

## **Project Information Session**

- (1) Urban Planning & Land Use Services
- (2) Architectural & Engineering Services

## Agenda

- 1. Welcome and Introductions
- 2. Overview
- 3. Urban Planning and Land Use Services
- 4. Architectural and Engineering Services
- 5. Questions & Answers
- 6. Deadlines & Timeline
- 7. Adjourn



# Smart Manufacturing Innovation Institute Development Partners

- 1. Tampa Bay Economic Development Council
- 2. University of South Florida
  - a. College of Engineering
  - b. Institute of Applied Engineering
- 3. Advanced Manufacturing International, Inc.
- 4. Black Business Investment Fund



## TAMPA BAY EDC

#### **MISSION**

Develop and sustain a thriving local economy by focusing on the attraction, expansion and retention of high-wage jobs and capital investment.

#### **VISION**

We are recognized nationally as a community transformed by job growth, business innovation and international trade.

#### **VALUES**

VISION | We think big

COLLABORATION | We engage in teamwork

RESULTS | We hold ourselves accountable

PRIDE | We believe in our community

INTEGRITY | We do the right thing



# OPPORTUNITY TAMPA BAY

**GOAL 1** 

Business Development GOAL 2

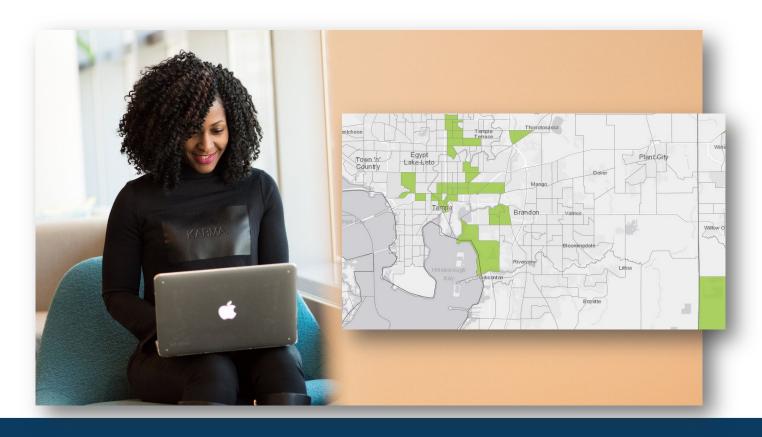
Talent Attraction

GOAL 3

Placemaking

# TBEDC's Community Development Focus

Facilitate inclusive economic growth by creating jobs and capital investments in targeted Opportunity Zones.





## PLACEMAKING

East Tampa: Columbus Drive

## WHY EAST TAMPA?

### The City's largest CRA and Opportunity Zone

- Total Population: 35,312
- Total Households: 12,379
- Average Owner-Occupied Units: 40%

#### **High Minority Concentration**

 Race/Ethnicity: 65% Black, 22% Hispanic, 11% White, 2% Other

#### **High Unemployment and Poverty Levels**

- Unemployment rate: 12.3% (3.6x > National Average)
- Households below Poverty Line: 36% (2.9x > County Average)
- Education Attainment: 12% (2.4x < County Average)</p>



#### **Potential Project Opportunities:**

- 1. Minority Business Development
- 2. East Columbus Drive Redevelopment
- 3. Single-Family Residential Development





# Development Partners

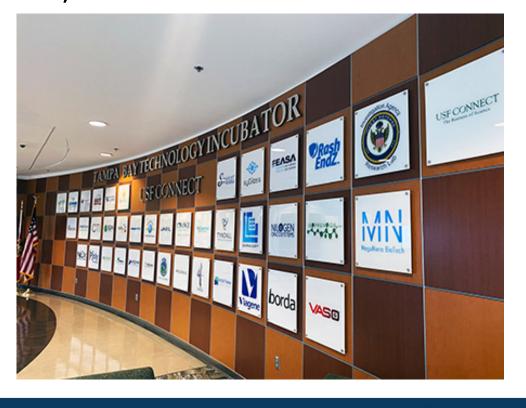
Smart Manufacturing Innovation (SMI) Institute

## USF's College of Engineering



- More than 190 faculty and researchers in all
- Published works of faculty have been cited >100,000 times
- 11 Research Centers and 7 Departments
  - Mechanical Engineering
  - Industrial Management Systems Engineering
  - Computer Science & Engineering
- Relevant Areas of Expertise:
  - Nano- to Macro-Scale Material Processing
  - Cyber-Physical Systems
  - Cybersecurity
  - Multi-Objective Optimization
  - Sustainable Manufacturing
  - Robotics
  - Supply Chain & Logistics









The IAE was formed in 2018 as a Not-For-Profit Direct Support Organization to the University of South Florida.

