



# Investing in Manufacturing Community Partnership

## Florida Turbine Initiative: *Turbocharging Florida Manufacturing*

Treasure Coast Regional Planning Council

April 17, 2015



# Energy Florida

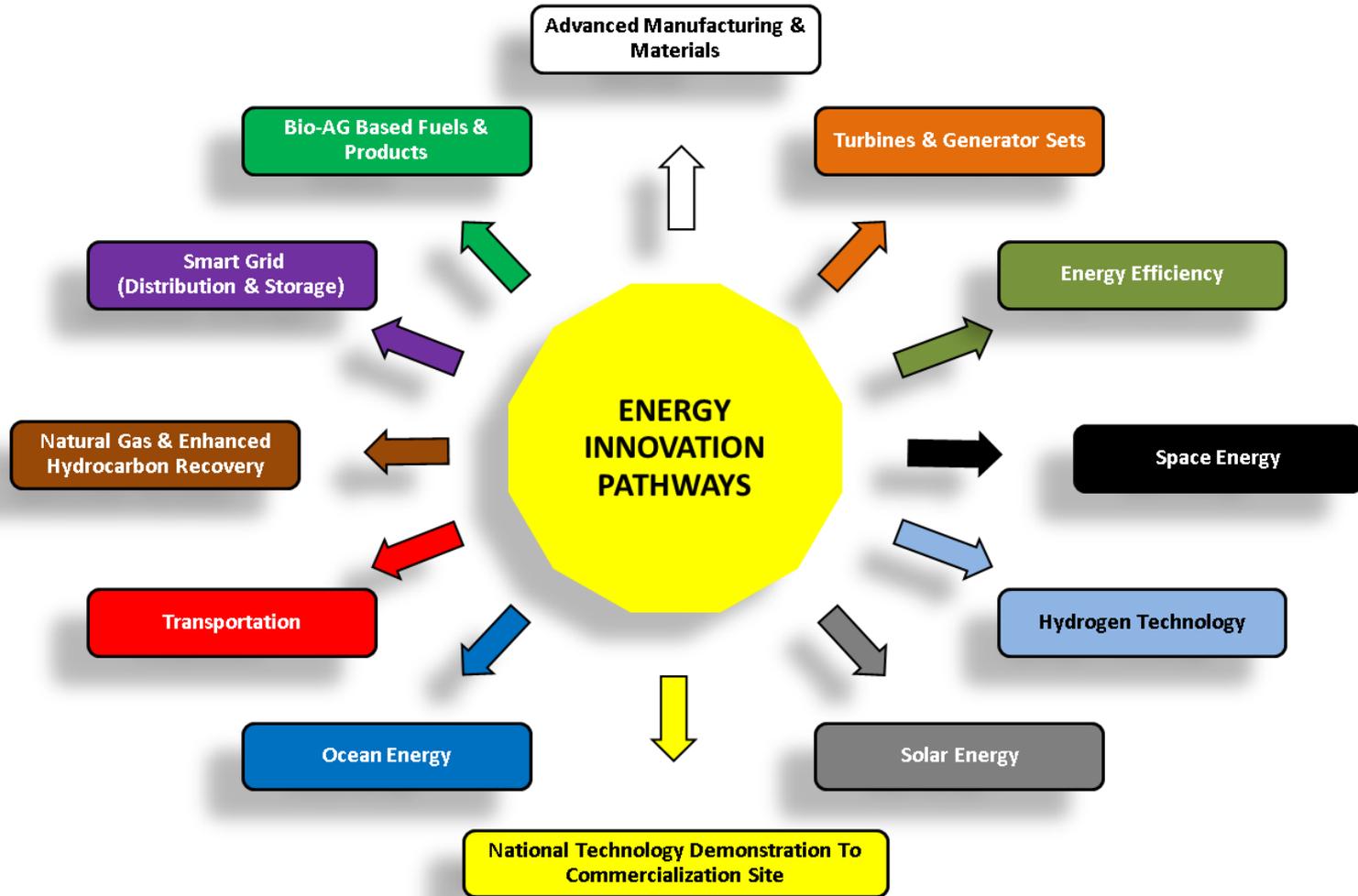


**Energy Florida** is the industry-led nonprofit association of businesses and community leaders developing partnerships and marshalling resources to grow Florida's energy sector and related industries

***We are Building Florida's Energy Economy***



# Technology Focus Areas



# Investing in Manufacturing Community Partnership (IMCP)

What is the IMCP?

