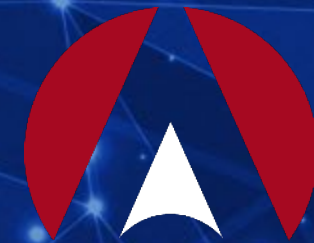
“Advanced materials explore **innovative new materials** and **novel manufacturing techniques** that can dramatically improve many of the Department's capabilities. Materials that **have higher strength, lighter weight, higher efficiency**, and can handle more **extreme temperatures** will have the potential to better protect our service members and enhance their ability to accomplish their missions.”

Office of the Under Secretary of Defense, Research & Engineering (OUSD(R&E))  
Strategic Vision & Critical Technology Areas, 2022



# Time is of the essence

Leaping ahead of our global competitors takes *transformational* – not incremental – change.



# The LIFT Solution

# The LIFT Program

## The National Advanced Materials Manufacturing Innovation Institute

- ▶ 100K sq.-foot headquarters in Detroit – The heart of American Manufacturing
  - ▶ \$50M+ in state-of-the-art advanced manufacturing equipment
  - ▶ 7,500+ visitors annually
- ▶ 5M sq.-feet of active and available industrial commons across the country
- ▶ 30+ active technology projects involving large OEMs & small manufacturers employing 1,000s nationwide
- ▶ Talent operations active in 25 states and territories
- ▶ 4,000+ people engaged in LIFT STEM and Career Technical Education (CTE) programs
- ▶ Meeting our national mandate via satellite operations in Puerto Rico and Florida
- ▶ ROI to taxpayers greater than x100



# The LIFT Advantage



**Trusted Advisor:** With experts in-house and an ecosystem across industries, LIFT is the trusted advisor for small and medium-sized manufacturers to help them transition toward the future.



**Technology Accelerator:** LIFT helps organizations move emerging technologies from advanced concepts to commercialization so they can be adopted by industry and the warfighter faster.



**Technology Showcase and Sandbox:** Bringing the “art of the possible” to reality, the LIFT Technology Showcase and Sandbox is where manufacturers see the benefits of connecting materials, processes, systems and talent.



**Connector:** As a public-private-partnership between government, industry and academia, LIFT connects needs, ideas and people, to the organizations that can move the needle.



**Convener:** With a national network of the Department of Defense, government, academia and industry, LIFT convenes experts in advanced manufacturing.

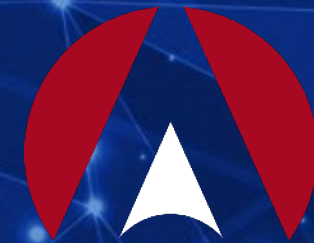


**Talent Developer:** Developing new venues, tools and teaching techniques, LIFT’s competency-based, technology-infused talent development program is redefining manufacturing education.



**Government Partner:** LIFT’s partnerships across the federal government eliminate barriers of entry for your organization and ensure rapid and efficient contracting combined with expert program management.





# Learning Innovations For Tomorrow

# Preparing Tomorrow's Advanced Manufacturing Workforce



A 3-year foundational high school curriculum to develop the “multi-skilled technician” needed in today’s workplace

- ▶ Year 1: Materials Science and Introduction to Manufacturing
- ▶ Year 2: Advanced Manufacturing Systems 1
- ▶ Year 3: Advanced Manufacturing Systems 2



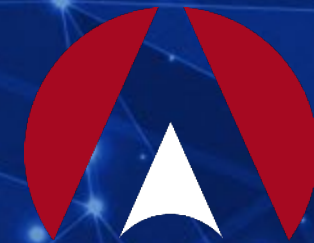
An innovative credentialing program for active-duty servicemembers, veterans, National Guard and Reservists, spouses and civilians, in nationally portable, industry-recognized and high-demand manufacturing fields.

- ▶ CNC Machining
- ▶ Welding
- ▶ Robotics
- ▶ Industrial Technology Maintenance



A state-of-the-art interactive learning facility, located in the LIFT Detroit facility, the LIFT Learning Lab features six unique labs to prepare students for the most in-demand manufacturing careers.

- ▶ Smart Factory Twin Lab
- ▶ Fundamental Skills Development Lab
- ▶ LIFT Virtual Learning Lab
- ▶ Materials Science & Project Fabrication Lab
- ▶ Welding Technician Training Center
- ▶ CNC Operations Training Center



# Leading Innovations For Tomorrow

# Bridging The Gap In Manufacturing Innovation

Accelerating advanced technologies into manufacturing, scale up and commercialization



Research

Commercialization

1

2

3

4

5

6

7

8

9

10

MANUFACTURING READINESS LEVEL



ADVANCED MATERIALS



MANUFACTURING PROCESSES

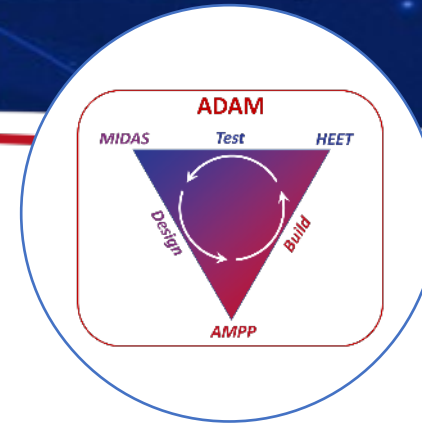


SYSTEMS ENGINEERING

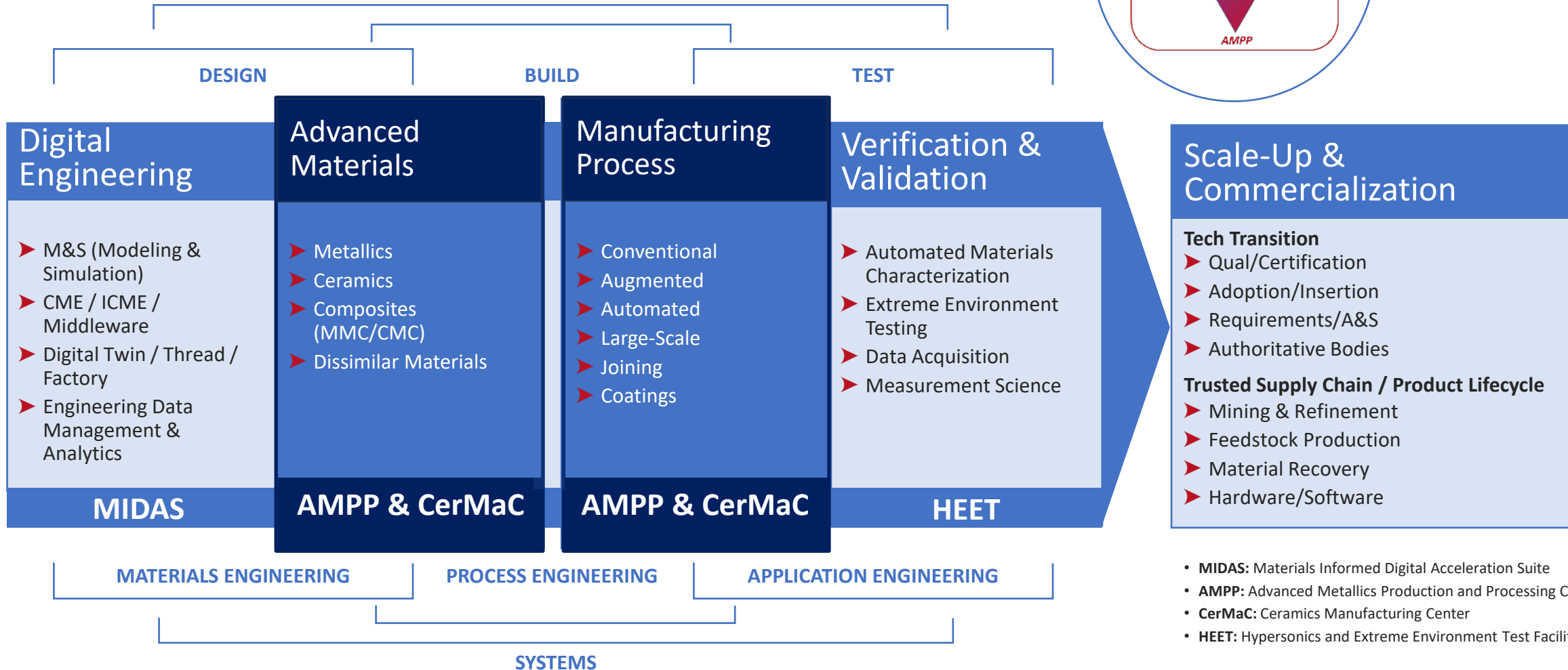


TALENT DEVELOPMENT

# Leading Innovations for Tomorrow



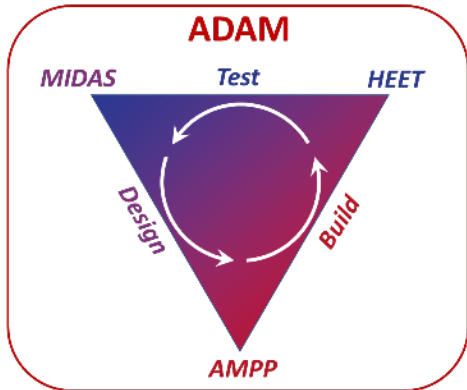
## ACCELERATED DEVELOPMENT OF ADVANCED MATERIALS (ADAM)



- **MIDAS:** Materials Informed Digital Acceleration Suite
- **AMPP:** Advanced Metallics Production and Processing Center
- **CerMaC:** Ceramics Manufacturing Center
- **HEET:** Hypersonics and Extreme Environment Test Facility

# Design, Produce, Verify & Validate Advanced Materials

## Accelerated Development of Advanced Materials



*it's a material world*



MIDAS – Materials Informed Digital Acceleration Suite



AMPP – Advanced Metallics Production and Processing center



HEET – Hypersonics and Extreme Environment Test facility



CerMaC – Ceramics  
Manufacturing Center



Building the national and global benchmark for accelerated materials development:

→ **Design** [MIDAS], **Produce** [AMPP/CerMaC], **Test** [HEET]