- √ \$85M U.S. Special Operations Command Task Order Contract to support internships and rapid applied technology development in:
  - ✓ Human Performance Enhancement
  - ✓ Autonomous Systems
  - ✓ Cyber & Electromagnetic Domain Security
  - ✓ Transportation & Energy Infrastructure
  - ✓ Data Analytics & Operations Research
- ✓ **520+ interns** supported since 2016
- √ 4,069 ft² HQ facility at University Mall (controlled unclassified); 1,095 ft² facility on campus (classified)

The IAE Academic Consortium Enables
Universities to obtain research funding via U.S.
Special Operations Command.

- √ 21 task orders awarded to date
- ✓ 23 active universities and not-for-profit research organizations
- ✓ 25+ USF researchers participating and 160+ students/interns currently employed
- ✓ Structural/electronic rapid prototyping, e.g., radio frequency signal analysis, satellite ground control







# AMI's mission is to bring Industry 4.0 to small and medium manufacturers







Supporting scope and operating model definition for the Smart Manufacturing Institute



## Black Business Investment Fund

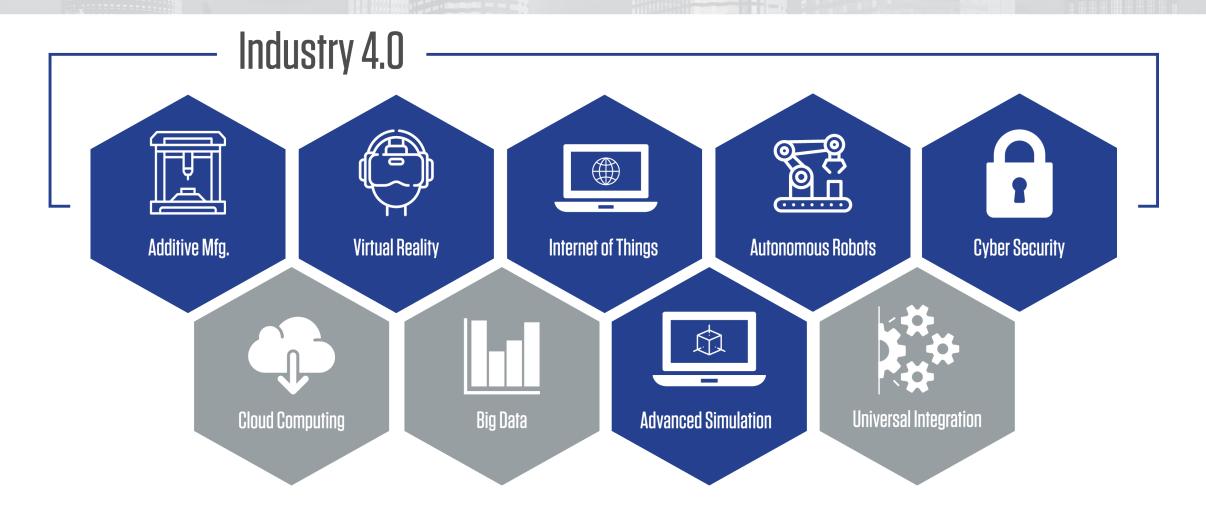




# The Facility

Smart Manufacturing Innovation (SMI) Institute

# Smart Manufacturing Innovation (SMI)





# The Connected Factory in Action



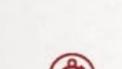
#### INNOVATION

#### TAP COMMERCIAL INNOVATION .-

Mobilize employees and supervisors to move across the factory floor and access data wherever they are. The iPad and other like devices are making their way into industrial settings - along with an expectation that muck of the commercial innovation it brings will also apply to industrial activities.

