



HOW GEORGIA TECH SUPPORTS RURAL GEORGIA DEVELOPMENT

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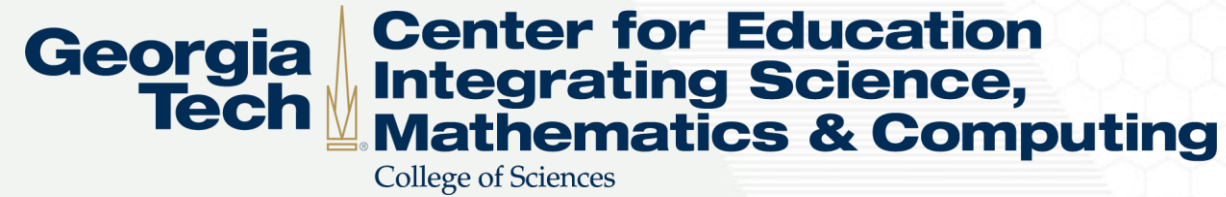


Rural Workforce Development

High Tech Entrepreneurs

Advanced Manufacturing

Themes: Partners, Innovation, Impacts



- **GIFT** – Georgia Intern Fellowship for Teachers – 26 counties, mostly rural
- **K-12 InVenture Challenge**
- **AMP-IT-Up** – Griffin-Spalding County School System
- **Georgia FIRST Lego League**
- **Robotics Competitions**

Coop / Intern Programs

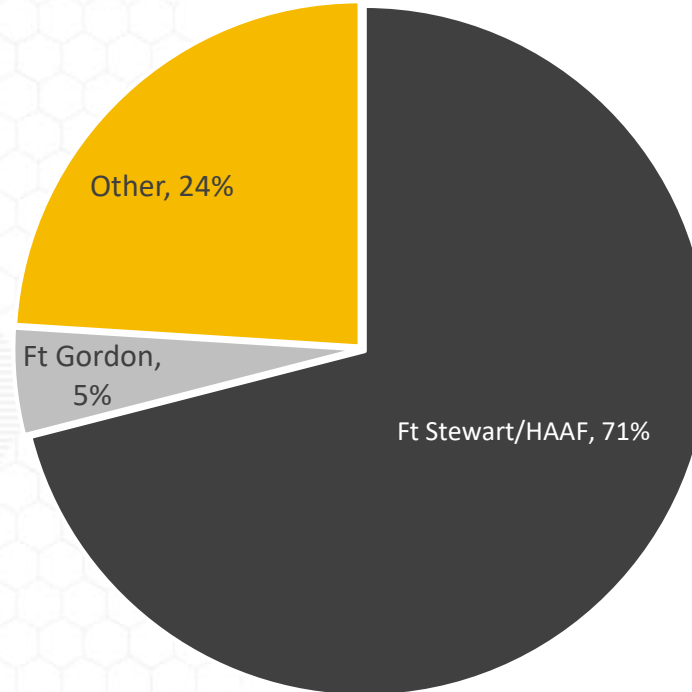
- **Traditional Coops**
- **GTRI – 14 Mercer Students**
- **GaMEP Coops in the state**
- **Georgia Southern Coop/Intern Program**
- **GTMI – TCSG program**

VET² – Veterans Education Training and Transition Program

VET² – VETERANS EDUCATION TRAINING & TRANSITION PROGRAM



- The first active duty military internship to employment program
- The VET² Program includes the following tracks:
 - Basic Course
 - Plan of Action Development
 - Workforce Integration
 - Lean Six Sigma Black Belt
 - Telecommunications
 - Supply Chain Project Management
- Program duration is 2-5 weeks depending on track
- VET² receives > 200 interest requests per month



“The long term key to veteran employment support is to engage and mobilize communities to establish collaborative partnerships.”