# LIFT in Florida

# LIFT Expansion into Florida

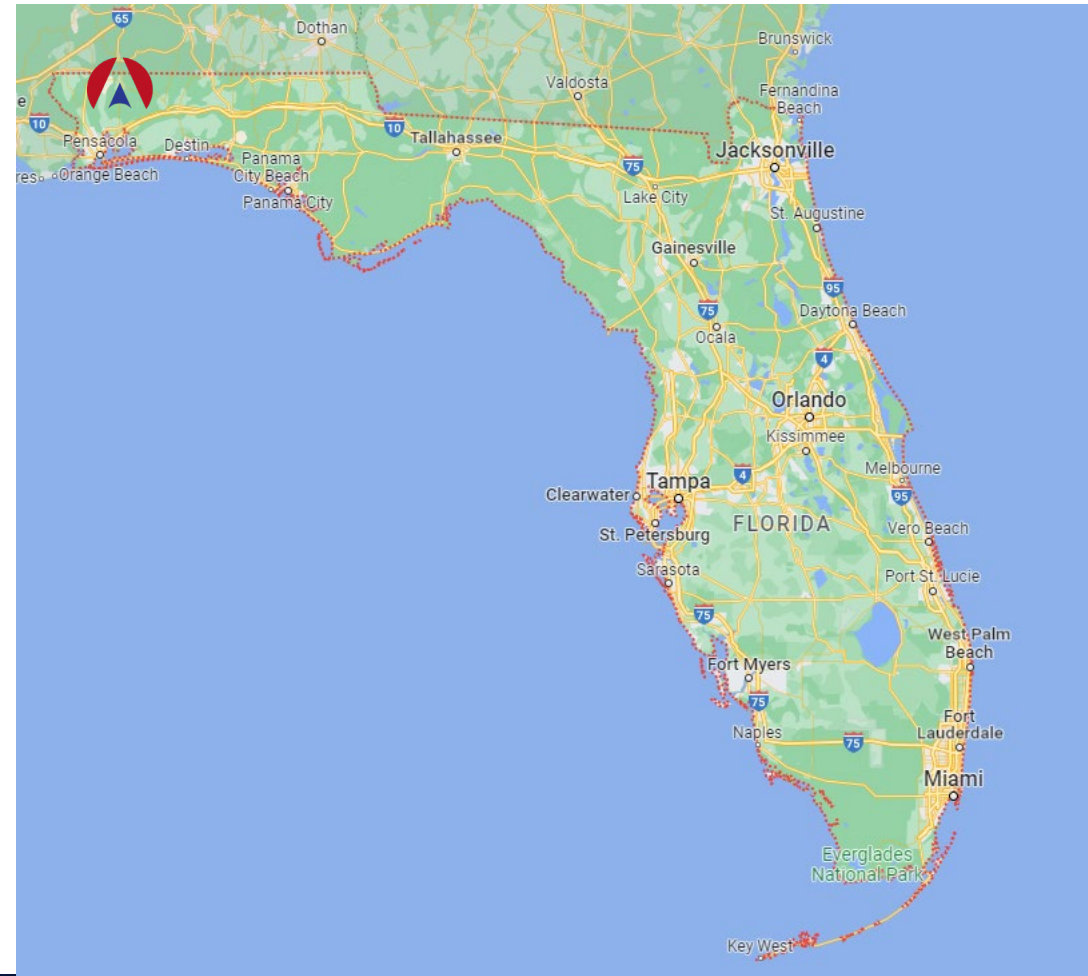
## The Florida Mission

Building upon the expansion of **Operation Next** into Florida, serving the Florida National Guard a Reserves, LIFT will develop a facility in the Sunshine State to replicate the ecosystem it built in Detroit around Florida's **aerospace, defense, space and Special Operations Command**.

## The Florida Ecosystem



## Possible Florida Mission





# Join Us For a Voice of Industry Forum in February 2025!

**February 18 | 8:00 a.m. – 3:00 p.m. | Orlando Economic Partnership**

**WHAT:** LIFT’s “Voice of Industry Workshop”

**WHEN:** Tuesday, February 18, 2025

**WHERE:** Orlando Economic Partnership

**WHO:** Florida-based Industry, Academia and Government

**WHY:** To help LIFT and its ecosystem understand the advanced manufacturing ecosystem in the Sunshine State by hearing directly from you.

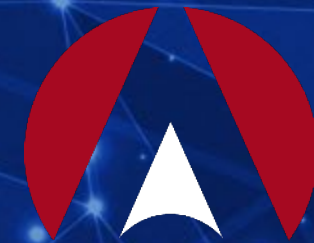
**Register Today!**



**ORLANDO  
ECONOMIC  
PARTNERSHIP**



Where Manufacturing Technology and Talent Matter



Join us in developing the technology and talent  
for our nation's advanced manufacturing future.

Driving American Advanced  
Manufacturing Into the Future.



# Thank You

1400 Rosa Parks Blvd.  
Detroit, Michigan 48216  
(313) 309-9003

[communications@almmii.org](mailto:communications@almmii.org)  
[www.lift.technology](http://www.lift.technology)



LIFT



@NewsFromLIFT



@NewsFromLIFT



@NewsFromLIFT



# FLORIDA MANUFACTURING & DEFENSE INDUSTRIAL BASE

PRESENTED BY: KEVIN CARR



WITH THE SUPPORT OF:

**FloridaMakes**



# About FloridaMakes

FloridaMakes is a statewide, industry-led, public-private partnership operated by an alliance of Florida's manufacturers associations with the sole mission of strengthening and advancing Florida's economy by improving the competitiveness, productivity and technological performance of its manufacturing sector, with an emphasis on small- and medium-sized firms.

FloridaMakes is the official representative of the Manufacturing Extension Partnership (MEP) National Network in the state of Florida, a program of the National Institute of Standards and Technology, an agency of the U.S. Department of Commerce.

## Mission

Improve the productivity and technological performance of Florida's manufacturing sector.



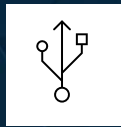
PART OF THE



MEP  
National  
Network™

# VALUE STREAMS

## OBJECTIVES



### Technology Adoption



### Business Growth

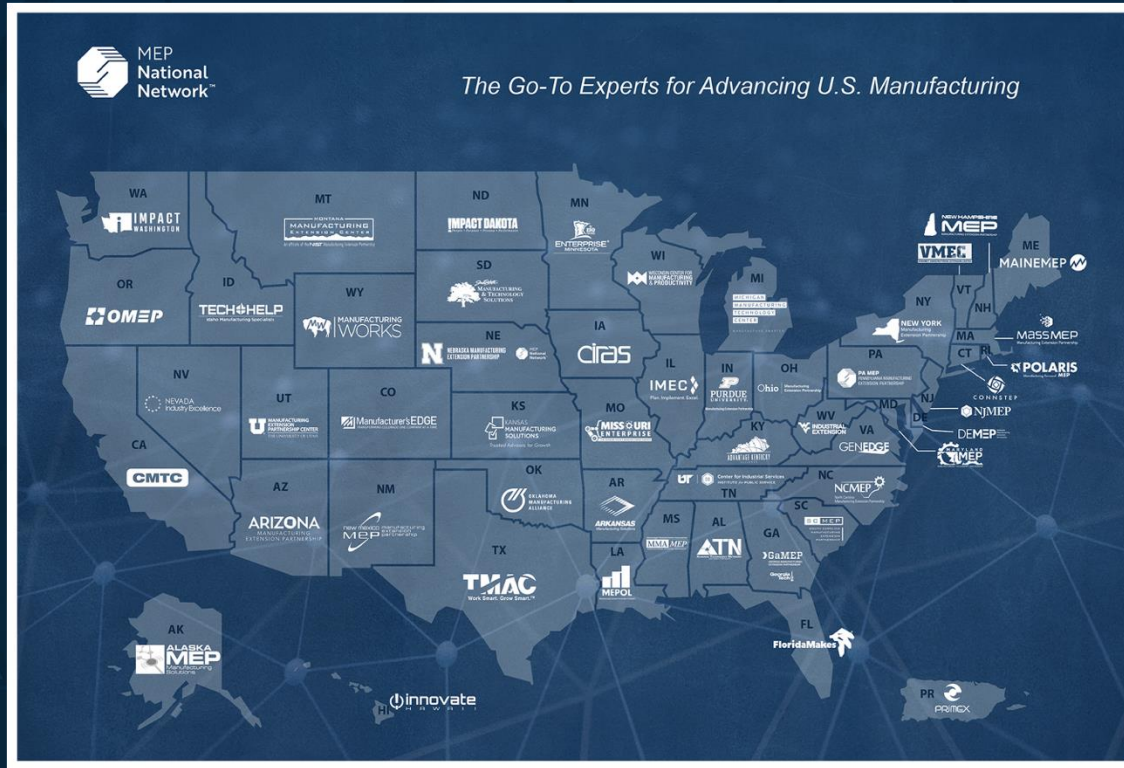


### Talent Development

- Deliver high-impact products and services
- Increase the size and value proposition of manufacturers' networks
- Improve the efficiency & effectiveness of Florida's manufacturing ecosystem
- Increase statewide awareness of the importance of manufacturing

# About the MEP National Network

## NIST MEP National Network Manufacturing Extension Partnership



**FloridaMakers**  
it possible.



Learn more about the MEP National Network via: <https://www.nist.gov/mep/>

# 2023



## Florida Manufacturing

---



With the support of **FloridaMakes** 



# Florida ManuFACTS

As of today...



