



# **Technology and Innovation: The Future Engines of Economic Development in Georgia**

## *Innovation and Georgia's Strategic Industries*

December 8, 2008

# Georgia's Perspective On Innovation

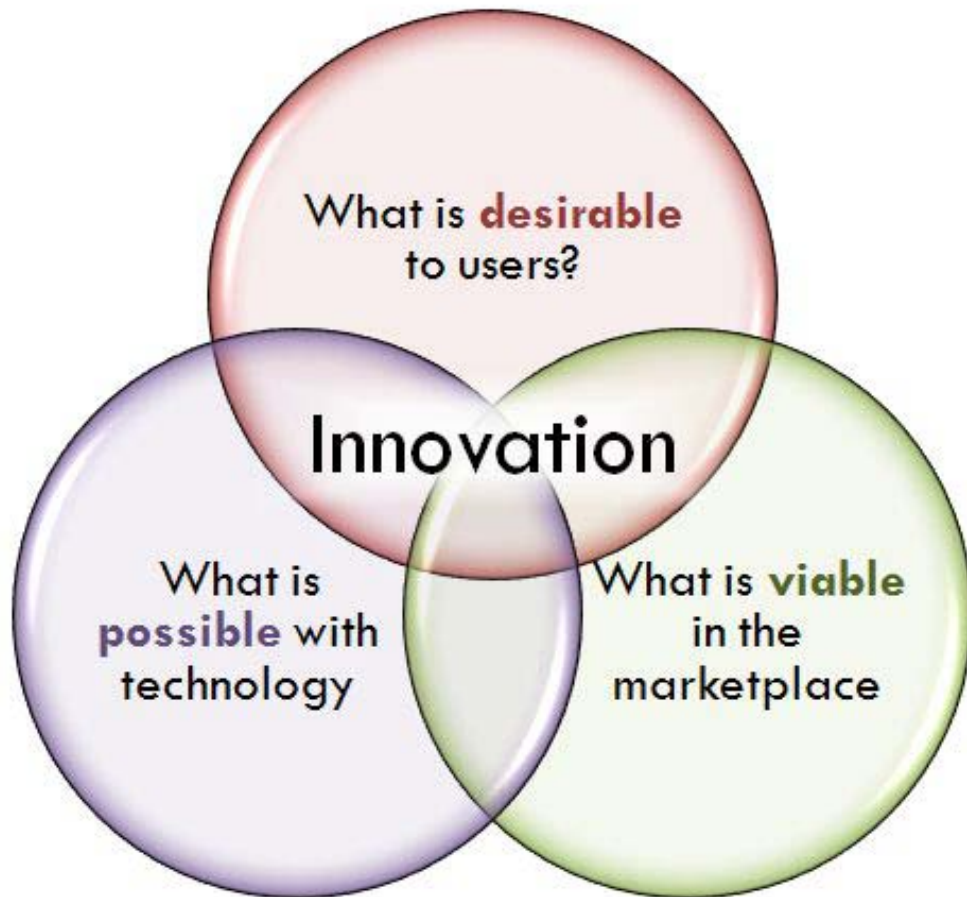


## A new model for **Economic Development**

A comprehensive environment for  
advancing global  
competitiveness  
for Georgia's  
businesses



# Innovation – Growing Georgia's Economy



Innovation based product and service growth offers a never ending replenishment of sustainable economic growth

Produces continually increasing new products and services – increased momentum and global competitiveness

# How to Remain Competitive in a Global Marketplace



Leverage **existing strengths**

Focus on the **Strategic Industries**

Develop and grow **innovative programs & partnerships**



# Georgia's "Unfair Advantages"

## - Existing Strengths



- **Global Access**
- **Location**
- **Corporate HQs & Fortune 500 Offices**
- **Quality of Life**



# - The Strategic Industries



**Aerospace**

**Agriculture**

**Manufacturing**

**Communications**

**Energy**

**Life Sciences**

**Logistics**

**Established by the Commission for New Georgia -  
Focus' on Industries with Highest Economic Impact,  
Where GA has an Advantage and the  
Greatest Potential for Future Growth**



Agriculture



Manufacturing



Life Sciences



Logistics



Aerospace



Energy

# Strategic Industries Impact



## Strategic Industry Impact in GA

	employment	US Rank	Economic Impact
<b>Aerospace</b>	80K	8th	\$5. 6 Billion
<b>Agriculture</b>	389K	12 <sup>th</sup>	\$58.5 Billion
<b>Manufacturing</b>	430K (non-AG)	11 <sup>th</sup>	\$43 Billion
<b>Life Sciences</b>	15K	7 <sup>th</sup>	\$7.8 Billion
<b>Logistics</b>	810K	#2 Transportation #3 Seaport, #7 Rail	\$550 B Dir. Rev.



