



Hardware Prototyping Workshop

August 9, 2023

SUNY New Paltz

Available Resources

Eric Fasser
FuzeHub

9:30 am

NIST MEP



2022

- Interacted with 33,500+ manufacturers
- \$18.8b sales
- \$2.5b cost savings
- \$6.4b new client investments
- 116,700+ jobs created or retained



nist.gov/mep

NYMEP



Support small-to-medium manufacturers and technology companies in NY State.



\$1+ billion

**SALES, COST SAVINGS,
AND INVESTMENTS**



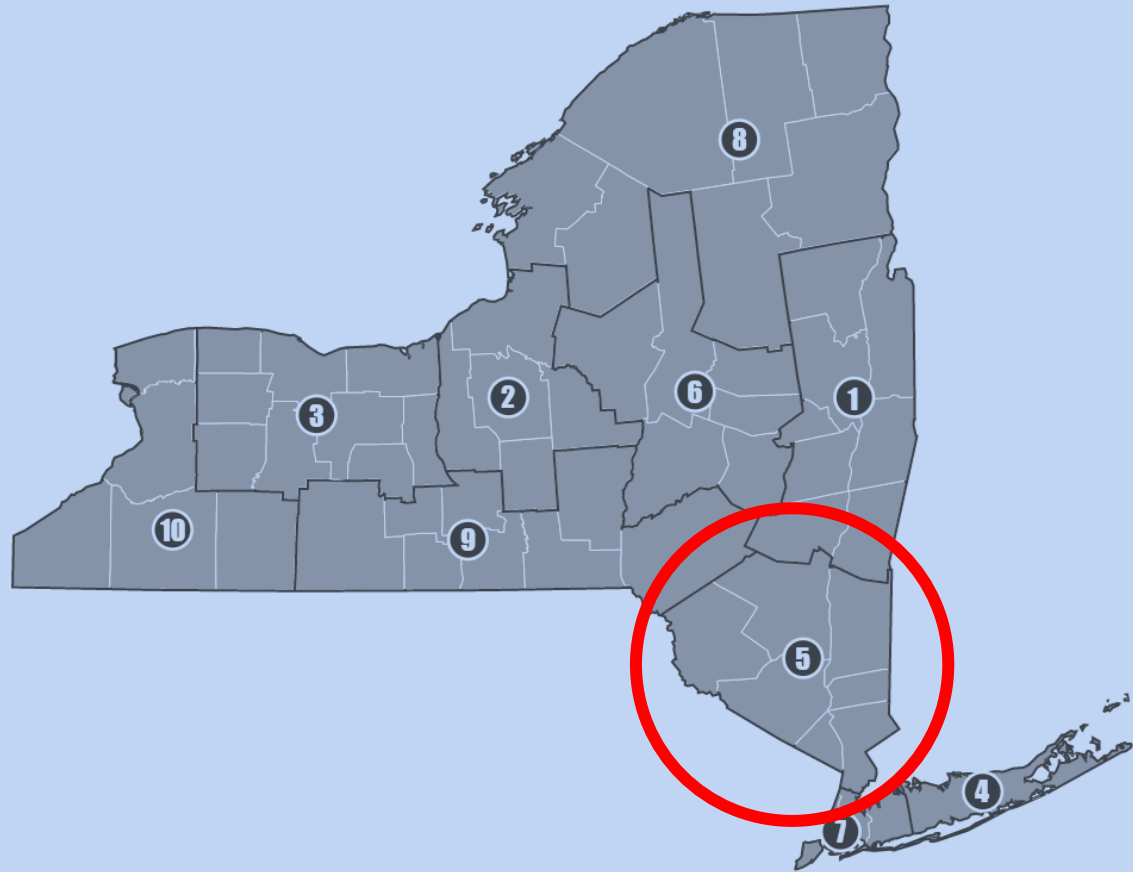
7,600+ jobs

CREATED AND RETAINED



NYMEMP

- STATEWIDE**
FuzeHub
fuzehub.com
- 1 CAPITAL REGION**
Center for Economic Growth (CEG)
ceg.org
- 2 CENTRAL NEW YORK**
Train, Develop, Optimize (TDO)
tdo.org
- 3 FINGER LAKES**
NextCorps
nextcorps.org
- 4 LONG ISLAND**
Manufacturing and Technology
Resource Consortium (MTRC)
stonybrook.edu/mtrc
- 5 MID-HUDSON**
Manufacturing & Technology
Enterprise Center (MTEC)
mfgtec.org
- 6 MOHAWK VALLEY**
Advanced Institute for
Manufacturing (AIM)
aim-mep.org
- 7 NEW YORK CITY**
Industrial & Technology
Assistance Corporation (ITAC)
itac.nyc
- 8 NORTH COUNTRY**
CITEC Business Solutions
citec.org
- 9 SOUTHERN TIER**
Alliance for Manufacturing
& Technology (AMT)
amt-mep.org
- 10 WESTERN NEW YORK**
Insyte Consulting
insyte-consulting.com