26,969 establishments



+427,000 jobs



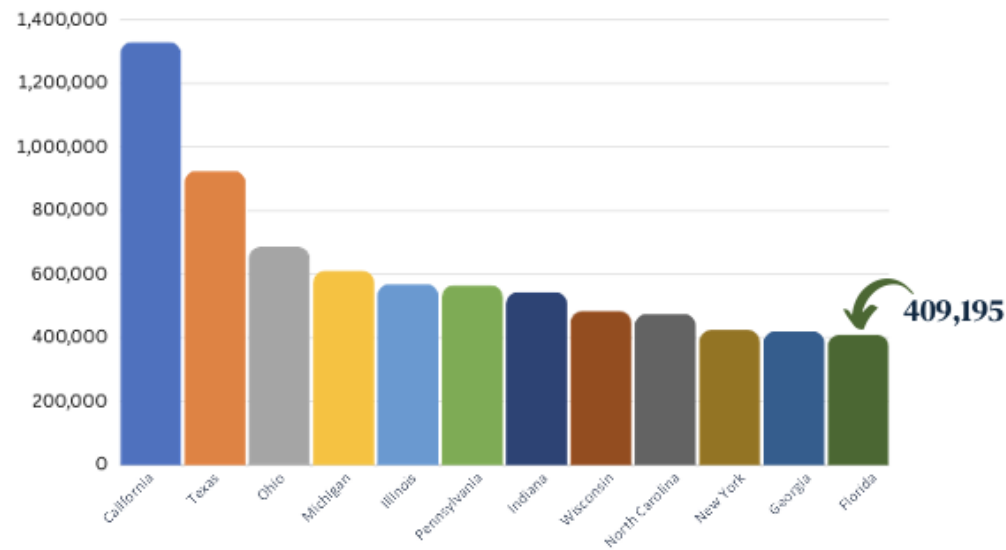
\$74,588 annual average wage

80% have less than 20 employees

# Employment

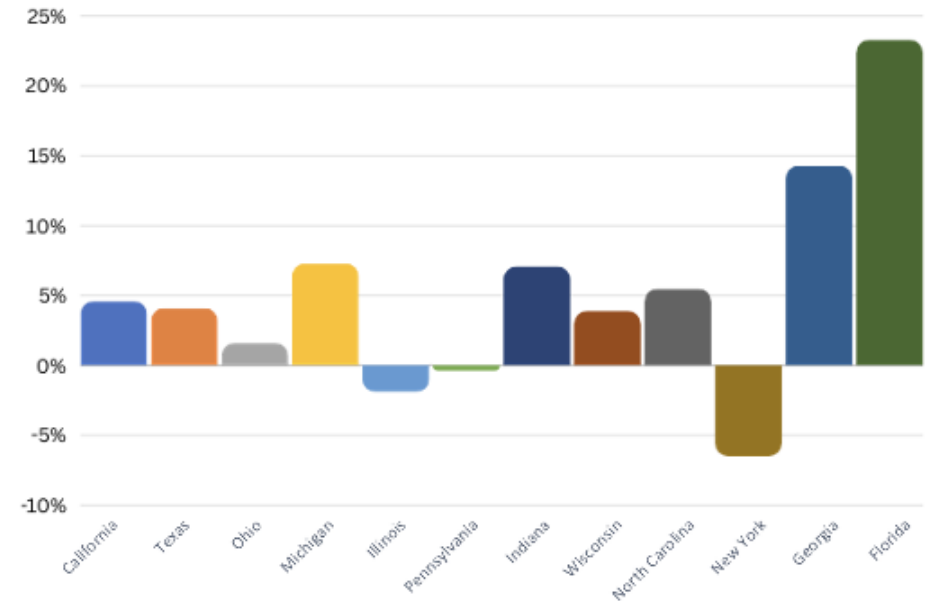
# GROWTH

### 2022 Top 12 States for Manufacturing Employment



Source: Bureau of Economic Analysis

### Manufacturing Employment Growth Rate Top 12 States 2014 - 2022



# HIGHER WAGES

**Manufacturing jobs are premium jobs, offering higher wages, increased productivity, and economic resilience.**

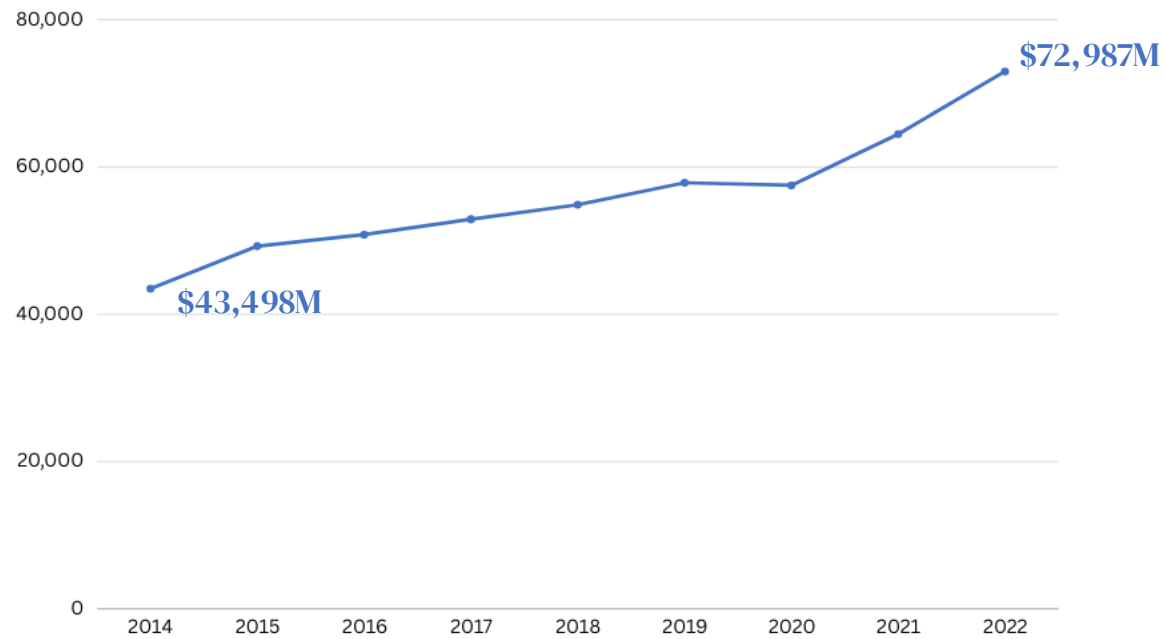
The manufacturing industry cluster's 2022 average annual wage also increased more than the average wage for all industries over the year and grew at a faster rate.



# Economic Growth

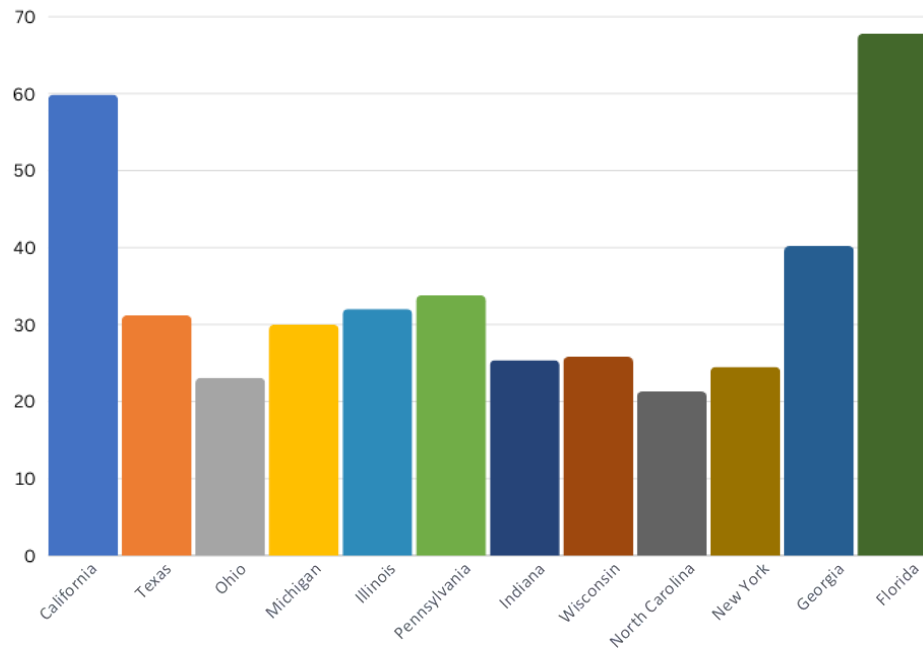
**FloridaMakes**  
it possible.

### Florida's Manufacturing Output (GDP in \$ millions)



Source: Bureau of Economic Analysis

### 2014 - 2022 GDP Growth Rate (%) Top 12 States for Manufacturing Employment



Source: Bureau of Economic Analysis

10<sup>TH</sup>

LARGEST STATE FOR  
MANUFACTURING EMPLOYMENT

Our goal is to be in the top five for  
manufacturing employment in the country by  
2030.

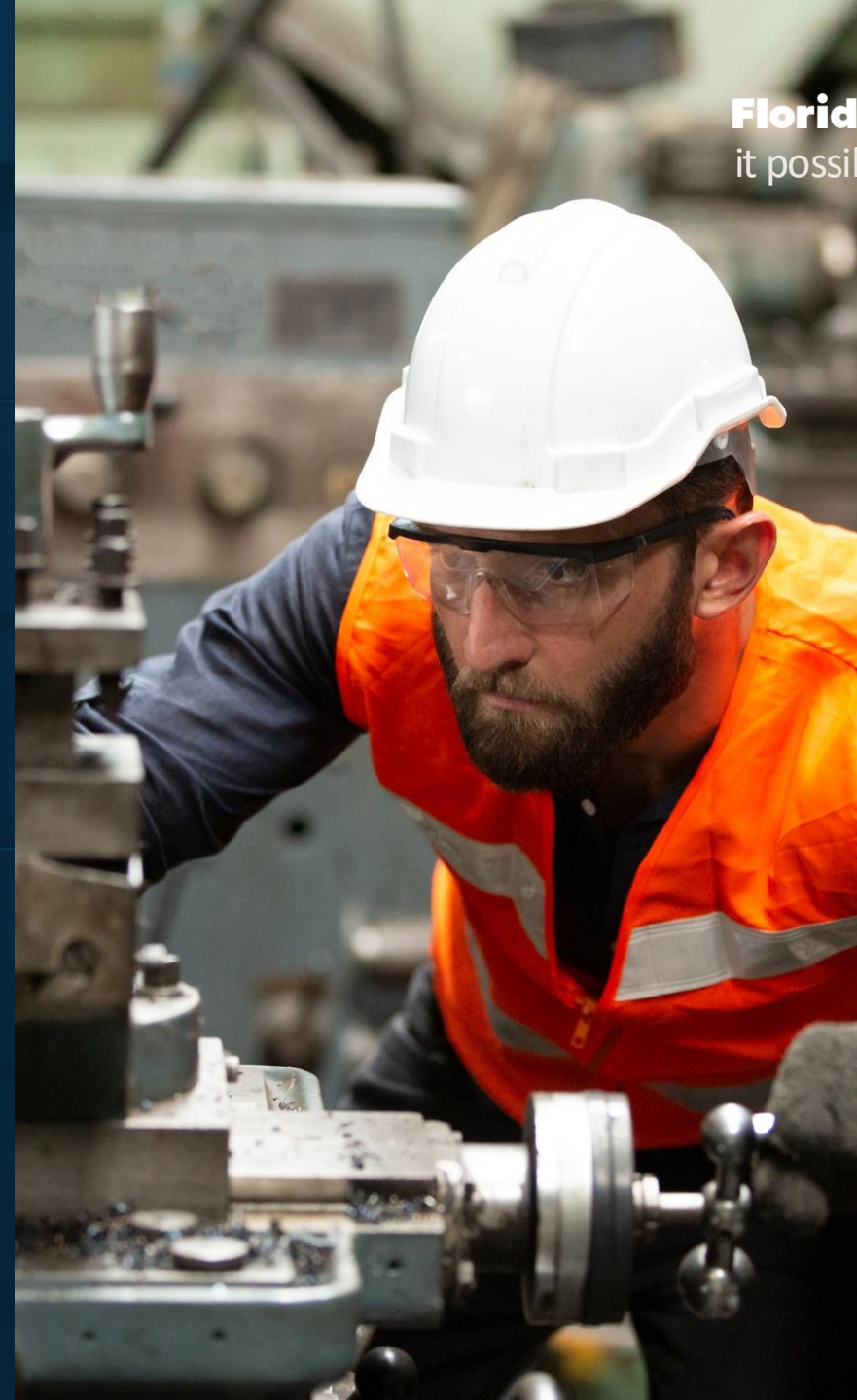
**FloridaMakes**  
it possible.