Michael Michaud
Asst Sec, US Dept. of Labor, 2016

WHAT'S NEXT FOR VET²



- Awareness Campaigns at all Georgia Military Installations – VET² 101
 - > 10,000 Service members transitioned each year
- Overseas internships for service members stationed abroad
 - Discussions with DOL, Army IMCOM, GaDEcD to offer VET2 to Army installations in Germany with offers of employment in Georgia
- Operation Workforce: Employer Awareness & Resource Training
- Integrate VET² program with HDCI and DOL opportunities
- Increase Active Duty Access to Georgia Worksmart Apprenticeship Programs
- VECTR (Warner Robins) Center Support
- Embrace the Force and Family Model
 - Encourage military spouse participation in the VET² transition programs



Educate Members

Accelerate Members

Signature Members

ATDC @ locations

ATDC@Athens - **Four Athens** -- UGA Idea Accelerator

ATDC@Augusta – **The Clubhous.se**

ATDC@Savannah – **Creative Coast**

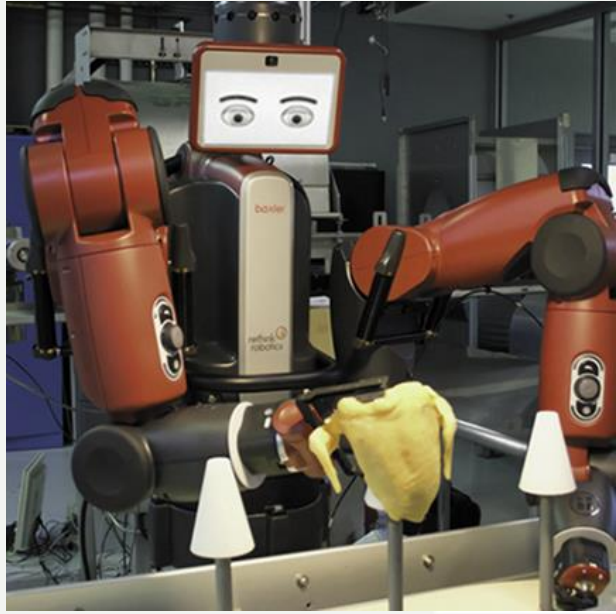
ATDC@Macon – **SparkMacon** – Pilot Program

ATDC@Columbus- **ColumbusMakesIT** -- Pilot Program



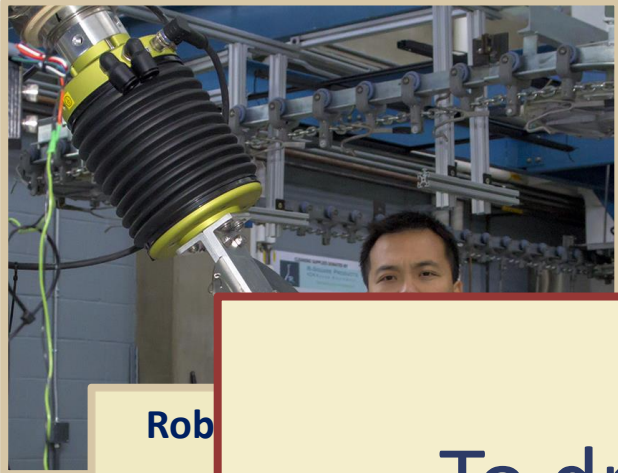
CREATE-X is a faculty-led, student-focused initiative to instill entrepreneurial confidence in Georgia Tech students.

ADVANCED MANUFACTURING



Safety, Health and Environmental Services





Rob



Health
oring

Vision:
To drive *Transformational Innovation* in
Advanced Technologies for
Poultry, Agribusiness, & Food Processing



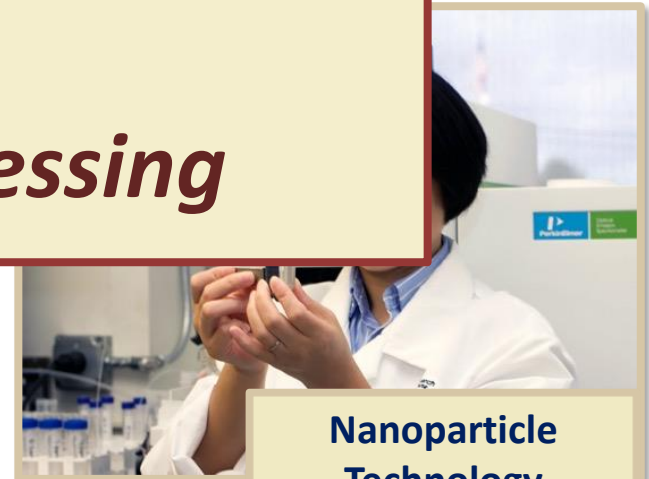
Food
Safety



Environmental
Research



Separation
Technology



Nanoparticle
Technology

LIVE ANIMAL ROBOTICS



Breeder Operations
Robotics

Monitoring health &
wellbeing in animal
environments

Applications:

Removing floor eggs

Detecting diseases

Monitoring
environmental
conditions

Bio security

With UGA College of Ag & Poultry Science

Colin Usher & Ben Joffe
CREATING THE NEXT®

AGRICULTURAL ROBOTICS



Autonomous Field
Scouting Robot
Collect leaf & soil samples

Applications:

- Stress
- Diseases
- Pest
- Weed
- Labor
- Mapping

Advanced
Sensing



Dr. Ai-Ping Hu & Conrad Ahlin

With UGA Colleges of Ag & Engineering

Brachiating “Tarzan” robot

Swings on cables above crops

Applications:

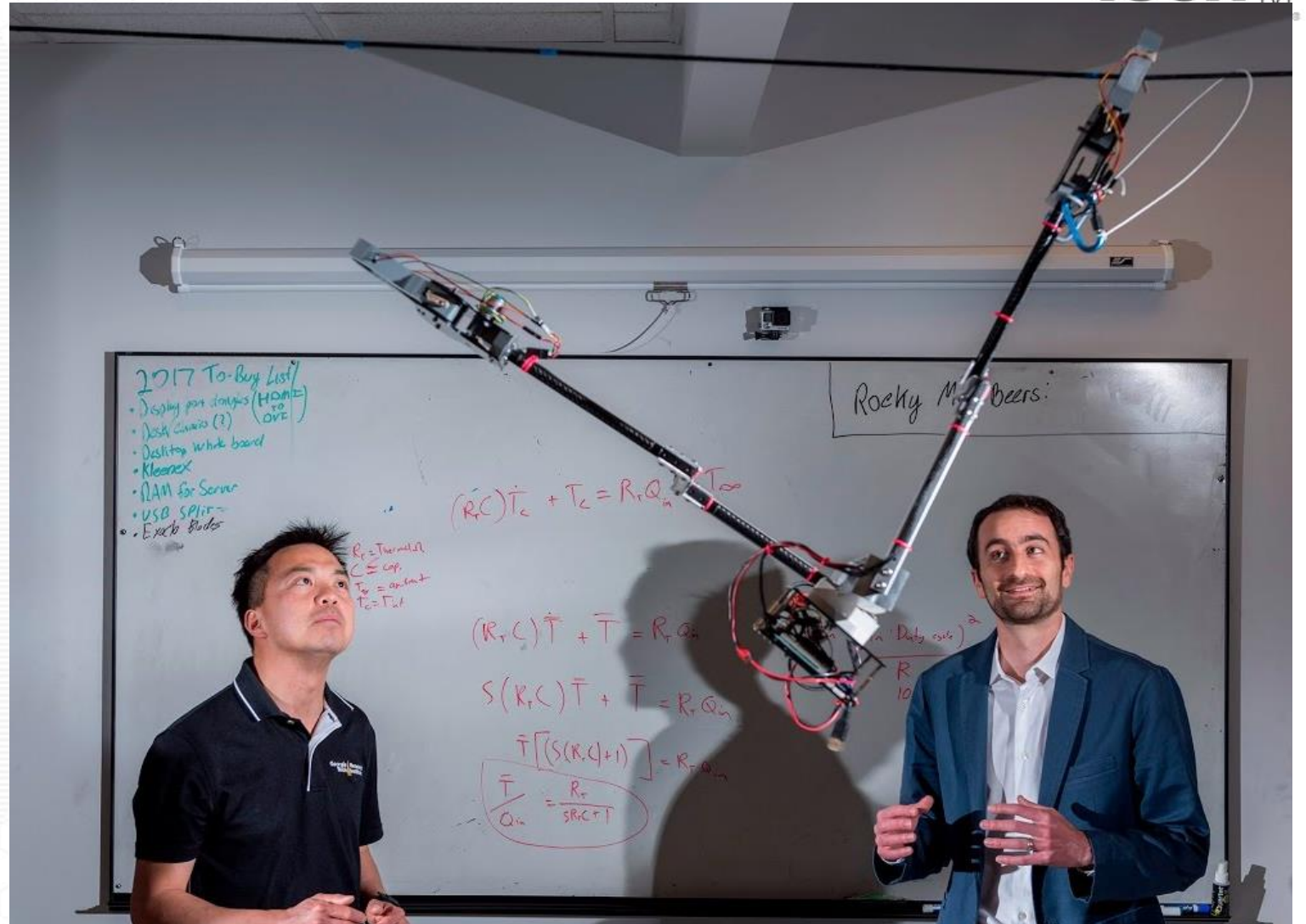
Crop monitoring

Rapid phenotyping & data collection

Low energy consumption

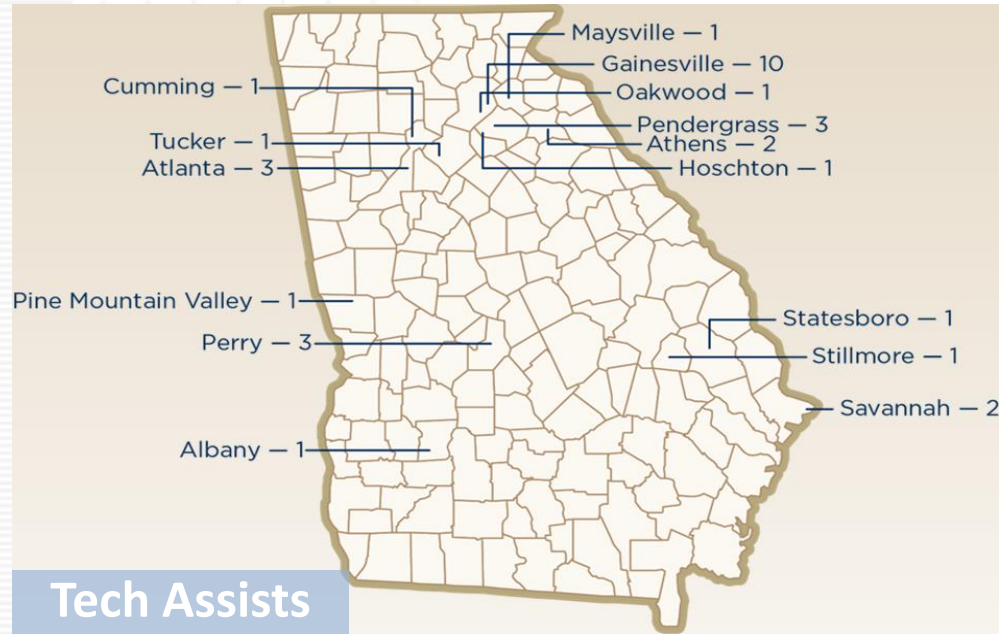
Dr. Jonathan Rodgers &

Dr. Ai-Ping Hu

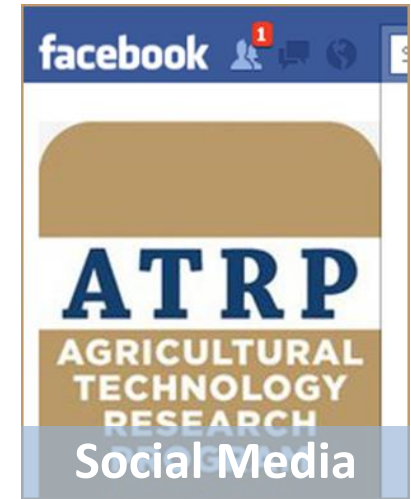


With UGA Colleges of Ag & Engineering

