#### **Innovation Ecosystem at Tech Square**

### Metro Atlanta Chamber Board of Directors

#### July 16, 2015







G. P. "Bud" Peterson President

Georgialnstitute of Technology

# Tech Square

An innovation district where new start-up ventures, large companies, and higher education collaborate to develop new technologies and impact economic development.







# Tech Square 2001



# Tech Square Today



## Momentum in Tech Square



Southern Company Summer 2015 WorldPay Headquarters January 2016 NCR headquarters January 2017

## Corporate Innovation Centers

#### WorldPay confirms \$1M investment in new fintech accelerator at Georgia Tech

Mar 3, 2015, 10:01am EST UPDATED: Mar 3, 2015, 10:24am EST





#### Southern Co. plans Energy Innovation Center at Georgia Tech's Technology Square

O April 3, 2015 | Filed in: Uncategor

rgy Innovation Center at Georgia Tech's Technology Square in Midtown to develop

Southern said it will seek partnerships with universities in the Southeast to develop and test ideas. Employees' ideas will be among the first tested as part of a companywide competition.



The parent of Georgia Power and other utilities in the Southeast will join a growing number of major corporations that are setting up shop at the Midtown technology hub

Technology Square, which opened in 2003, is at Fifth and Spring streets, just east of the Downtown Connector. The \$380 million





Posted January 22, 2015 | Atlanta, GA



Roll out the "orange" carpet for Home Depot, which has officially opened its first-of-its-kind, university-based research and development center at Georgia Tech.

NCR (NYSE: NCR) will relocate to Technology Square, a destination for innovation-driven enterprises lured by the talent and research emerging from engineering hub Georgia Tech.

# During FY 2014, $EI^2$

- Served 505 technology startup companies that generated venture capital investment and M/A of more than \$270M
- Assisted 96 minority entrepreneurs who, as a result, received nearly \$93M in new contracts, increased sales, and secured new bonding/financing
- Worked with 1,440 Georgia manufacturing companies and helped them increase sales by \$219M, create or save 1,910 jobs, and slash operating costs by \$40M
- Helped Georgia companies secure **\$592M** in government contracts and create or save an estimated **11,850 jobs**

## Georgia Tech Innovation Ecosystem

#### On Campus... In the Community... ...and Beyond!



## Georgia Tech Innovation Ecosystem

#### On Campus...





# On Campus





- Capstone Design
- Convergence Innovation Competition
- Create-X
- Georgia Research Alliance
- GT:IPS
- Invention Studio
- InVenture Prize
- Master of Biomedical Innovation
- Scheller College of Business
  Startup Competition
- Startup House
- Startup Lab
- Startup Summer
  - TI:GER
- VentureLab

## VentureLab

Georgia Tech VentureLab – Turning Georgia Tech's most promising research into dynamic startup companies

- No. 2 among top university business incubators in the U.S., 2014 (UBI index)
- No. 6 in the Western Hemisphere
- No. 17 in the world
- Now assisting 100 startups

Since 2001: helped launch 150 companies which have raised more than \$1.1B in outside capital.



# Venture Lab Stats 2014

Inventions reviewed annually	250+
New projects annually	20+
Ongoing projects	70+
New spinout companies created annually	15+
External investment attracted to VentureLab companies	~ \$100M

## Georgia Tech Innovation Ecosystem

#### On Campus... In the Community...











# In the Community

**ATDC** – Science and technology startup accelerator

- Flashpoint Entrepreneurial education, shared learning in a flexible, dedicated space
- Competitive, accelerated environment for business model and technology development

Actual Contraction of the Contraction		
atde	Georgia Institute of Technology	Becoming an ATDC Company   Resumes   Service Providers   Search Helping Georgia entrepreneurs build great technology companies.
Home About ATDC		ATDC News Resource Center VentureLab Contact Us
	Alphabetical By Location By Category Graduates	— ALPHABETICAL
	Companies	Print Version
Looking for	AFROVECTR	AerovectRx is developing pulmonary drug delivery technology licensed from the U.S. Centers for Disease Control and Prevention (CDC). more $>$
some Online Entrepreneur Resources?	Agrios	Agrios provides a solution to automatically capture, identify and archive damage information on vehicles to reduce losses for fleet owners and insurance companies. more $>$
	∢asankya	Asankya Networks provides intelligent networking solutions that optimize the performance and security of real-time traffic on multi-site wide area networks. more $>$
	Attrasoft	Attrasoft develops software solutions for companies that require fast, accurate image and video recognition. more $\succ$
	BIOFISICA	Biofisica is a medical device company developing solutions for the wound care market by pursuing bio-natural technologies which activate the current of healing – a naturally occurring biological process. mare >
	Cambia	Cambia CM is security policy enforcement software that safeguards the integrity of network asset configurations while dramatically reducing preparation time needed to pass IT security audits. mare $>$
	Celtaxsys	Celtaxsys is developing biotechnology that modulates the body's response to inflammation for the treatment of a number of diseases and conditions. more $>$