## MANUFACTURING PRODUCTIVITY

Florida's manufacturing employment and GDP growth surpass national averages, but there's room for improvement in manufacturing productivity (output per worker), where Florida ranks 31st in the U.S.

# \$16.38B

COST TO FLORIDA'S ECONOMY OF OPERATING AT A  
PRODUCTIVITY LEVEL BELOW THE U.S. AVERAGE



# KEY FACTORS TO IMPROVE PRODUCTIVITY

## ADVANCED TECHNOLOGIES

Greater use and development of advanced technologies.

## WORKFORCE EDUCATION

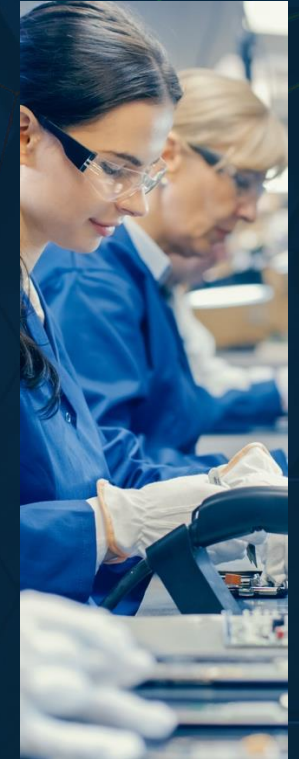
Increase the skills of the incumbent workforce. and the talent pipeline.

## GROWING & ATTRACTING BUSINESS

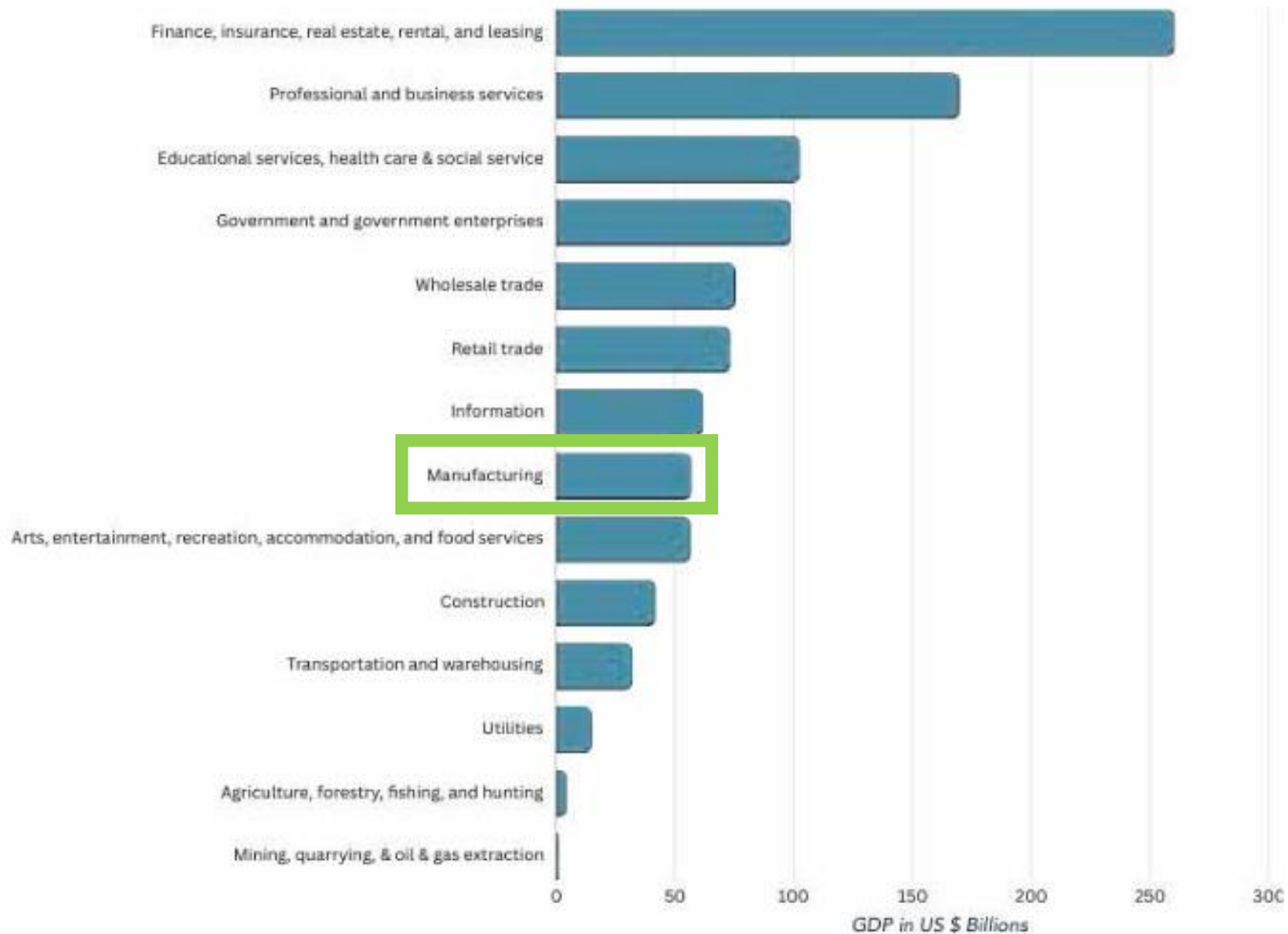
Increase number and share of high value, high trade industries.

## SUPPLY CHAINS

Increase the value contribution of our supply system to high value, high trade sectors, both domestically and internationally.




# Real Value Added to Florida GDP in 2022, by Industry



Source: Bureau of Economic Analysis, March 2023





**MANUFACTURING  
MATTERS IN  
FLORIDA**

## DEFENSE MANUFACTURING

Defense Manufacturing: Florida is home to over 30,000 federal contractors, and over 25,000 manufacturers, many of which support our nation's defense industry.

**>30K**

FEDERAL CONTRACTORS

**3<sup>RD</sup>**

NATIONWIDE EMPLOYMENT

**914,000**

JOBS IN FLORIDA

**>\$21B**

ANNUAL DEFENSE CONTRACTUAL SPEND



## **AVIATION AND AEROSPACE MANUFACTURING**

Florida is a global leader in aviation and aerospace manufacturing, with over 17,000 aerospace-related companies, employing over 120,000 workers, and generating over \$19 billion in annual revenue.