- A national competition to designate “manufacturing communities” issued by the Department of Commerce’s Economic Development Administration (EDA).
- The designation offers up to 12 selected communities preferential consideration for up to \$1.3 billion in federal dollars and assistance from 10 federal agencies.
- Participating Agencies include:
  - Department of Agriculture
  - Department of Commerce, EDA
  - Department of Commerce, NIST/MEP
  - Department of Defense
  - Department of Education
  - Department of Energy
  - Department of Housing & Urban Development
  - Department of Labor, Employment and Training Administration
  - Department of Transportation
  - Appalachian Regional Commission
  - Delta Regional Authority
  - Environmental Protection Agency
  - National Science Foundation
  - Small Business Administration



# Investing in Manufacturing Community Partnership (IMCP)

Communities must present strategies that identify technologies or industries in which they would be competitive in the future as well as having an existing manufacturing community and in which would make investments in the following areas:

- workforce and training
- advanced research
- infrastructure and site development
- supply chain support
- trade and international investment
- operational improvement and capital access.

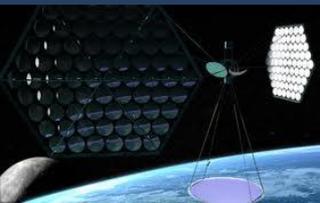
The selected manufacturing communities will receive:

- Preferential consideration in federal competitions and assistance across 10 agencies, totaling \$1.3 billion.
- A dedicated federal liaison at each of these agencies that will help the designated manufacturing communities navigate available federal resources
- Recognition on a government website, accessible to prospective private foreign and domestic investors, looking for information on communities' competitive attributes.
- Subject to funding availability, challenge grants may become available to some awardees from the pool of designated manufacturing communities from EDA and other agencies.



# The Florida Turbine Initiative

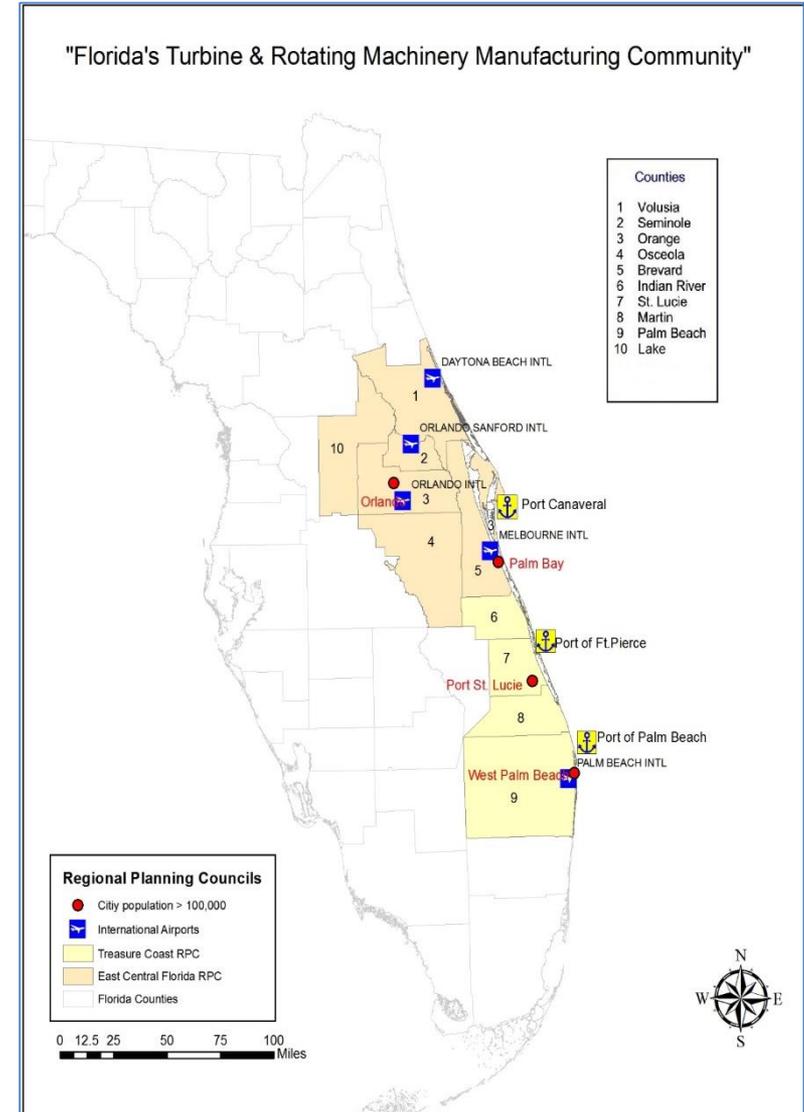
- Solidify Florida's status as world-class developer, manufacturer and exporter of turbines and related parts
- Convergence of aviation and power generation technologies
- Major Strengths of the FTI Cluster
  - High Level of Innovation
  - Global Headquarters
  - Supply Chain Diversity/Depth