#### CONNECT ENGINEERS WITH MACHINES (M2M)

Apply predictive maintenance. Gain early warnings when production, machinery or network performance is about to degrade



#### **EFFICIENCY**

#### LINK INFORMATION & OPERATIONAL TECHNOLOGY

Bridge the gap from data center to control room to collaborate and share best practices and common goals between manufacturing and IT.

#### OPTIMIZE ASSETS ◆

Identify where your people, equipment, works in process and finished goods are in real-time. Adjust the schedule and inventory on the fly.





AGILITY

#### RISK

#### SECURE PHYSICAL & CYBER ASSETS

Traditional security devices, like keypad entry systems, call boxes and security cameras, need power from Industrial Ethemet cables, with secure networks, to protect your processes, people, and plans from cyber sabotage.

#### MAXIMIZE UPTIME

Design rangedized industrial networking infrastructure that will endure in harsh environments with redundant



Makerspace

# Syries Styles

## Overview

East Tampa Works – Regional Investment Hub



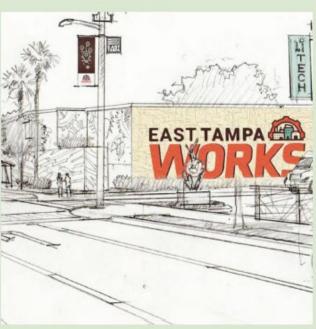
## <u>Urban Planning & Land Use:</u>

 Craft vision for an attractive and vibrant Industrial District

## **Architectural & Engineering:**

- Conceptual design and civil engineering for SMI Institute
- Construction documents and administration for SMI Institute





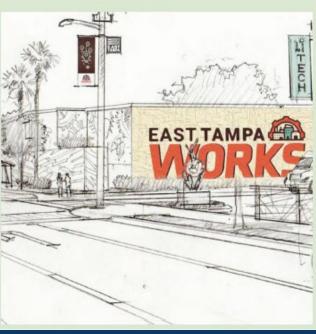






- 1. Application deadline: December 3, 2021 at 4:00pm EST
- 2. Cover Letter, Denote if:
  - a. Urban Planning & Land Use Applicant Only (p. 12 of RFP)
  - b. Architectural & Engineering Services Applicant Only (p. 16 of Addendum 2H)
  - c. Full scope to include both services (a & b above)











## Relevance of EDA Application:

- Build Back Better Regional Challenge Grant
- Two Phase Application Process
  - In Phase 1, technical assistance grants for up to \$500,000 to prepare more detailed Phase 2 applications
  - In Phase 2, implementation grants between \$25 million and \$75 million for component projects.
  - Phase 1 submitted on October 19, 2021
  - If Phase 1 awardee, Phase 2 application due March 15, 2022.









#### October 19, 2021

FY 2021 U.S. Economic Development Administration Build Back Better Regional Challenge Phase 1 Concept Proposal

#### SUBMITTED BY:

Tampa Bay Economic Development Council 101 E. Kennedy Blvd., Suite 1750 Tampa, Florida 33602

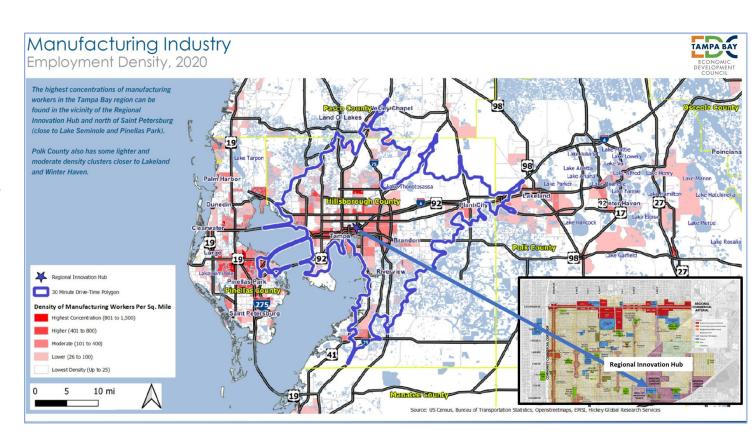


### Relevance of EDA Application:

Build Back Better Regional Challenge Grant

#### Successful Phase 1 Award:

- Funds Urban Planning & Land Use Services (Regional Innovation Hub)
- Funds Architectural & Engineering Services for SMI Institute Facility & Site
- Secures site control for SMI Institute