**17K**

**AEROSPACE RELATED COMPANIES**

**>120K**

**WORKERS EMPLOYED**

**>\$19B**

**ANNUAL REVENUE**



## **COMPUTER & ELECTRONICS PRODUCT MANUFACTURING**

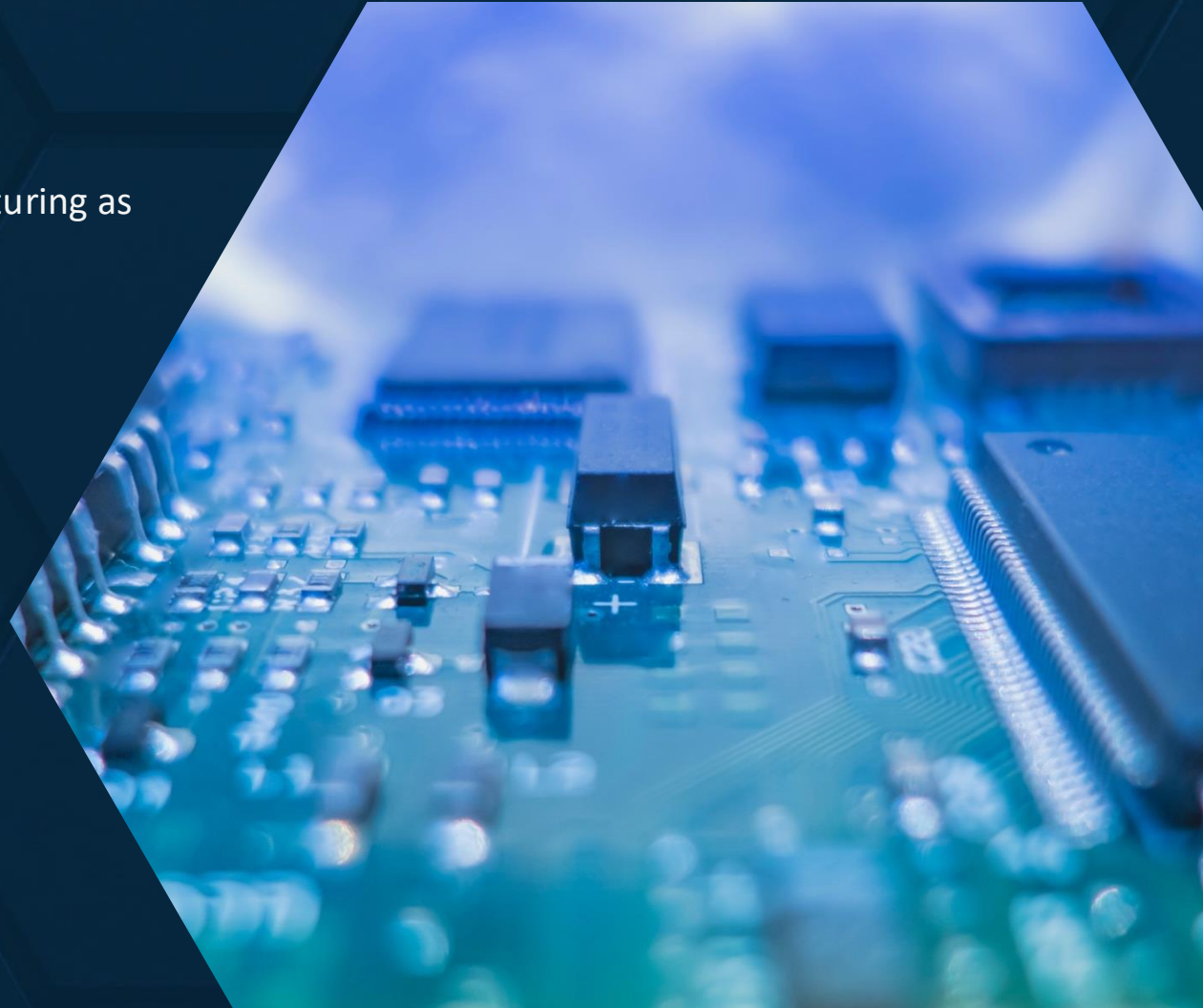
Semiconductor and related microelectronics product manufacturing as well as broader electronics and communications equipment manufacturing are important elements of Florida's economy.

**5<sup>TH</sup>**

**NATIONWIDE EMPLOYMENT**

**>\$3.7B**

**GDP GENERATED IN 2021**



## **BOAT AND SHIP BUILDING MANUFACTURING**

Florida is the top state for boat building and shipbuilding manufacturing, with over 19% of the establishments in the U.S. boat building sector located in Florida.

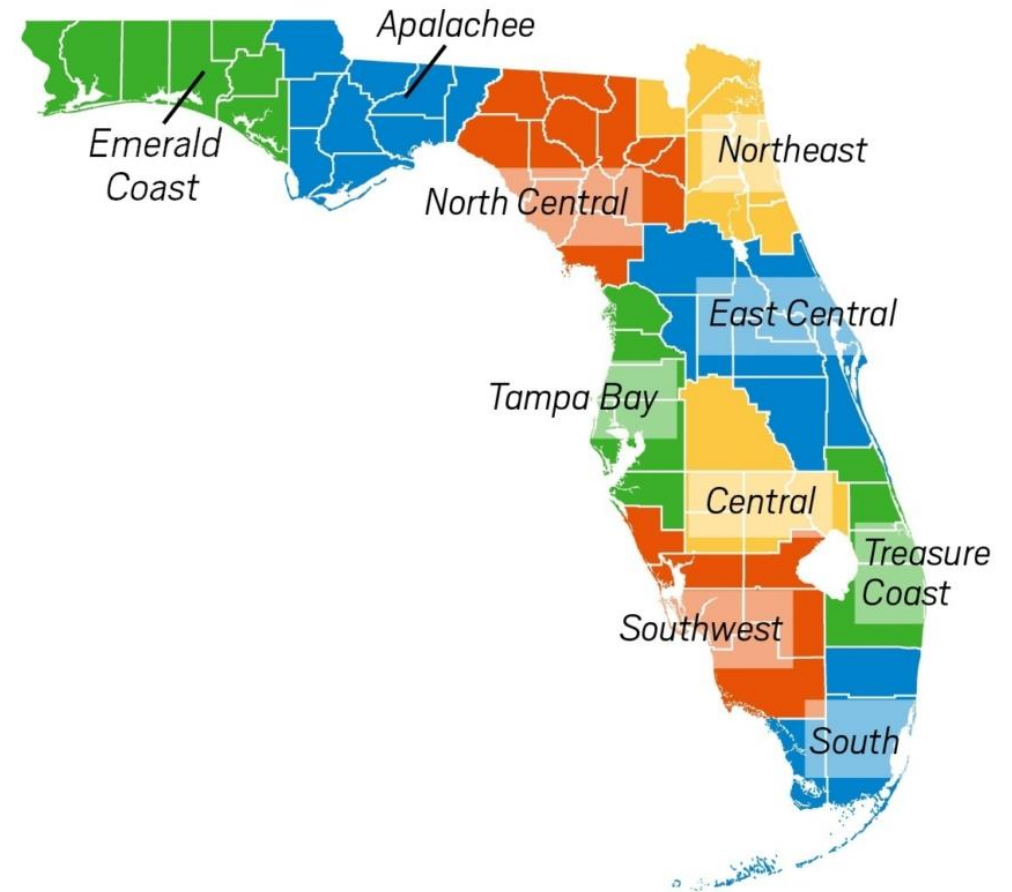
**>19%**

**OF ALL ESTABLISHMENTS IN FLORIDA**

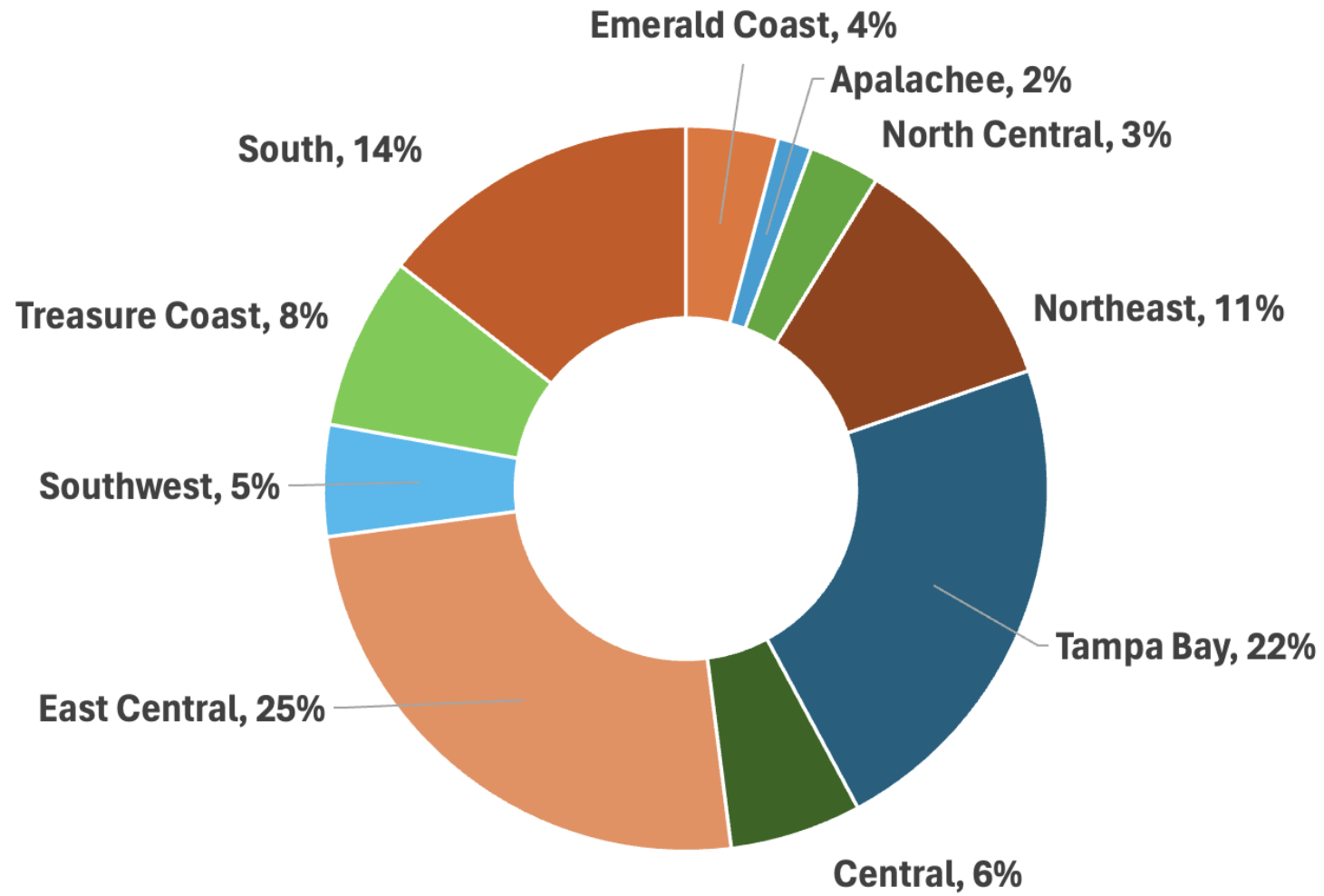


# REGIONAL PROFILES

- Florida's diverse regions exhibit varying demographic, cultural, and economic profiles.
- The state is divided into 10 regions based on regional planning council districts, each fostering economic and infrastructural ties.
- Manufacturing is crucial in various industry clusters across Florida, supporting regional economic strategies.
- Local awareness of manufacturing can stimulate economic growth and workforce development within each region.