NYMEP



Find innovative solutions
to business & production problems



Connect with resources
needed for business growth



Improve economic competitiveness
& find new markets



Develop strategic plans
& form long-lasting partnerships



Improve workflow
& increase productivity



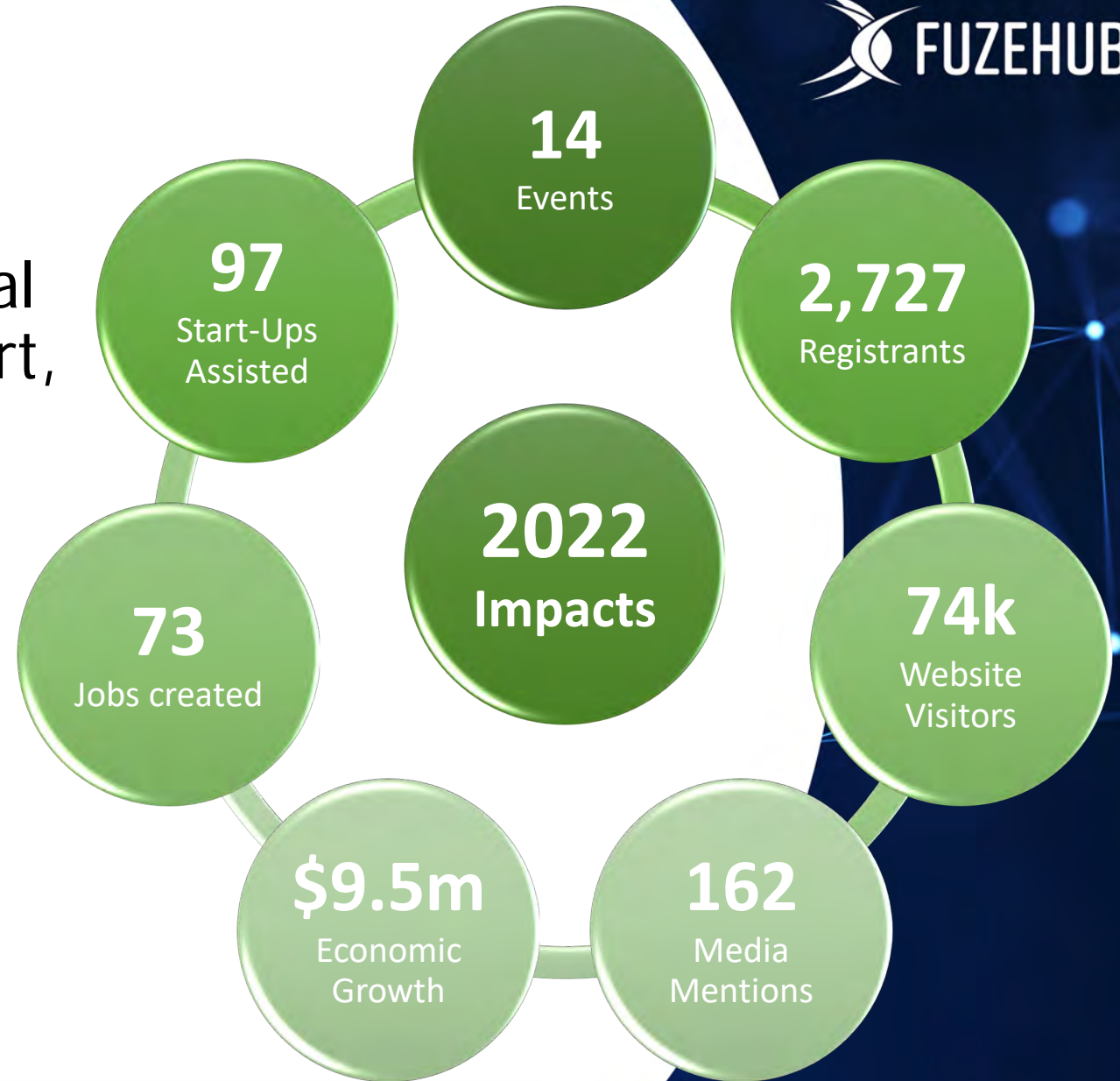
Enhance technological
& production capabilities



