

Solve Production Issues Through Partnerships



NIST | MEP

Center for Advanced Technology Solutions (CATS)

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Center for Industrial Services
INSTITUTE for PUBLIC SERVICE



CATS Mission

Offer actionable understanding of diverse technologies to deliver the fastest, effective solutions to their challenges.



Project Highlight #3

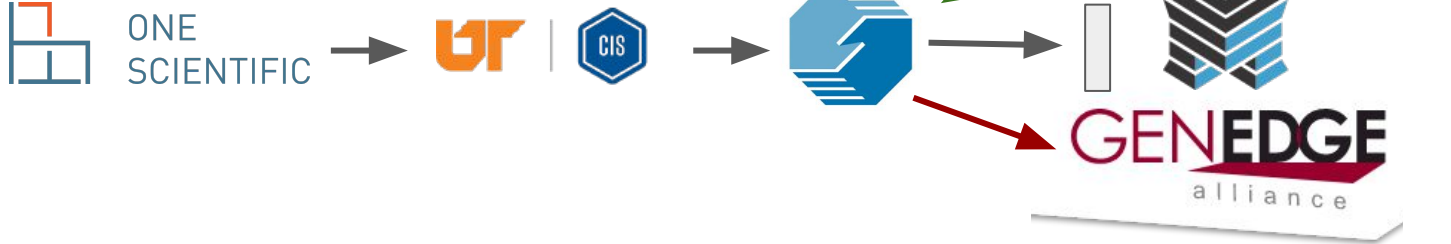
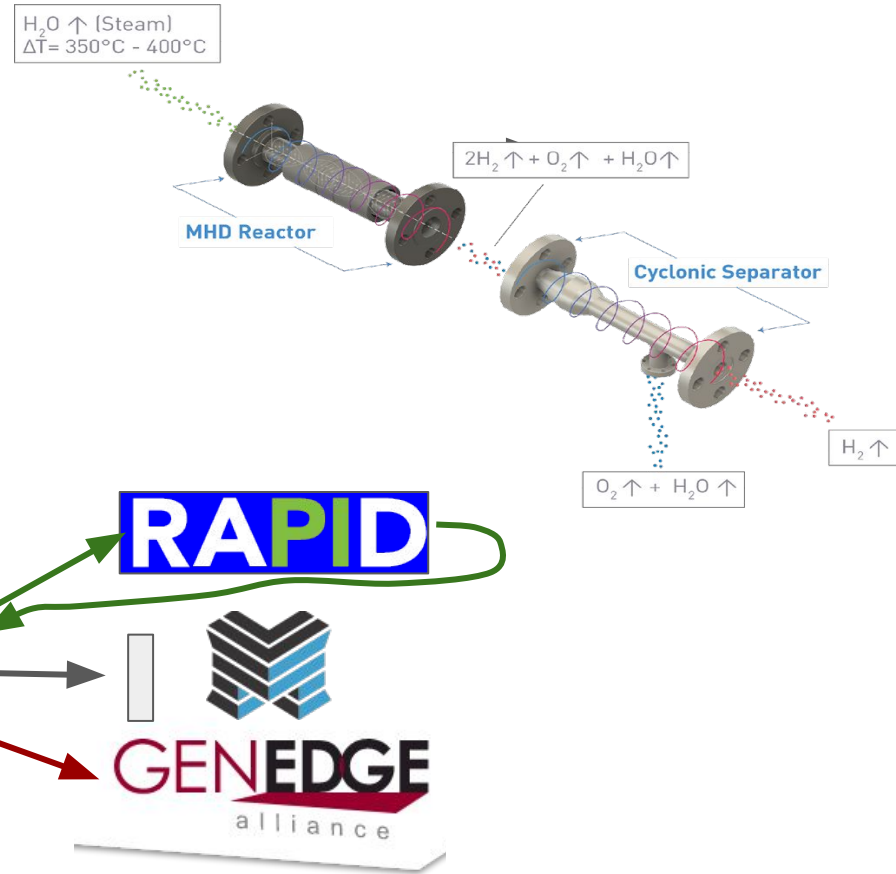
Source: TN MEP Field Staff

Manufacturer: One Scientific, manufacturer of hydrogen generation equipment.