**GCMI** – Global Center for Medical Innovation

Startup Gauntlet – 6-week boot camp for entrepreneurs, modeled on NSF I-Corps program Available to all Atlanta technology entrepreneurs, free

# ATDC

- Named to Forbes 10 technology incubators that are changing the world
- 400 member companies, 40 Georgia Tech spinouts
- ATDC companies have attracted nearly \$2.8B in investment capital to date.

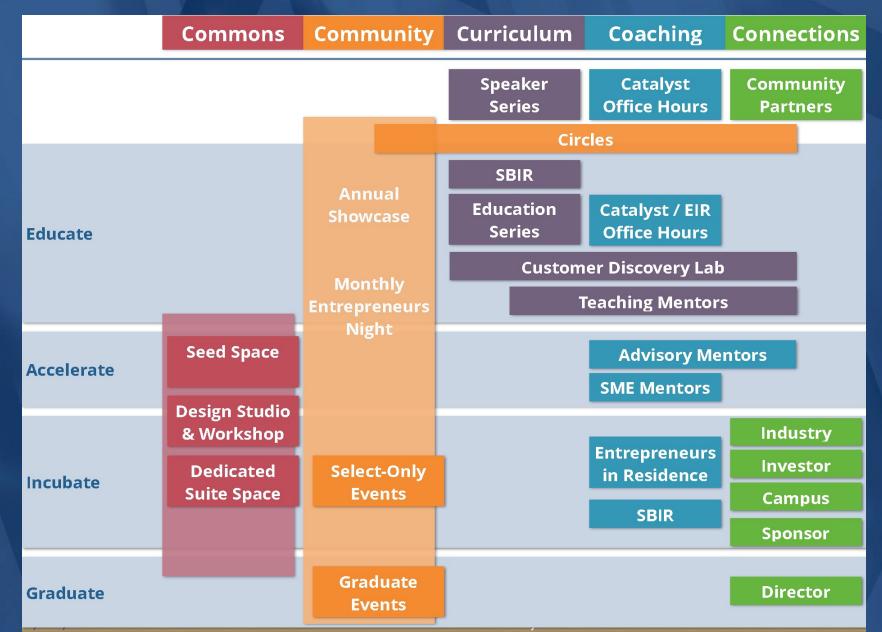


In Depth: 10 Technology Incubators That Are Changing The World



- ATDC program companies reported revenues of more than \$1.3B and more than 5,500 jobs
- Helped 20 Georgia companies prepare proposals for Small Business Innovation Research (SBIR) grants and win more than \$11M in awards