### Relevance of EDA Application:

Build Back Better Regional Challenge Grant

#### Successful Phase 2 Award:

- Funds Component Projects
  - Regional Innovation Hub Infrastructure
  - Community Equity Plan
  - **Business Development Plan**
  - Construction of SMI Institute Facility
  - Acquisition & Installation of Equipment
  - SMI Institute Operations (Start up)
  - vii. Capital Access Program



#### FY 2021 USEDA BUILD BACK BETTER REGIONAL CHALLENGE GRANT APPLICATION

#### East TampaWorks - Regional Innovation Hub

PROJECT DESCRIPTION: The Tampa Boy Economic Development Council (TBEDC) in concert with a strong coalition of educational, non-profit, and public sector partners are joining forces to establish the East Tampa Works - Regional Innovation Hub to feature the Smart Manufacturing Innovation (SMI) Institute as its anchor. The Regional Innovation Hub will build a smart manufacturing ecosystem for the greater Tampa Bay Region providing the physical space and programming necessary to catalyze new business incubation, workforce training and job placement, advanced educational apportunities and research, manufacturing prototyping, and demonstration project facilities. The aluster growth strategy is consistent with the region's Comprehensive Economic Development Strategy (CEDS) and directly aligns with EDA's Investment Priorities for Equity, Recovery & Resilience, Workforce Development, Manufacturing, Technology-Based Economic Development, Environmentally-Sustainable Development, and Exports or Foreign Direct Investments.

#### COMPONENT PROJECTS

- and broadband services to expand access and support Smart Equipment for the East Tampa community, as well as transportation and placemaking elements.
- 2. Community Equity. A customized workforce development program and minority business incubator for post high-school students, exiting military personnel, and residents in the Hub and other manufacturing clusters surrounding rural areas.
- 3. Business Development. PCED and TBEDC will design program campaigns, marketing, and operations budgets to aid coalition members to attract participants to the SMI Institute and foster the growth of manufacturers in the Regional Innovation Hub and



Smort Manufacturing Innevetion institute

BBIF Florida will bring equity and inclusion to the SMI Institute by managing the Makerspace. PCED, TBEDC and others, will grow the manufacturing cluster through marketing and promotional aids for regional growth and international sales.

- 4. SMI Institute Facility. Site acquisition, construction, and buildout of the SNI Institute and Makerspace.
- 1. Regional Innovation Hub Infrastructure. High-speed internet 5. SMI Institute Equipment. The acquisition and installation of equipment to create production level demonstrations of new digital products.
  - 6. SMI Institute Operations. Development of evidence based educational, training, and vocational programs that reflect the core competencies of the USF-IAE-ANI-BBIF collaboration in the SMI Institute. Detailed program budget and operations implementation will define this component, providing start-up capital for 24 to 38 months of operations of the Institute and Makerspace.
  - 7. TBEDC Capital Access Program. A loan fund to aid the expansion of small and medium-sized manufacturers and encourage ownership to mittigate neighborhood blight.

#### COALITION PARTNERS





COALITION MEMBERS

























## Overview: Questions & Answers

## 1. Will you consider extending the proposal (s) due date?

- No.
- Addendum 1 extended the due date from November 12, 2021 to December 3, 2021 when the additional scope for Architectural & Engineering Services were added.
- If Phase 1 Awardee, fewer than 90 days are available to complete project feasibility for Phase 2 application.
- Goal is to select firm by December 15, 2021, finalize contract terms and begin scope of services by January 17, 2021
- The EDA requires specific information to be completed for construction projects and the selected vendor will be required to complete these services.