Agriculture



Manufacturing



Life Sciences



Logistics



Aerospace



Energy

# Business Economic Growth What's Going on?



## Business Growth

### Stagnated and Challenged by:

- Management – Strategy & Planning
- Economy Fluctuations
- Technology Changes with Global Competition

**Now is the Time to Focus on Advancing  
Technologies in Georgia's Strategic Industries**

# - Innovative Programs & Partnerships



- Georgia Centers of Innovation
- Innovation & Technology Office
- GRA
- ATDC



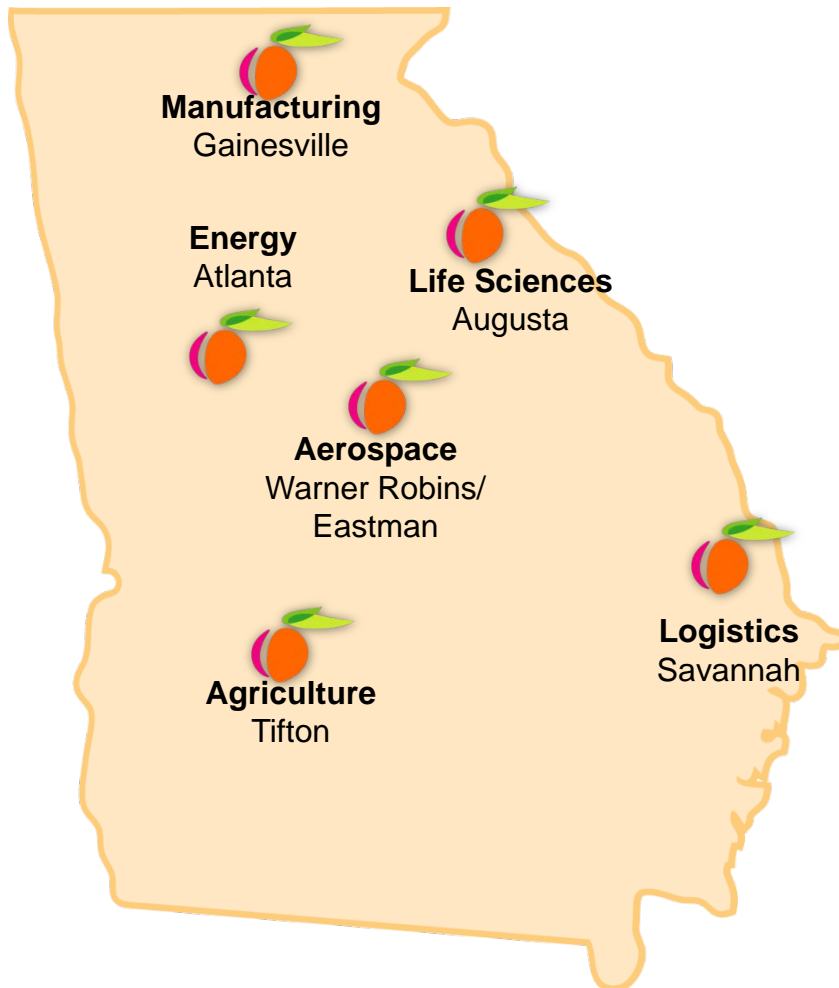
# - Innovative Programs & Partnerships - ITO



- **The Innovation & Technology Office (ITO) is focused on growing Georgia's strategic industries through business development and recruitment (increased jobs and investment)**
  - ITO projects up 58%
  - Recently announced location of Finnish company Kemira's N.A. R&D facilities to GA – 85 jobs
  - Suniva (solar cells)
  - BIO 2009



# -Innovative Programs and Partnerships – Centers of Innovation



- **Deep Industry Expertise for Strategic Industries –**
  - Industry Marketing for all Georgia
  - Market & Technical knowledge
- **Connections to ..**
  - R&D – University & Other
  - Market Expertise
  - Business Connections

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

# Centers of Innovation - Accelerating Growth in GA's Strategic Industries



Medical College of Georgia  
GEORGIA'S HEALTH SCIENCES UNIVERSITY

THE UNIVERSITY OF GEORGIA



MIDDLE  
GEORGIA  
COLLEGE

# Focus on Technology Innovation in Ga's Strategic Industries Produce Results



Energy

Suniva (solar cells) - Range Fuels  
(Pine Tree Ethanol)



Agriculture

Deep Organic - European Growth  
Company



Logistics

Savannah Port Growth #1 in the USA  
Growth - 466%



Life Sciences

GA's Life Science Incubator one of  
the top five places in the U.S. for  
Biotech startups



**Continued Focus is Required to Ensure Georgia's  
Global Competitiveness**