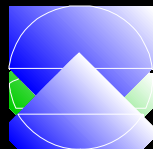


# Sustainability for New York State and Beyond

**Jeff Sama, Director**

Division of Environmental Permits  
and Pollution Prevention



New York State Department of  
Environmental Conservation

# Today

- Pollution Prevention Institute
- Greening of State Government
- R.E.A.C.H.
- Conference on P2, Process Intensification and Nanotechnology
- P2 Internship Program
- Environmental Excellence Awards
- NY Environmental Leaders
- Chemical Cleanout in Schools
- Green Hospitality & Tourism Industry
- Challenge to the Business Council



# NYS Pollution Prevention Institute

*ECL Article 28-103*

## Goals:

- Implement affordable & **cost effective** pollution prevention **methods** to sustain the **competitive advantage** of New York businesses.
- **Reduce** energy & resource **consumption** and reduce or eliminate hazardous substances, pollution, & **waste**.
- **Prevent risks** to public health & environment associated with use/production of hazardous substances.



# NYS Pollution Prevention Institute



# NYS Pollution Prevention Institute

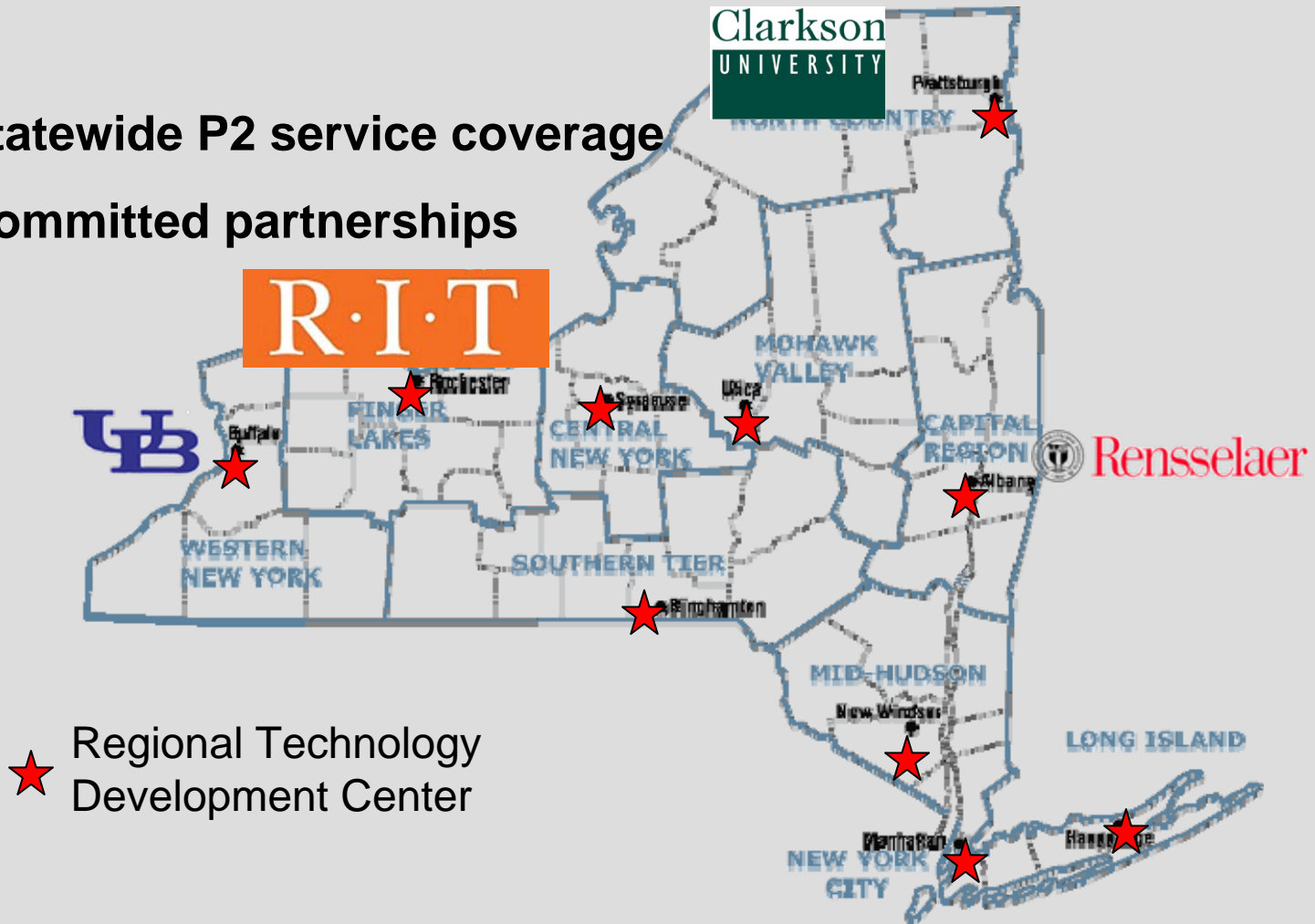
## RIT Selected

- Experience with business and manufacturing
- \$10 million in leveraged academic programs
- Outreach, In-reach and marketing strategy