# ATDC Service Offerings



## Georgia Tech Innovation Ecosystem

#### On Campus... In the Community... ...and Beyond!



# And Beyond . . .

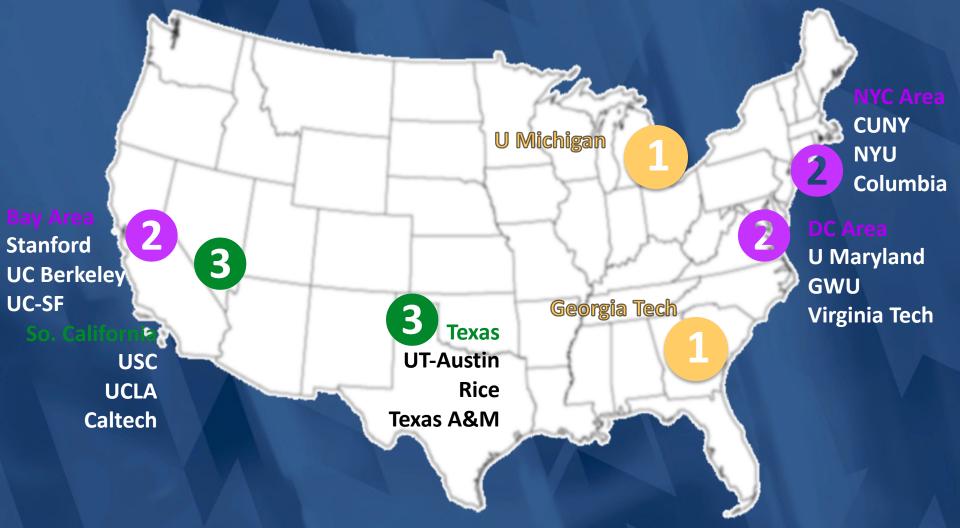


NSF I-Corps – Developing entrepreneurial knowledge in university scientists and engineers

 Georgia Tech was one of the first two universities chosen by NSF to scale I-Corps nationwide

Open Innovation – The new imperative for creating and profiting from technology (Henry Chesbrough)

# NSF I-Corps Nodes



7 Nodes, 17 institutions active (2015)

# 25 Atlanta Startups to Watch

1. AutoTrader 2. Cardlytics\* (ATDC) 3. Clearleap\* (ATDC) 4. CloudSherpas\* (ATDC) 5. Damballa\* (ATDC) 6. eFolder 7. Endochoice 8. IngeniousMed 9. Ionic Security\* (ATDC) 10.Kabbage 11.MailChimp\* **12.News Distribution** Network

13.Paymetric 14.Pindrop\* (ATDC/Flashpoint) 15.PlayOn Sports\* (ATDC) **16. Purchasing Power** 17.Salesfusion\* **18.SalesLoft\* (ATDC)** 19.ShareCare 20.SoloHealth\* (ATDC) 21.Suniva\* (ATDC) 22. The Rainmaker Group 23.Vendormate\* (ATDC) 24.WhatCounts\* 25.Yik Yak

### \* Georgia Tech connection – 14 of 25

# Unicorns in Atlanta

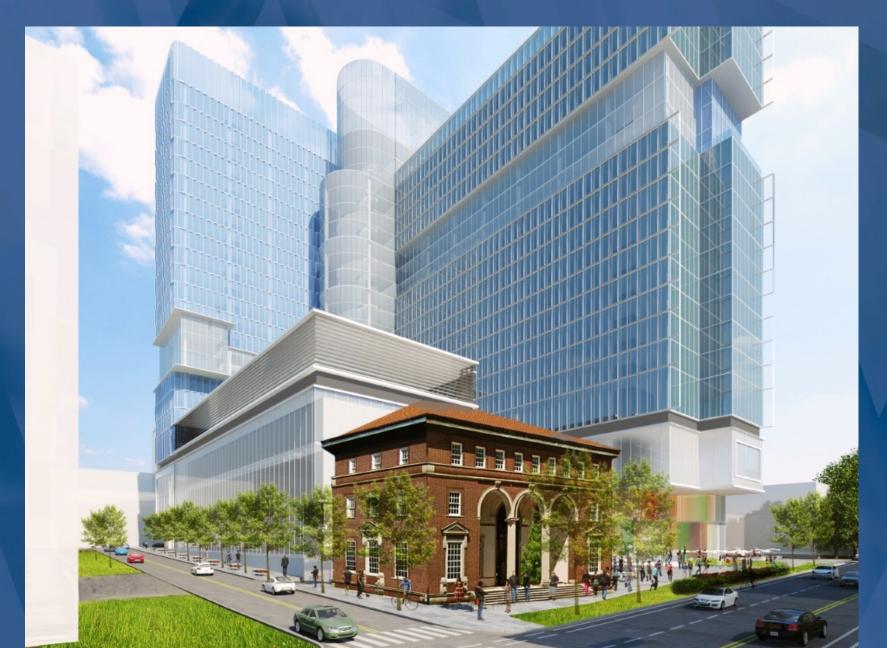
- 1. AirWatch\*
- 2. Radiant Systems
- 3. Witness Systems
- 4. Per-Se Technologies\*
- 5. Internet Security Systems\*
- 6. Scientific Atlanta\*
- 7. TradeX
- 8. MindSpring\*
- 9. WebMD

Unicorns: U.S.-based companies valued at over \$1B after 10 years or less



### \* Georgia Tech connection – 5 of 9

## High Performance Computing Center



#### • Questions/ Discussion