## Share of Florida Manufacturing GDP by Region - 2022



# 2023 Florida Manufacturing Report



WITH THE SUPPORT OF:



PART OF THE



MEP  
National  
Network™

**Scan the QR code to access the  
digital version of this report**



**or visit the following link:**

**[bit.ly/3UOMJxj](https://bit.ly/3UOMJxj)**



**KEVIN CARR**

Chief Executive Officer

[Kevin.Carr@floridamakes.com](mailto:Kevin.Carr@floridamakes.com)  
**240.344.7155**

**FloridaMakes**



THE STATE OF MANUFACTURING IN FLORIDA

# ADDITIONAL INFORMATION



**FloridaMakes**

[www.floridamakes.com](http://www.floridamakes.com)

| THE STATE OF MANUFACTURING IN FLORIDA

# Florida Regional Manufacturing Statistics

REGIONS	Establishments	% of Total	# of Employees	% of Total	GDP (\$US Bn)
Emerald Coast	460	2.6%	6,760	2.2%	2.93
Apalachee	103	0.6%	1,146	0.4%	1.08
North Central	188	1.1%	4,805	1.6%	2.25
Northeast	1,089	6.1%	25,041	8.2%	7.77
Tampa Bay	3,535	19.9%	68,061	22.4%	15.93
Central	563	3.2%	15,231	5.0%	4.17
East Central	3,230	18.2%	68,779	22.6%	17.69
Southwest	1,398	7.9%	16,553	5.5%	3.53
Treasure Coast	1,911	10.8%	27,499	9.1%	5.49
South	5,285	29.8%	70,051	23.1%	10.27

Some regional data is withheld to meet confidentiality rules for employment surveys, which can affect the accuracy of statewide totals.

Source: FloridaCommerce Workforce Statistics and Economic Research Office

# Statewide Footprint

**FloridaMakes**  
it possible.



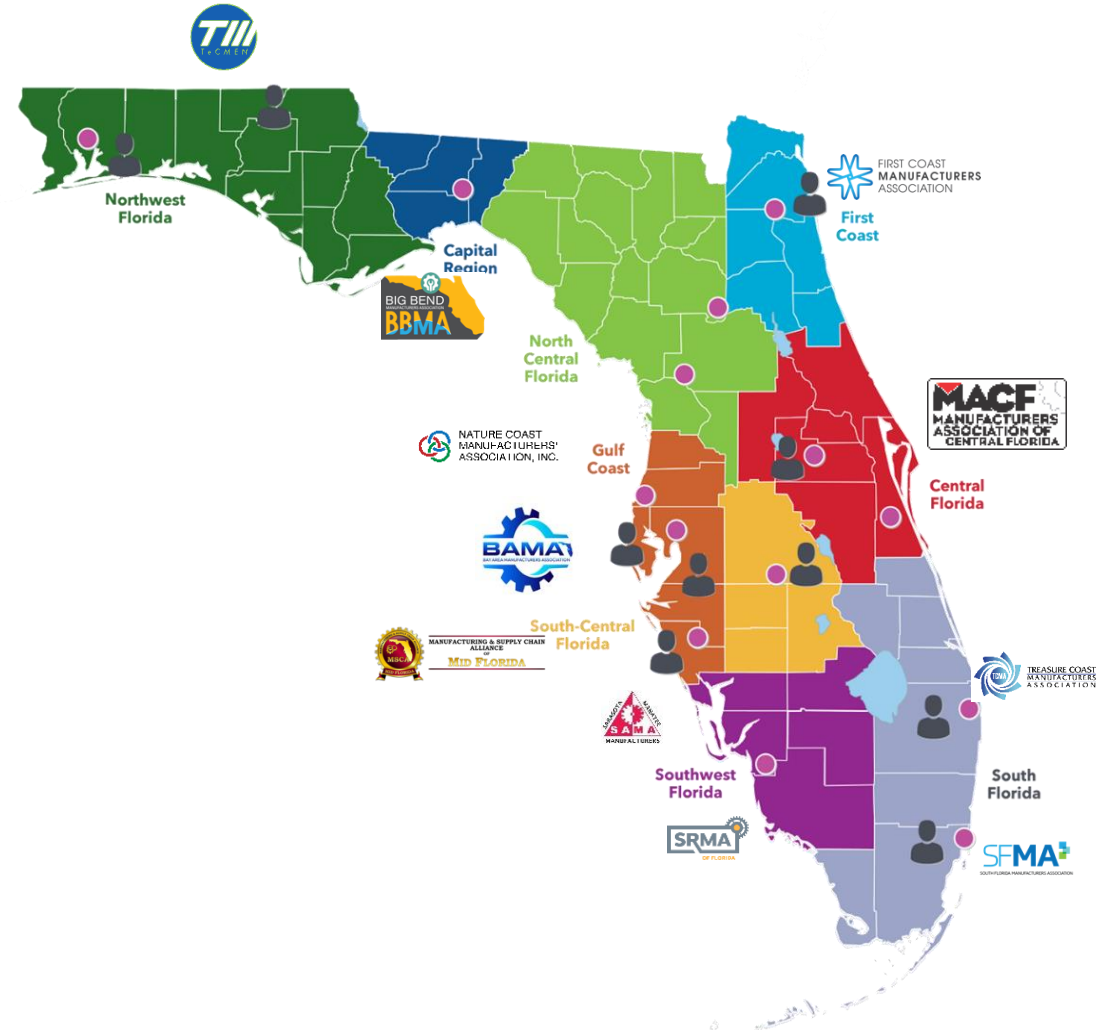
[www.FloridaMakes.com](http://www.FloridaMakes.com)



ADVANCED MANUFACTURING

**AMWLC**

WORKFORCE LEADERSHIP COUNCIL



# DEFENSE & HOMELAND SECURITY

INDUSTRY SECTOR BRIEF

SELECTFLORIDA



## FLORIDA'S STRENGTHS IN **DEFENSE & HOMELAND SECURITY.**

Florida is home to one of the nation's largest defense and homeland security industries, and few states can even come close to matching the scale and scope of its network of major contractors and suppliers. From ammunition to encryption technologies, Florida companies are at the leading edge of all major military and government markets. Florida has the expertise and support your company needs.

### **TOP FIVE REASONS TO DO BUSINESS IN FLORIDA**

## **VIRTUALLY EVERY MAJOR DEFENSE CONTRACTOR FROM THE U.S. AND ABROAD HAS SIGNIFICANT OPERATIONS IN FLORIDA HERE'S WHY YOUR COMPANY SHOULD BE IN FLORIDA, TOO:**

- 1 PICK THE BEST OF THE BEST**  
67,000+ active duty military,<sup>1</sup> 32,000 current Department of Defense professionals,<sup>1</sup> and large numbers of former military and NASA personnel comprise our impressive pool of workers with **the skills and security clearances your business needs.**
- 2 COMPETE WITH THE BEST**  
Florida consistently ranks among the **top 5 states in the nation for the receipt of DOD contract awards.**<sup>2</sup> From the missions that drive our impressive network of military installations to the factors that support the growth of our companies of all sizes, **we know defense and homeland security, and can help you remain competitive.**
- 3 BENEFITS FROM OUR MILITARY ASSETS**  
Florida is a proud host to **20+ major military installations,**<sup>3</sup> **three unified combatant commands**<sup>4</sup> and **two component commands.** Close proximity to key procurement offices, research operations, testing units, and training commands for all branches of the military is a major benefit for your business.
- 4 IMPROVE YOUR BOTTOM LINE**  
A cost-competitive environment, favorable tax structure, no personal income tax, and superior quality of life make it **easy to be in business in Florida.**
- 5 AIRSPACE & INFRASTRUCTURE TO MEET YOUR NEEDS**  
Florida offers thousands of square miles of **controlled land and over water air space,** **300+ days of VFR flight conditions** a year, and multiple aerospace and defense parks with **"through the fence" access. Your business can run smoothly and efficiently in Florida.**

# FLORIDA FAST FACTS

SIZE: 1,000+ DEFENSE MANUFACTURING ESTABLISHMENTS\*<sup>6</sup> | 30,000+ AIRCRAFT, MISSILES, AND ORDINANCE MANUFACTURING EMPLOYEES\*\*<sup>6</sup>

## DEFENSE

### Areas of Excellence:

- Missiles & Missile Defense Systems
- C4ISR
- Electro-optics & Lasers
- Simulation & Training
- Logistics/Warfighter Support
- Defense Electronics
- Aircraft & Aircraft Components
- Military Flight Training
- Weapons RDT&E

### Select Companies in Florida:

- |                   |                       |
|-------------------|-----------------------|
| Boeing            | Leonardo DRS          |
| BAE Systems       | Lockheed Martin       |
| Collins Aerospace | Northrop Grumman      |
| Exelis            | Pratt & Whitney       |
| General Dynamics  | Raytheon Technologies |
| Honeywell         | SAIC                  |
| L3Harris          | Sikorsky              |

## HOMELAND SECURITY

### Areas of Excellence:

- Cyber Security & Systems Integration
- Disaster Preparedness
- Response & Recovery
- Airport, Port & Maritime Security
- Biometrics
- Rugged Communications Equipment

### Select Companies in Florida:

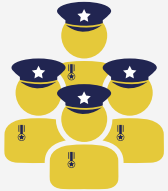
- General Dynamics
- HID Global
- L3Harris
- Motorola Solutions
- Sypris Electronics
- Thales
- Tyco Integrated Security



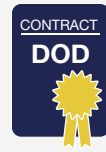
**#2** AMONG U.S. STATES FOR SEARCH, DETECTION, NAVIGATION, AERONAUTICAL, & NAUTICAL SYSTEM & INSTRUMENT MANUFACTURING<sup>5</sup>