OUTREACH, TECH ASSIST, & EDUCATION



Tech Assists



Education



Trade Shows & Exhibits



Poultry World

Food Companies



Equipment Companies



Agencies & Trade Associations



Universities

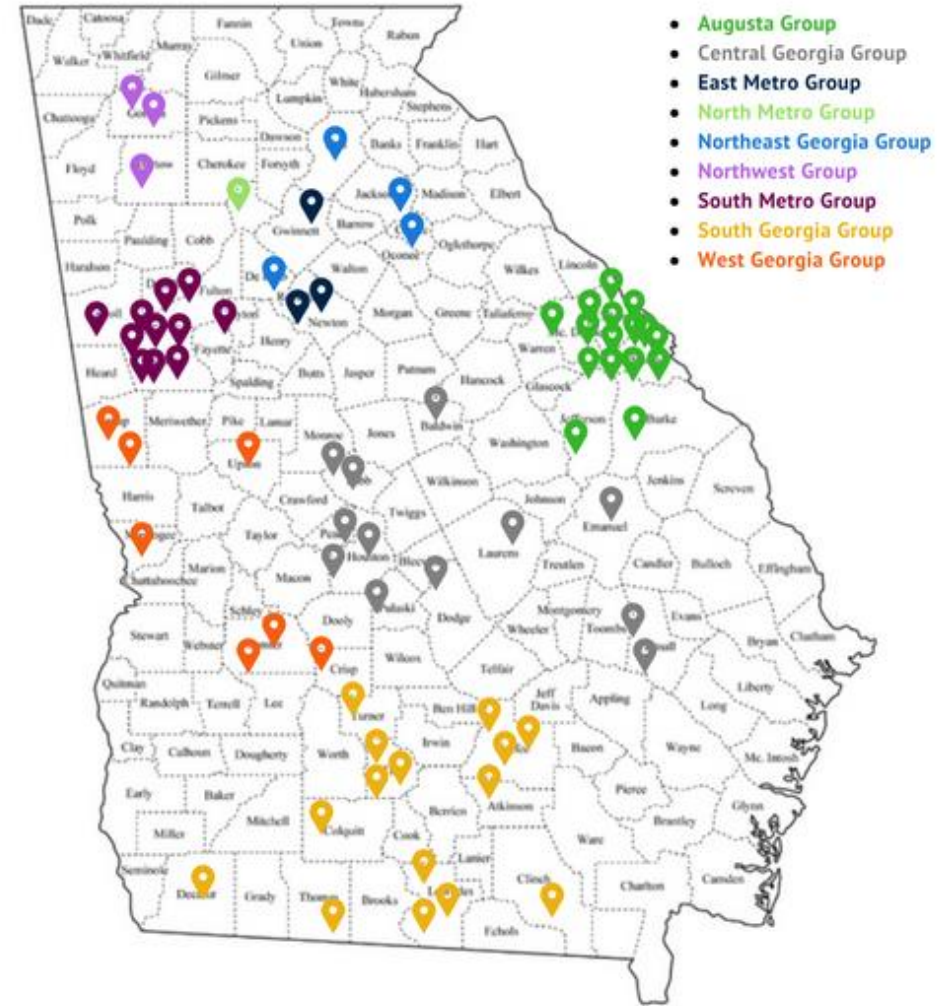


Advanced Manufacturing Consortium Members

More than

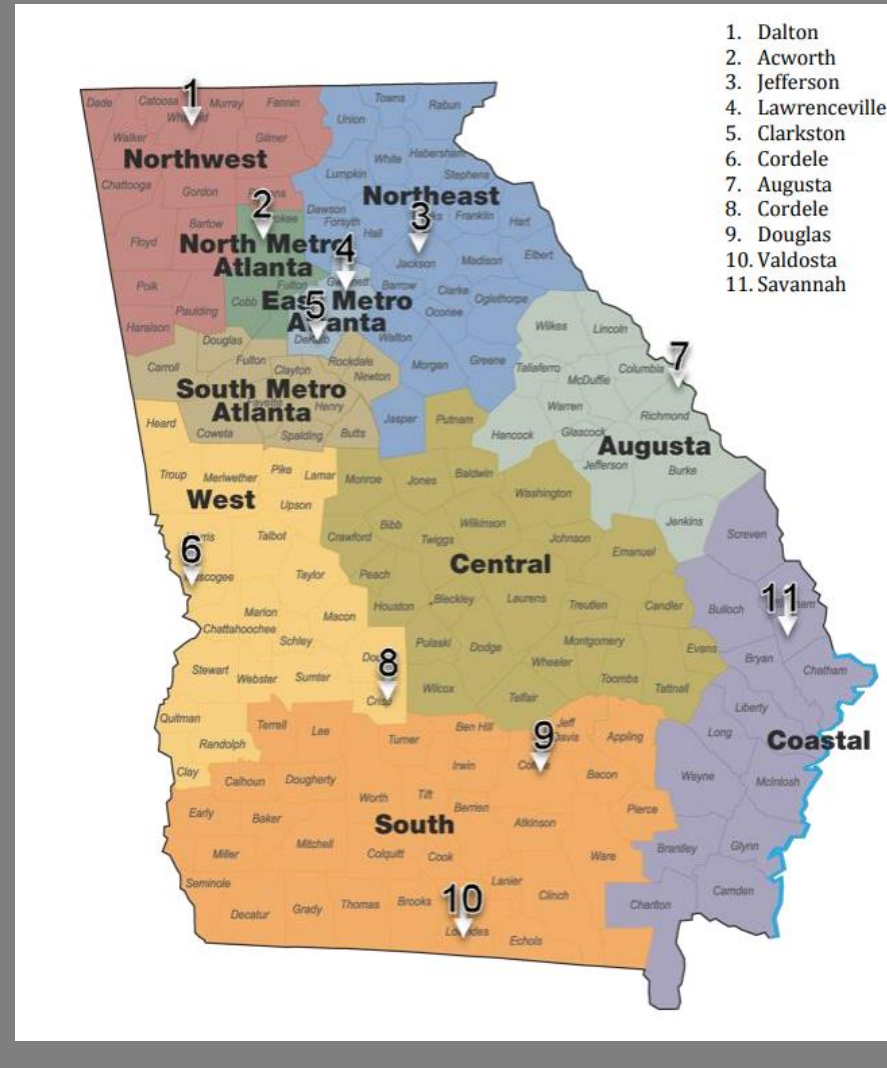
70 member companies in
9 consortium groups across