Project: Source of High Quality Steam

Resource: RAPID Institute

Vehicle: Business Partnership



Project Highlight #1

Source: Bob Beckman, MO MEP
Advanced Tech Team Champion

Manufacturer: Talema, Missouri,
maker of advanced acoustical
transformers

Project: Pursuit of world's first UL
Listed electrically insulative
additive material

Resource: Oak Ridge National
Laboratory

Vehicle: Funded by ORNL
Industry Collaboration Program



Differentiators



Working Working Group

- A working group that solves real problems, together
- Identify hidden opportunities



Broad Tech Awareness

- Participate in tech deployments to become the application experts
- Support institute activities
- Federal Labs expert



Rolodex of Resources

- Expertise
- Capabilities
- Technologies



Penchant for ACTION

- Respond quickly
- Follow up

MEP Advanced Technology Team

Approach: We help manufacturers confront and solve their most daunting challenges.

25 Champions

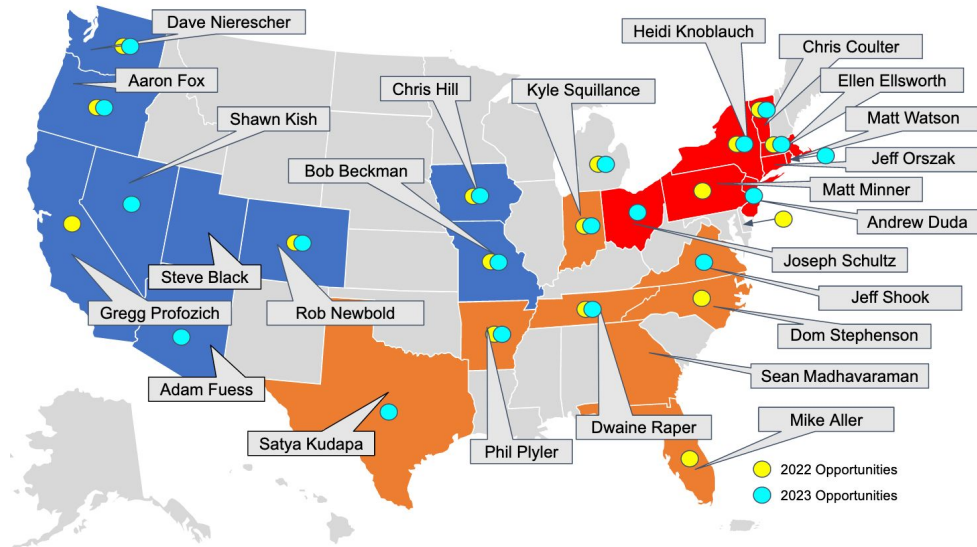
Over 1/2 surveyable

Over 2/3s Successful

Projects in 23 States

150+ Projects

Millions of Impact



Half of projects outside 3 funded states.