## Overview: Questions & Answers

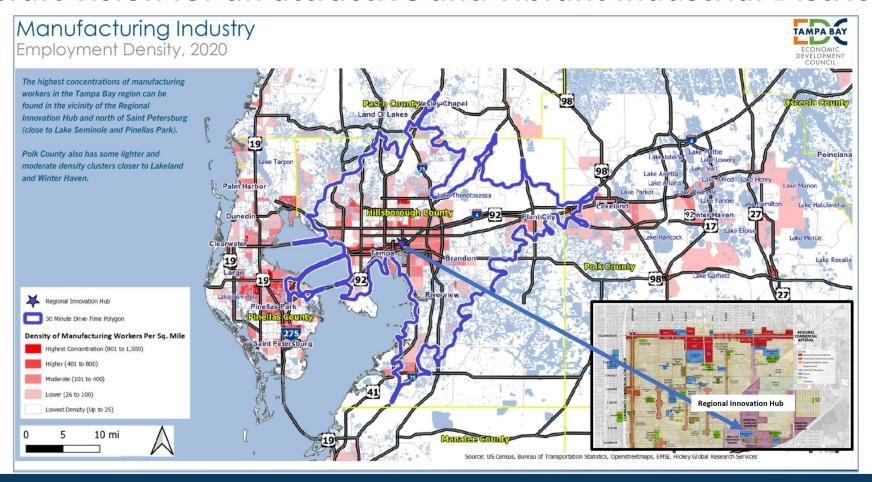
- 2. Is funding for the Urban Planner and Land Use Services contingent on the award of an EDA BBBRCG?
  - No.
  - TBEDC intends to fund the study regardless of an EDA program award.
- 3. Is funding for Architectural and Engineering Services contingent on the award of an EDA BBBRCG?
  - Yes.
- 4. Do you plan to select one firm for both services?
  - Not necessarily. We will evaluate each proposal for services independent of the other. We may negotiate pricing in considering the award of both services to one firm in our negotiations of contract terms.



East Tampa Works – Regional Investment Hub



#### Craft vision for an attractive and vibrant Industrial District





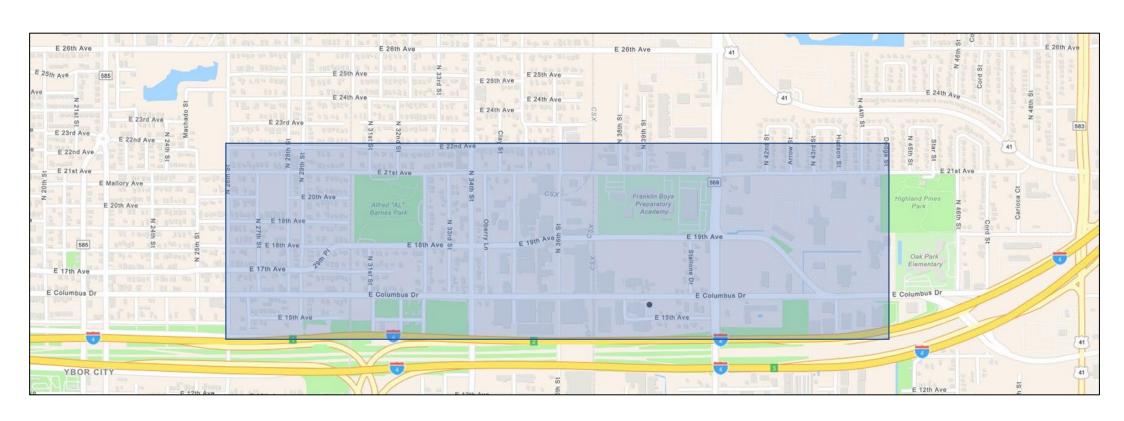
## **Services Required:**

- Task 1: Area Definition
- Task 2: Community and Business Involvement
- Task 3: Planning & Project Development
  - a. Placemaking
  - b. Market Analysis
  - c. Infrastructure and Environmental Scan
  - d. Market Impediments
  - e. Market Solutions
  - f. Funding & Finance Strategies
  - g. Final Report





## Target Area Magnified





- Proposal Requirements
- Schedule & Timing
- Evaluation Process
  - i. Approach
  - ii. Experience
  - iii. Availability
  - iv. Capability
  - v. Diversity & Inclusion
  - vi. Interview (Optional)





## **Recap of Key Questions**

- Is Columbus Drive the primary target area?
   Yes
- 2. How extensive should the community/business outreach efforts be?