Georgia



Manufacturing Growth Meetings

Began in 2014 and have grown to 11 locations across the state – offered 4x a year in each location – *3,067 attendees* – *2,203 Unique participants* – *674 manufacturing companies*



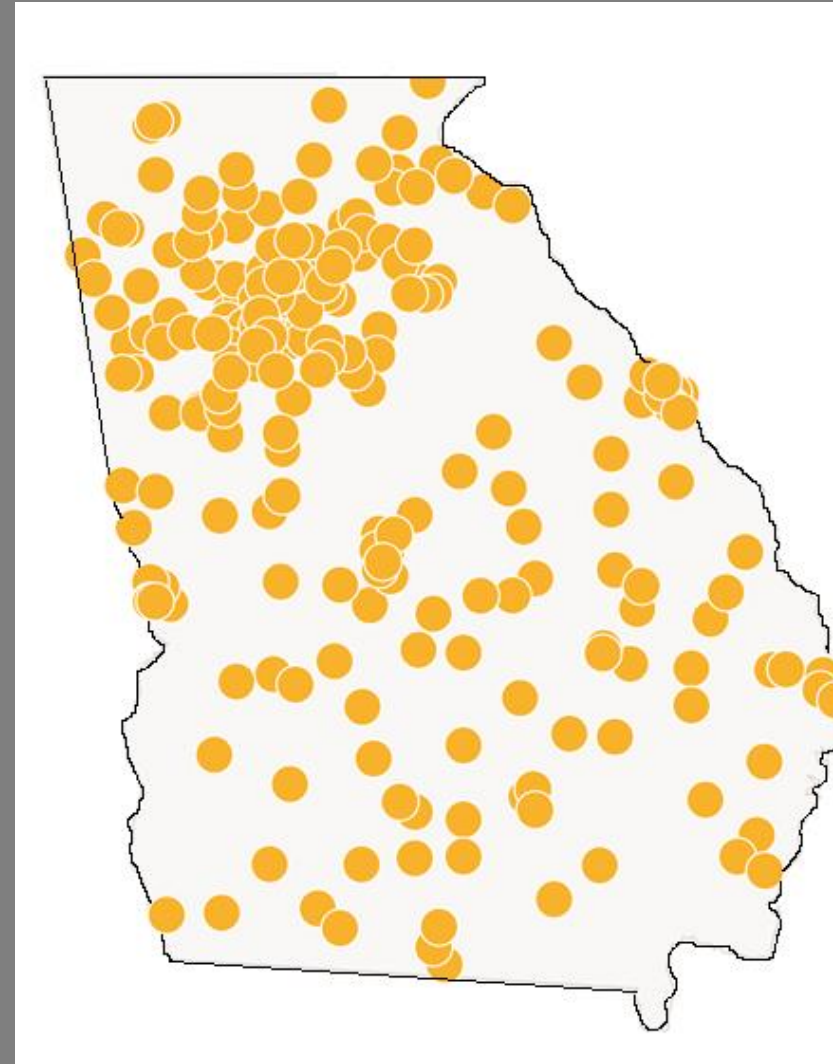
GaMEP Project Work

Last year, the GaMEP served
1,038 manufacturers,
245 with in-depth projects
with company reported results:

1542 created / retained jobs

\$303 million of new & returning sales

\$41 million in cost savings



Rural Workforce Development

High Tech Entrepreneurs

Advanced Manufacturing

QUESTIONS?

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