Technology Sources and Partners

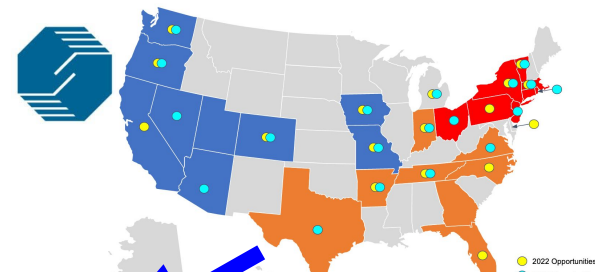
18 Manf. Institutes



Hundreds of Labs

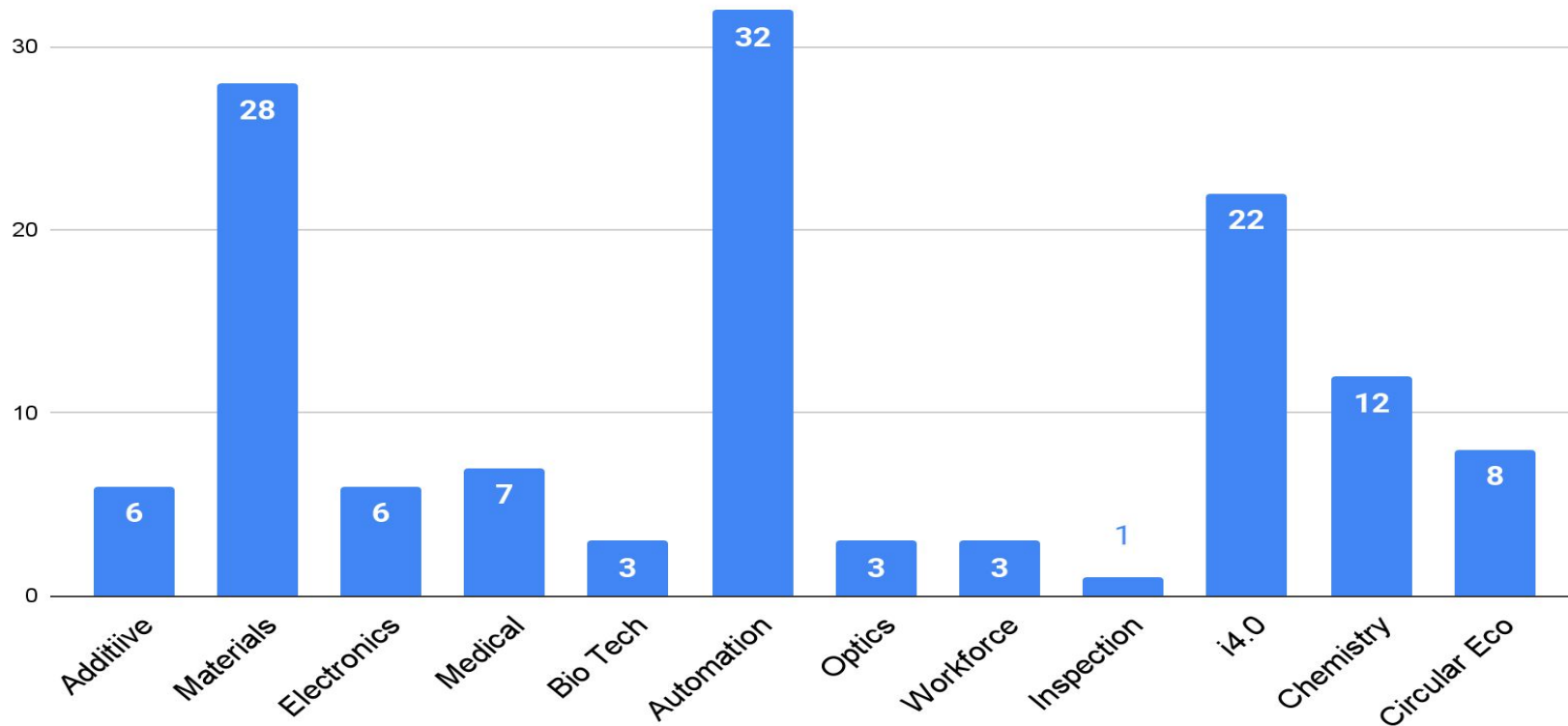


25 MEP Champions



Private Sector Vendors		Associations, Competitors, and Peers			
3D Printing Store	HawkRidge	1	2		
Union Tech					
Stratays					
Magnum Venus Products	Imitech				
				U Texas	
				America Makes	LARC-SI (soluble imide)
TN MEP		3	4	ORNL	RIT AM Print
OH MEP				RTI	NASA
NY MEP					
MEP and McKenzie Protocol				Academia / ManfUSA	

Number of Projects by Category



When to call

- 1) Access to specialized resource
- 2) Developing new products, prototyping and commercialization
- 3) Supply Chain
 - a) Changing the process or material
 - b) Bringing Tech in house (self or sub)
 - c) Struggling with resource options

Profile of a CATS Client



Manufacturing Gurus

Six Sigma Black Belt

- Wants to figure things out
- Toyota Kata
- Six Sigma Black Belts

Engineer/Tinkerer

- New Product Development
- Machine Builders
- 14.0 Leads

Executive Leader

- Sees the need for transformational change
- Addressing workforce

Sales

- Wants new markets
- Has new client requirements

Thank You...Questions?

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