**#2** AMONG U.S. STATES FOR AEROSPACE PRODUCTS & PARTS MANUFACTURING<sup>5</sup>



**3<sup>RD</sup>** LARGEST VETERAN POPULATION IN U.S.<sup>6</sup>



**5<sup>TH</sup>** AMONG U.S. STATES WITH \$21.7 BILLION IN DOD CONTRACT AWARDS IN 2021<sup>2</sup>

## COMPARATIVE COSTS FOR DEFENSE AND HOMELAND SECURITY COMPANIES IN FLORIDA VS. OTHER MARKETS

STATE TAXES	FLORIDA	ALABAMA	ARIZONA	CALIFORNIA	COLORADO	GEORGIA	MASSACHUSETTS	TEXAS	VIRGINIA
2024 BUSINESS TAX CLIMATE RANK <sup>7</sup>	<b>4</b>	39	19	48	27	32	34	13	26
TOP INDIVIDUAL INCOME TAX RATE <sup>7</sup>	<b>0.00%</b>	5.00%	2.50%	13.30%	4.40%	5.75%	9.00%	0.00%	5.75%
TOP CORPORATE INCOME TAX RATE <sup>7</sup>	<b>5.50%</b>	6.50%	4.90%	8.84%	4.40%	5.75%	8.00%	GRT***	6.00%
STATE SALES TAX <sup>7</sup>	<b>6.00%</b>	4.00%	5.60%	7.25%	2.90%	4.00%	6.25%	6.25%	5.30%
AVERAGE STATE + LOCAL SALES TAX <sup>7</sup>	<b>7.02%</b>	9.25%	8.37%	8.82%	7.78%	7.40%	6.25%	8.20%	5.75%
PRIVATE SECTOR UNION MEMBERSHIP <sup>8</sup>	<b>2.20%</b>	4.50%	3.70%	9.30%	4.30%	2.90%	6.60%	2.20%	2.20%
AEROSPACE PRODUCTS AND PARTS MANUFACTURING AVG. ANNUAL WAGE <sup>5</sup>	<b>\$110,924</b>	\$100,873	\$116,452	\$124,854	\$151,615	\$102,984	\$138,047	\$119,734	\$107,376
SEARCH, DETECTION & NAV. INSTRUMENT MANUFACTURING AVG. ANNUAL WAGE <sup>5</sup>	<b>\$109,248</b>	\$68,294	\$107,119	\$144,064	\$143,186	\$110,983	\$130,571	\$145,454	\$161,008

Source: \*Establishments operating in NAICS codes commonly associated with major defense and homeland security segments. \*\*Jobs related to the Aircraft, Missiles, and Ordinance Manufacturing Industry, which includes the following NAICS codes: 332993, 332994, 336411, 336412, 336413, 336414, 336415, 336419, and 336992. \*\*\*A gross receipts tax is a tax applied to a company's gross sales, without deductions for a firm's business expenses, like costs of goods sold and compensation. Unlike a sales tax, a gross receipts tax is assessed on businesses and applies to business-to-business transactions in addition to final consumer purchases, leading to tax pyramiding (Tax Foundation). 2 U.S. Department of Defense; 5 U.S. Bureau of Labor Statistics; 6 Lightcast; 7 Tax Foundation; 8 UnionStats.com

# FLORIDA'S DEFENSE & HOMELAND SECURITY CLUSTER

**640+**

Aerospace Establishments  
in Florida<sup>6</sup>

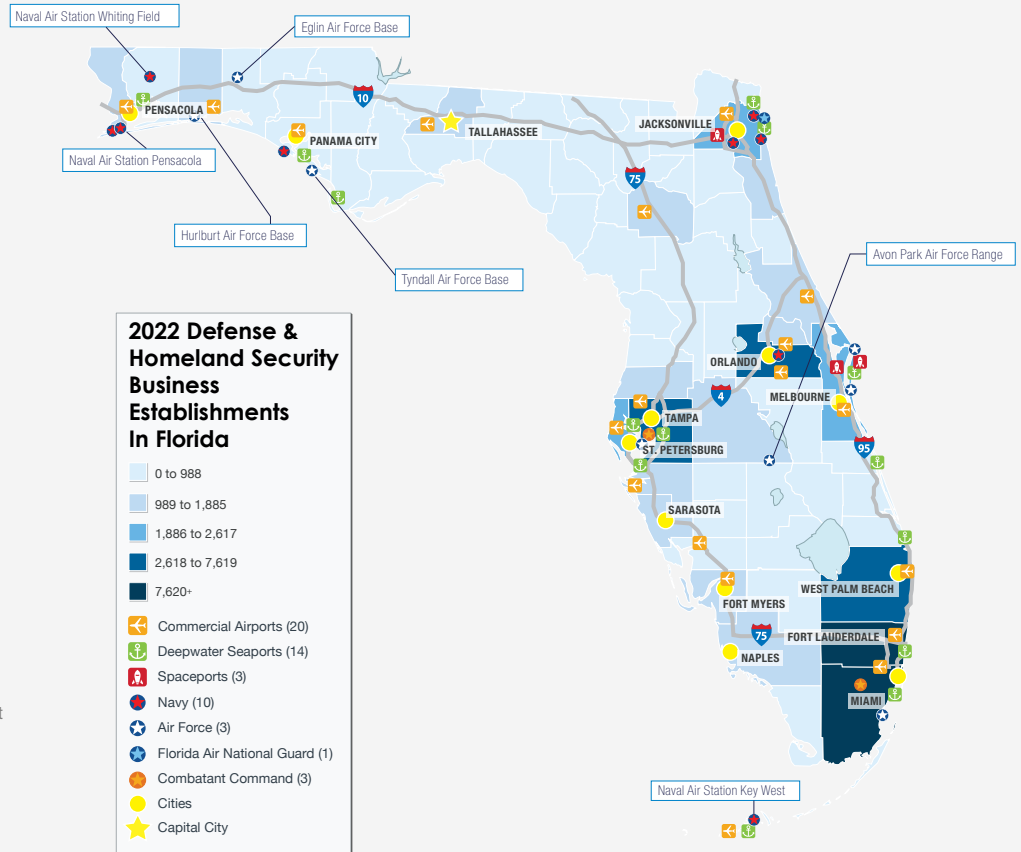
**2,000+**

Aviation Establishments  
in Florida<sup>6</sup>

**20+**

Major Military Installations<sup>3</sup>

Source: 3 Florida Department of Transportation; 6 Lightcast  
Map Source: Lightcast



## SERVICES

- Confidential Site Selection & Property Search Assistance
- Industry Sector Expertise
  - Target Sectors: Manufacturing, Aviation/Aerospace, Defense & Homeland Security, Cleantech, Financial & Professional Services, Headquarters, Information Technology, Life Sciences, Logistics & Distribution
- Demographic & Workforce Information
- State Agency Liaison
- Permitting & Regulatory Assistance
- Incentive Programs
- Export Counseling
- Overseas Trade Shows and Trade Missions
- Certificates of Free Sale

## WE ARE READY TO ASSIST YOU

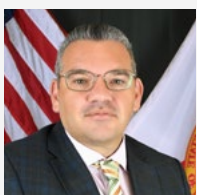
For expansion and location assistance:



**Harry Jorgensen**  
Economic Development Manager  
Aviation & Aerospace Industry  
Tel: +1 (407) 956-5640  
Email: [Harry.Jorgensen@commerce.fl.gov](mailto:Harry.Jorgensen@commerce.fl.gov)

**FloridaCommerce**  
The Caldwell Building  
107 E. Madison Street  
Tallahassee, Florida 32399  
Tel: +1 (850) 245-7106

For exporting assistance:



**Mario Aleksic**  
Director  
International Trade & Development  
Tel: +1 (407) 286-8055  
Email: [Mario.Aleksic@SelectFlorida.org](mailto:Mario.Aleksic@SelectFlorida.org)

**SelectFlorida**  
201 Alhambra Circle, Suite 610  
Coral Gables, Florida 33134  
Tel: +1 (305) 808-3660



# AVIATION & AEROSPACE

INDUSTRY SECTOR BRIEF

SELECTFLORIDA



Powered by **FLORIDACOMMERCE**

[www.SelectFlorida.org](http://www.SelectFlorida.org)

SOME STATES WILL PROMISE YOUR BUSINESS THE MOON.  
**WE CAN ACTUALLY DELIVER IT.**

Florida has long been the world’s premier gateway to space, undisputed air traffic hub for the western hemisphere, a major center for flight training and MRO, and home to aircraft and aviation/aerospace components manufacturing. The broad range of industry expertise available in Florida is unmatched.

**BUSINESS CLIMATE**

Consistently ranked one of the best states for business — Florida is committed to keeping regulatory requirements and business taxes low. Which, along with a strong economy and zero personal state income tax, makes Florida a great place to do business. We won’t stand in the way of your success.

**We will pave the way for it.**

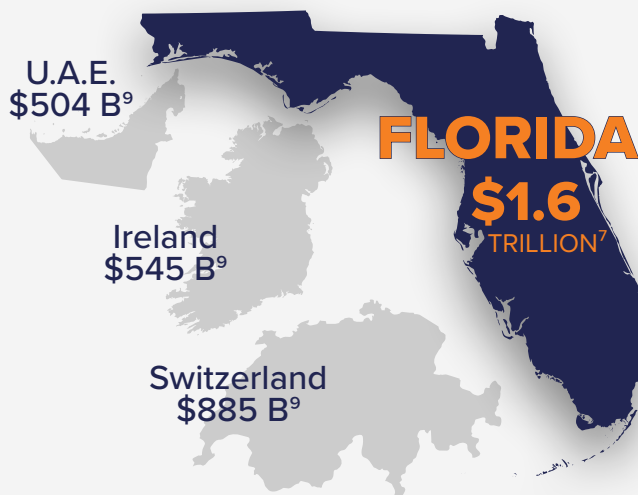
**TOP FIVE REASONS TO DO BUSINESS IN FLORIDA**

- 1 Highly Skilled Workforce** — Florida is ranked the #1 state in the U.S. for attracting and developing a skilled workforce,<sup>1</sup> and first in net tech employment in the Southeast,<sup>2</sup> making Florida a great state for employees and businesses alike.
- 2 Leader in Aviation & Aerospace Industry** — Florida ranks #1 in MRO establishments<sup>3</sup> and #3 in aircraft manufacturing establishments in the U.S.<sup>4</sup> The best of the best companies are in Florida and your business should be too.
- 3 Business-Friendly State** — A cost-competitive environment, favorable tax structure, no personal income tax and superior quality of life make it easy to be in business in Florida.
- 4 Gateway to Space** — Florida has long been the world’s gateway to space and continues to be the epicenter of innovation, opportunity and economic expansion in the aerospace industry. Access to three spaceports solidifies the state’s key advantage over the competition.<sup>5</sup>
- 5 Florida to the World** — Florida is one of the US’s top exporters of aerospace products and parts. The Sunshine State generated over \$9.8 billion in Florida origin exports in 2023.<sup>6</sup>