# Florida's Turbine Blade

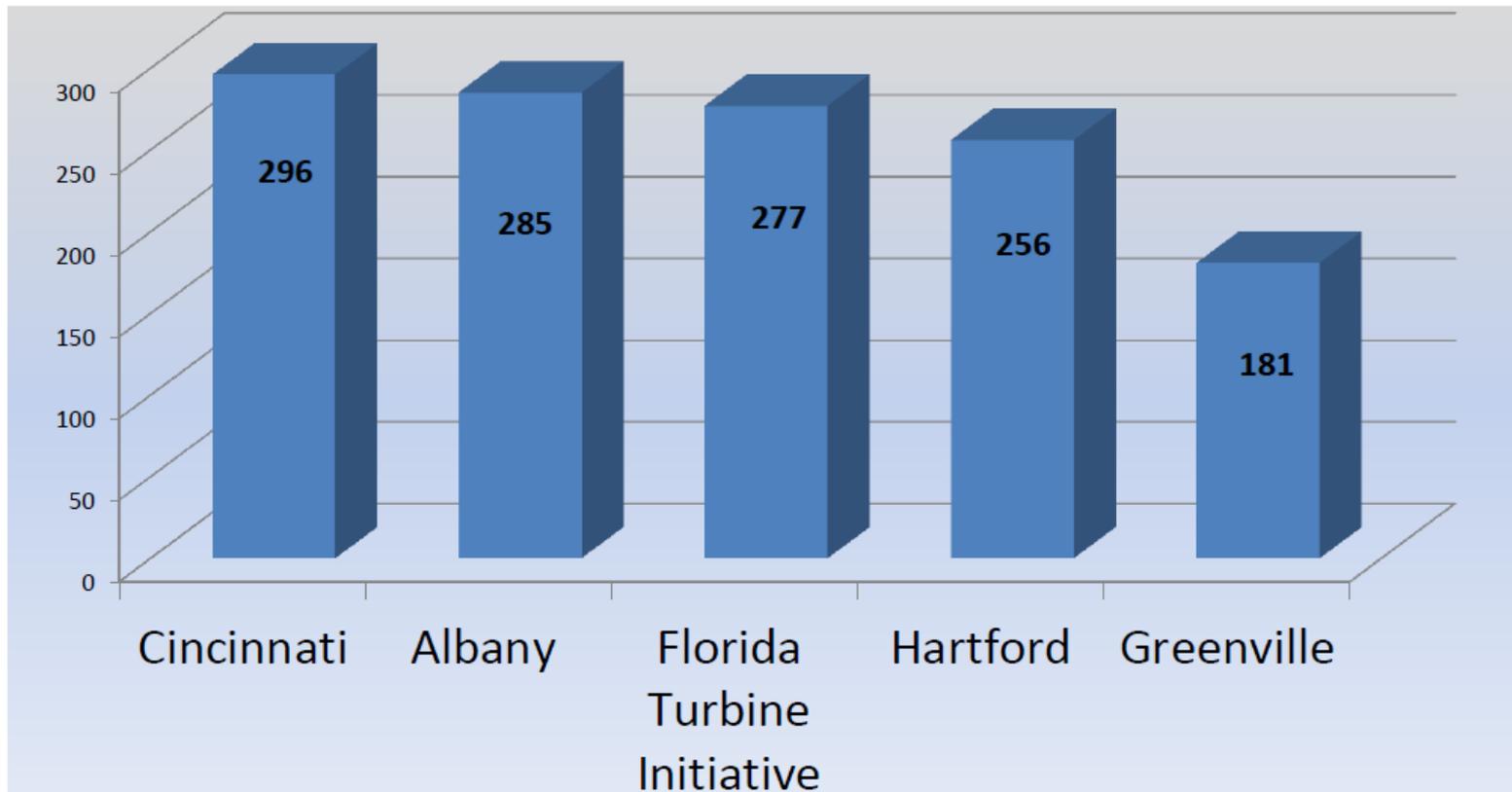
The region proposed for designation includes:

- 10 counties, 5.2 million people
- 5 international airports and 3 deep water cargo ports, strategic transport network
- Research and technical universities: Embry Riddle, FAU, Florida Tech, UCF
- World's premiere launch site: NASA's Kennedy Space Center and the Cape Canaveral Air Force