FuzeHub



- A one-stop resource for technical expertise, manufacturing support, funding, and market solutions.
 - Solutions Program
 - Innovation Fund
 - Marketing Solutions



Solutions Program

2022

191 Requests

52% Start-Ups

269+ Connections

Top 3 Industries:

Advanced Materials

Bio-Tech/Life Sciences

CleanTech/Renewables

TECHNICAL
EXPERTISE



GUIDED
ACCESS



ALL
GROWTH
STAGES

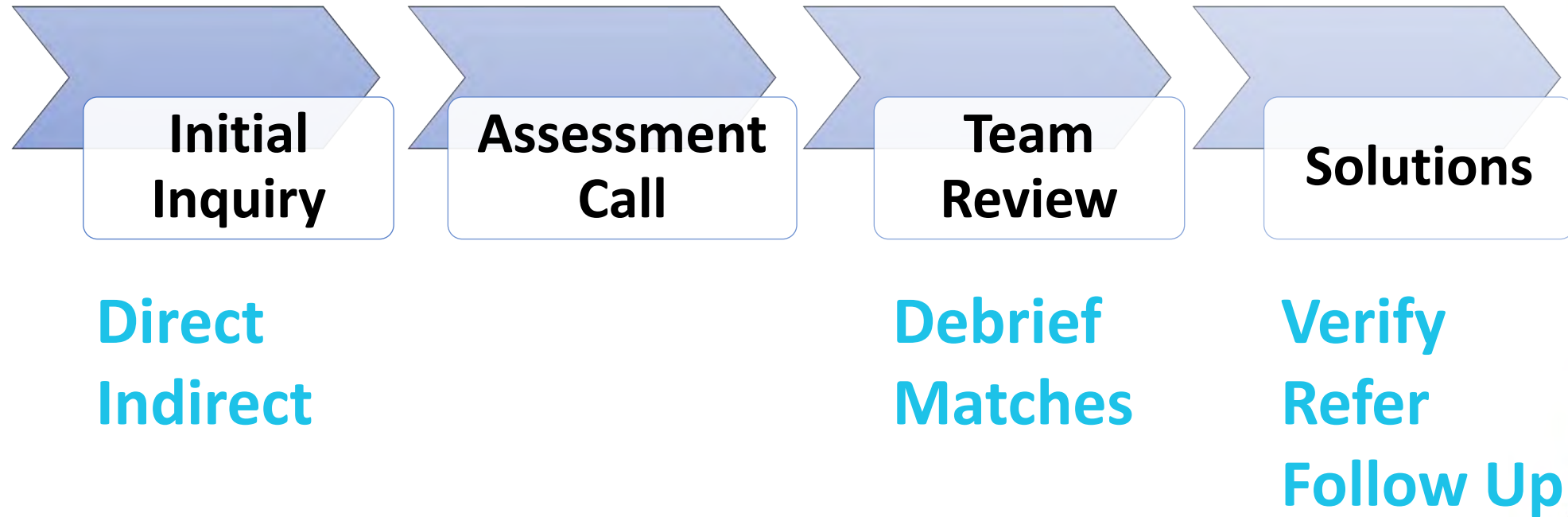


TAILORED
SOLUTIONS



Solutions Program

Process to request assistance:



NYSTAR



Division of
Science, Technology
& Innovation

A Division of Empire State Development

70+
Centers

- Centers for Advanced Technology (15)
- Centers of Excellence (14)
- Innovation Hot Spots & Incubators (30)
- Science & Technology Law Center (1)
- NY Mfg Extension Partnership (11)



Solutions Program

Case Studies



S Syracuse University
Innovation Law Center



 **CCMR**



RIT | Golisano Institute for
Sustainability



The Tech Garden
Syracuse

Solutions - Case Studies



S Syracuse University
Innovation Law Center



 CCMR



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Syracuse

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Innovation Law Center



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Innovation Law Center



RIT

**Golisano Institute for
Sustainability**



**The Tech Garden
Syracuse**

NSF I-Corps



- Customer Discovery
 - Conduct interviews with potential decision makers
 - Make better choices about product features
- Eligible to apply for national program (\$50k)
- Fall 2023 Regional Courses
 - Applications open until September 6

Review: Design for “X”

Consider your product’s design from many perspectives to optimize sales potential and profitability:

1. Customer Use / Market Acceptance
2. Manufacturability / Assembly
3. Durability / Reliability
4. Installation
5. Maintenance
6. Logistics / Packaging
7. Sustainability