**MARKET & ACCESS**

Success today requires global access. Florida offers one of the most extensive transportation systems in the world, so you can reach your customers and suppliers anywhere, fast. Whether you are serving Florida’s large market, the U.S., Latin America or the globe — **no other state can expand your reach like Florida.**

**16TH LARGEST GLOBAL ECONOMY, IF FLORIDA WERE A COUNTRY<sup>9,7</sup>**



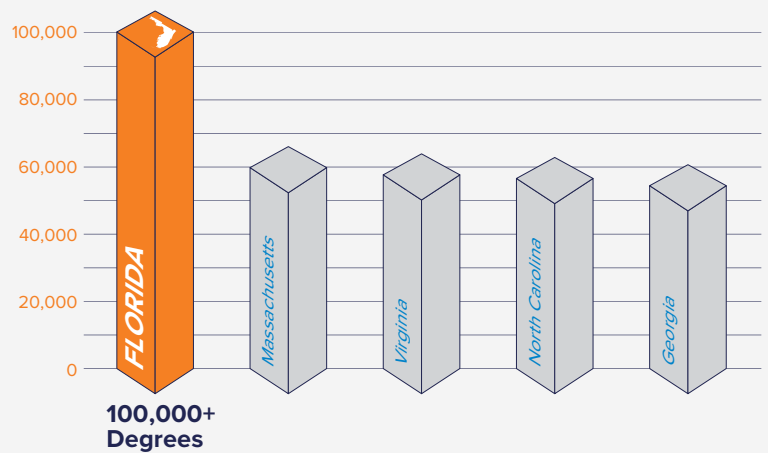
Sources: 1 Lightcast; 2 CompTIA; 3 IBISWorld; 4 Bureau of Labor Statistics, 2023 QCEW; 5 FDOT; 6 U.S. Census; 7 Bureau of Economic Analysis; 8 Chief Executive; 9 World Bank

## WORKFORCE EXPERTISE

Nothing is more important to a company's success than its workforce. More than 141,000<sup>1</sup> Floridians work in Florida's Aviation and Aerospace industries with large numbers of rocket scientists, machinists, pilots, engineers, and other flexible, highly-skilled workers. Florida is also home to more than 66,000 active duty personnel<sup>10</sup> and nearly 1.5 million veterans.<sup>11</sup> Florida's universities are among the nation's top producers of STEM graduates, including many specializing in Aviation and Aerospace. **While we are helping you succeed with today's talent, we are also preparing talent for tomorrow.**

Total Bachelor's Degrees Awarded Annually<sup>1</sup>

### BACHELOR'S DEGREES AWARDED IN 2023



## DEGREES AWARDED IN FLORIDA

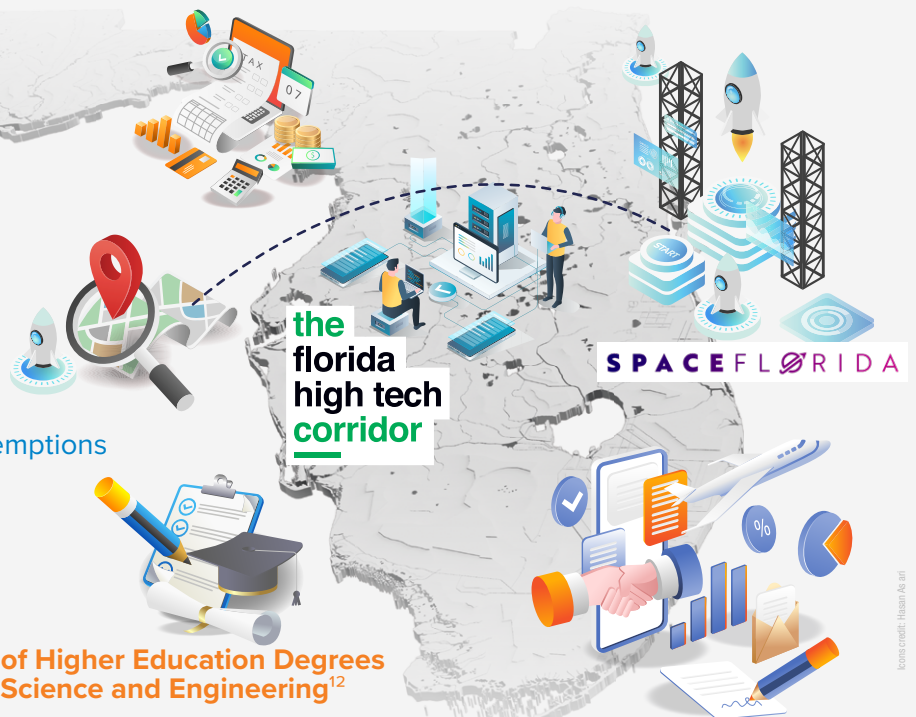
PROGRAMS	BACHELOR'S DEGREE	MASTER'S DEGREE	DOCTOR'S DEGREE
Aerospace, Aeronautical, and Astronautical/Space Engineering, General	782	247	19
Electrical and Electronics Engineering	815	408	127
Mechanical Engineering	1,611	324	70
Industrial Engineering	274	99	23
Total	3,482	1,078	239

Source: Lightcast. Data as of the 2022-2023 academic year.

## BUSINESS ADVANTAGES FOR THE AVIATION AND AEROSPACE INDUSTRY IN FLORIDA

- Expanding Spaceport Territories
- Research and Development Tax Exemptions
- Aviation Tax Exemptions
- World Class Talent Development
- 2,200+ Space Research and Technology Jobs<sup>13</sup>

**34.5% of Higher Education Degrees are Science and Engineering<sup>12</sup>**



# FLORIDA'S AVIATION & AEROSPACE HEAT MAP

**700+**  
Aerospace Establishments<sup>1</sup>

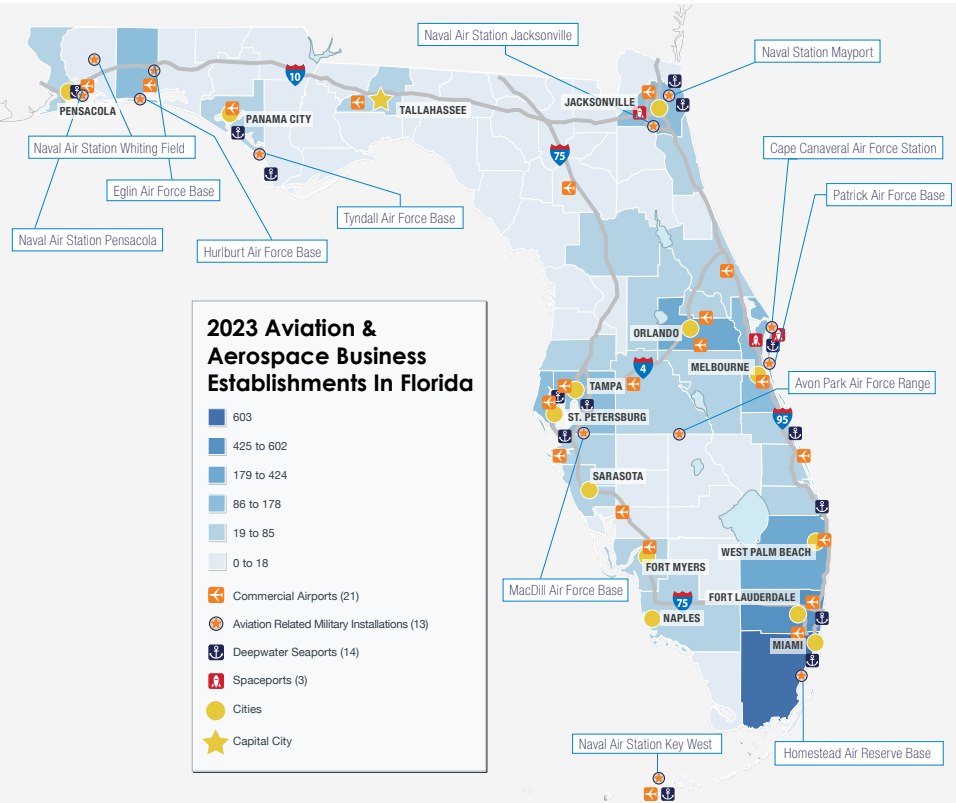
**2,000+**  
Aviation Establishments<sup>1</sup>

**21**  
Commercial Service Airports<sup>5</sup>

**3**  
Spaceport Facilities<sup>5</sup>

**125+**  
Public Use Airports<sup>5</sup>

Sources: 1 Lightcast 2024.3; QCEW, 5 FDOT  
Map Source: Lightcast 2024.3; QCEW



## SERVICES

- Confidential Site Selection and Property Search Assistance
- Industry Sector Expertise
  - Target Sectors: Manufacturing, Aviation/Aerospace, Defense and Homeland Security, Cleantech, Financial & Professional Services, Headquarters, Information Technology, Life Sciences, Logistics & Distribution
- Demographic & Workforce Information
- State Agency Liaison
- Permitting and Regulatory Assistance
- Incentive Programs
- Export Counseling
- Overseas Trade Shows and Trade Missions
- Certificates of Free Sale

## WE ARE READY TO ASSIST YOU

For expansion and location assistance:



**Harry Jorgensen**  
Economic Development Manager  
Aviation & Aerospace Industry  
Tel: +1 (407) 956-5640  
Email: [Harry.Jorgensen@Commerce.fl.gov](mailto:Harry.Jorgensen@Commerce.fl.gov)

For exporting assistance:



**Mario Aleksic**  
Director  
International Trade & Development  
Tel: +1 (407) 286-8055  
Email: [Mario.Aleksic@SelectFlorida.org](mailto:Mario.Aleksic@SelectFlorida.org)

**FloridaCommerce**  
The Caldwell Building  
107 E. Madison Street  
Tallahassee, Florida 32399  
Tel: +1 (850) 245-7106

**FloridaCommerce**  
(Business Development Division)  
800 N. Magnolia Avenue, Suite 1100  
Orlando, Florida 32803  
Tel: +1 (407) 956-5600

**SelectFlorida**  
(International Trade Division)  
201 Alhambra Circle, Suite 610  
Coral Gables, Florida 33134  
Tel: +1 (305) 808-3660



# FLORIDA DEFENSE SUPPORT COMMISSION