# NYS Pollution Prevention Institute

- Statewide P2 service coverage
- Committed partnerships



# NYS Pollution Prevention Institute

- **Technical Capacity – 16 test beds, dedicated staff & facility**

- **Examples:**

- RIT - Life cycle environmental engineering of nanomaterials
- Clarkson - Green processing via process intensification
- RPI - Polymer processing and testing
- UB – sustainable chemical processes

- **Leverage \$45 million in equipment & facilities**

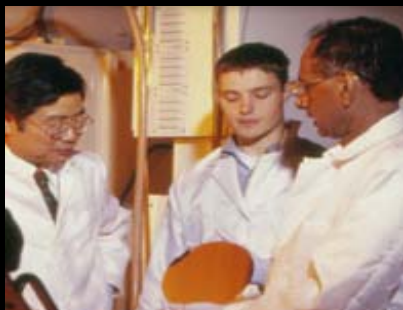


Photo – Clarkson CAMP



Photo – RPI Polymer Lab



Photo – RIT CIMS



Photo – UB Env. Chemistry



# Greening NYS Government

## Executive Order #4

## Green Procurement & Agency Sustainability

- Interagency Committee - OGS & DEC chair
- By 9/1/08
  - 3 product categories, 12 products in each category
- By 12/1/08
  - Procurement specifications
  - Procurement lists of vendors



Each agency develops a Sustainability Program



# R.E.A.C.H.

Registration,  
Evaluation,  
Authorization and restriction of  
Chemicals



DEC Partnered w/ ESD and Industry

- Outreach to NY businesses to comply with new law
- Help NY businesses be competitive in global market

Preregistration under REACH June 1 to Dec1, 2008

Reach Roundtable?



# A greener world?

*...be part of it*

**7th Annual International  
Conference on Process  
Intensification, Green Chemistry  
and Nanotechnology**  
Albany, New York

**SAVE THE DATE:  
September 15th – 19th , 2008**

[http://bhrgroup.com/Process\\_Intensification\\_7.aspx](http://bhrgroup.com/Process_Intensification_7.aspx)

and

[http://bhrgroup.com/Nanotechnology\\_1.aspx](http://bhrgroup.com/Nanotechnology_1.aspx)



# DEC P2 Summer Internships

- EPA Grant
  - Assist NY businesses
- EPA Performance Track, NYEL or EEA winners
- Kickoff Summer 2008
  - 6 companies awarded – variety of projects
    - Covanta-Hempstead, Onondaga, Niagara
    - NXP
    - Modern Landfill
    - NYC Council on Environment
  - 38 students applied
- Next Round in 2009



# Environmental Excellence Awards

- **Recognizes**
  - Innovation, Sustainability, Creative Partnerships
- **Honors**
  - Businesses,
  - Not-For-Profits
  - Governments
  - Academia
  - Individuals
- Applications due June 13, 2008

[depprmt@gw.dec.state.ny.us](mailto:depprmt@gw.dec.state.ny.us)



# NY Environmental Leaders

- Motivate and sustain high environmental performance
- Provide recognition and incentives to members
- Schedule
  - Transition applications by 5/31 for Performance Track members
  - New applications by 10/31 for prospective members



# Chemistry in Schools

- Statewide workshops on chemical management/chemical clean outs
- Pilot cleanout at Troy and Lansingburgh H.S.
- Introduce green chemistry concepts, workbook



# Green Hospitality & Tourism

- Partnership between business, government & academia
- Goals
  - Certification
  - Green Supply Chain R&D
  - Marketing
  - Purchasing pools



# What Business Council Members can do...

- Refer Businesses to the Pollution Prevention Institute
- Convene REACH Roundtable
- Attend International Conference in Fall '08
- Sponsor P2 Interns
- Sponsor school programs
- Submit projects for Environmental Excellence Awards
- Apply for NY Environmental Leaders membership



**Thank You**

**Jeff Sama, NYSDEC**

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