# High Level of Innovation

Turbine Patents by U.S. Region 2000-2013



# Global Headquarters



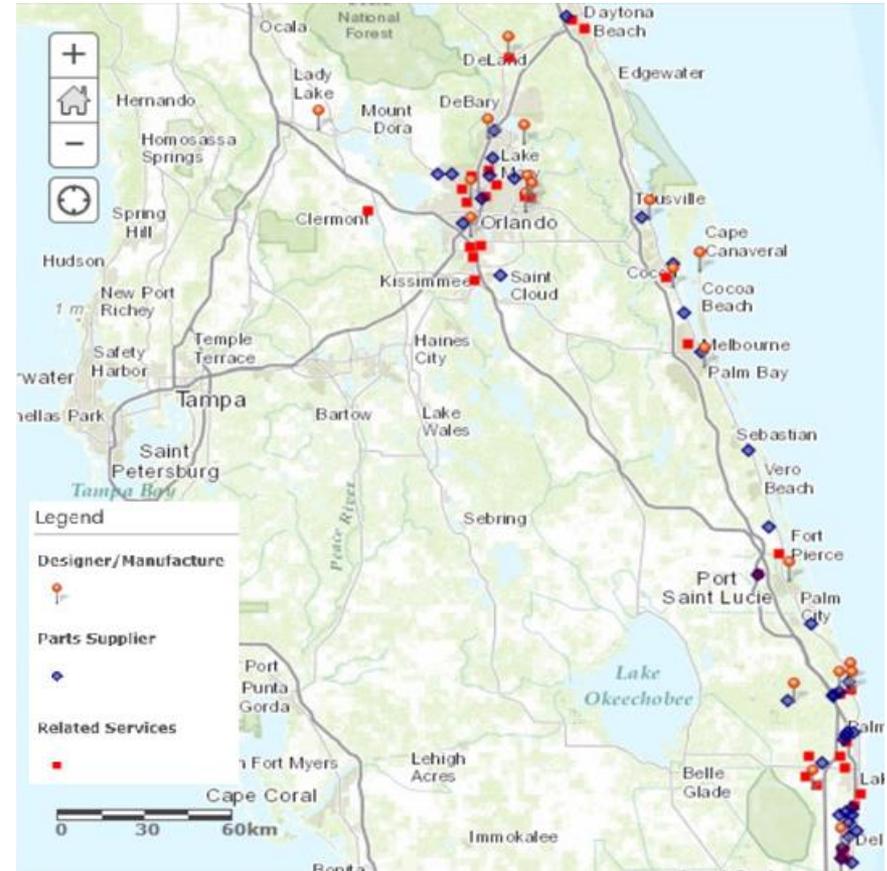
Florida Turbine Technologies, Inc.  
Providing Innovations That Work™



# Diverse Supply Chain

The region is host to a deep and diverse supply chain for the turbine industry:

- Major industry players: Alstom, Mitsubishi-Hitachi Power Systems, Pratt & Whitney, and Siemens Power Generation
- Sector-leading engineering and supplier firms: Advanced Precision, Chromalloy, Florida Turbine Technologies, Paradigm Precision
- Major aerospace and engine manufacturers: Aerojet Rocketdyne, Embraer, Lockheed Martin, Northrup Grumman, Piper Aircraft



# FTI Goals and Outcomes

- Strategic Action Plan For Investments to Support Florida's Turbine Manufacturing Industry
  - Turbine and Propulsion Manufacturing Advisory Group
    - Inform and engage manufacturing industry leaders together with major stakeholders responsible for developing the next generation of regional infrastructure (ports, logistics, and airport improvements)
  - Identify opportunities to work together to strengthen Florida's turbine industry
    - Ensure a seamless integration of capabilities supporting greater export and logistical opportunities
- Goals:
  - Develop framework that individual communities can use to tailor investments, strategic planning, and future grant requests to support a key industrial sector within the state – power generation equipment manufacturing
  - Increase the capacity and amount of cargo going through local ports and airports
  - Improve coordination and awareness of workforce training and educational programs that can support the industry's continued growth and job creation