  Process is not intended to replicate the CRA's Strategic Action Plan process but to emphasize the business community's input.





East Tampa Works – Regional Investment Hub



## **EDA Phase 1 Funding:**

- 1. Complete conceptual design and floor plans for SMI Institute and Makerspace
- 2. Complete civil engineering and related studies for the SMI Institute Site(s), to be determined

### EDA Phase 2 Funding:

1. Complete construction documents and provide construction administration for SMI Institute and Makerspace





#### <u>Scope of Services – Phase 1 Funding:</u>

- Conceptual Design
- Floor Plans
- Civil Engineering and all related studies for Construction Assistance (p. 24 of the BBBRCG NOFO):
  - Form SF-424C
  - Form ED-900B
  - Form ED-900C
  - Form ED-900E
  - Environmental Documentation
  - Applicant Certification Clause
  - Map of Project Area





#### <u>Scope of Services – Phase 2</u> <u>Funding:</u>

- Construction documents and permits
- 2. Bid preparation and evaluation assistance
- 3. Construction Administration and Inspections
- 4. Other services as required



Anchor facility in the Regional Innovation Hub. The building should be iconic and spark vision for placemaking goals.



- Qualifications
- General Contract Terms
- Contact Information
- SOQ Deadline
- General Conditions
- Schedule
- Evaluation
  - i. Qualifications & Experience
  - ii. Design Ability
  - iii. Local Preferences
  - iv. M/SWBE Preferences
- Interview & Final Criteria
  - i. Understanding of Program Requirements
  - ii. Approach and Method
  - iii. Ability to Provide Services



Anchor facility in the Regional Innovation Hub. The building should be iconic and spark vision for placemaking goals.



## Recap of key questions:

- Has a property been secured?
   Underway options being considered.
- 2. <u>Is time sufficient to</u>
  <u>complete requirements for</u>
  <u>Phase 2 EDA application?</u>
  Your availability and schedule to complete services will be key.





# SVIRES SURES

## Deadlines & Timeline

East Tampa Works – Regional Investment Hub



| KEY EVENTS/MILESTONES   | DATE                                     |
|---|--|
| Questions for Clarification Deadline                          | November 22, 2021 at 4:00pm              |
| Publication of Questions & Answers (To registered applicants) | November 26, 2021                        |
| Submission Deadline: Urban/Land Use Services                  | December 3, 2021 at 4:00pm               |
| Submission Deadline: Architecture & Engineering Services      | December 3, 2021 at 4:00pm               |
| Evaluation: Short List Selections (Land Use)                  | December 10, 2021                        |
| Evaluation: Short List Selections (A&E Services)              | December 10, 2021                        |
| Applicant Presentation Meetings                               | TBD                                      |
| EDA Award Announcement (Phase 1)                              | TBD                                      |
| Contract Negotiations: Land Use Services                      | January 7, 2022                          |
| Contract Negotiations: A&E Services                           | <b>TBD: Subject to EDA Phase 1 Award</b> |
| Notice to Commence: Land Use Services                         | January 17, 2021                         |
| Notice to Commence: A&E Services                              | TBD: Subject to EDA Phase 1 Award        |
| EDA Phase 2 Application Deadline                              | March 15, 2022 at 11:59pm                |
| A   | Il times Eastern Standard Time TAMPA BAY |

## Resources

## **Primary Contact:**

Tony Brown, Director of Community Development, Tampa Bay EDC, at <a href="mailto:tbrown@tampabayedc.com">tbrown@tampabayedc.com</a>

TBEDC's Build Back Better Regional Challenge Grant Application will be provided at the completion of contract negotiations with the selected vendor(s) to protect the proprietary nature of our application while the process remains open.

### **About Tampa Bay EDC:**

www.tampabayedc.com

### **About East Tampa CRA:**

www.tampa.gov/CRAs/East-Tampa

# **Build Back Better Regional Challenge Grant:**

www.eda.gov/arpa/build-back-better



# THANKYOU!