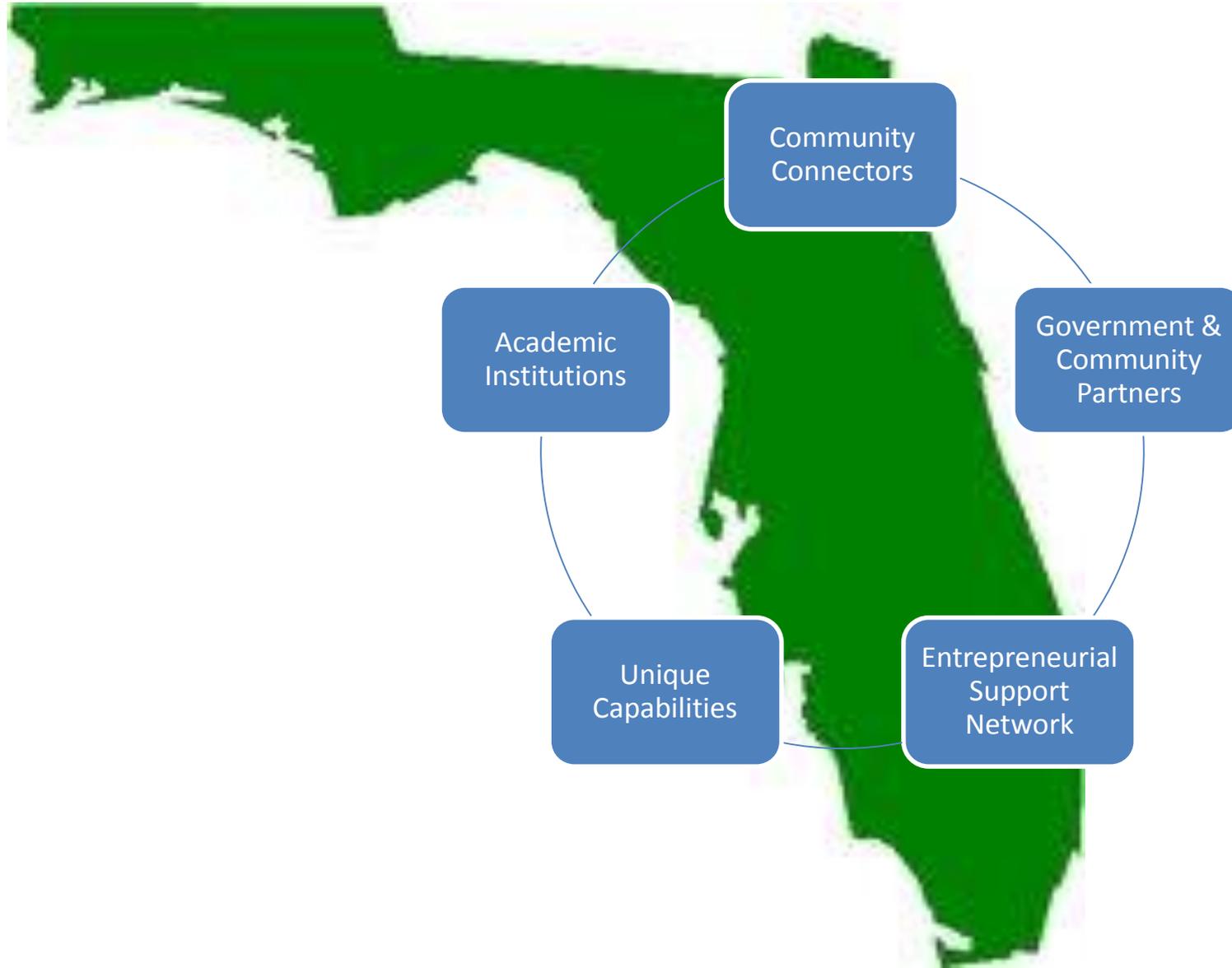


# Industry Working Groups

## Strategic Engagement for Florida's Future



# Florida's Innovation Ecosystem



# Thank You!

- For more information:

**Michael Aller**, Executive Director

166 Center Street, Suite 200, Cape Canaveral, FL

Email: [michael.aller@energyflorida.org](mailto:michael.aller@energyflorida.org)

Phone: 321-613-2973 (office) 321-205-4533 (direct)

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



**Peter Merritt**, PhD, Deputy Director

Treasure Coast Regional Planning Council

421 SW Camden Avenue, Stuart, Florida

Email: [pmerritt@tcrpc.org](mailto:pmerritt@tcrpc.org)

Phone: 772-221-4060

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



**Luis Nieves-Ruiz**, AICP, Economic Development Coordinator

East Central Florida Regional Planning Council

309 Cranes Roost Blvd, Suite 2000, Altamonte Springs, Florida

Email: [luis@ecfrpc.org](mailto:luis@ecfrpc.org)

Phone: 407-262-7706 x 308

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

