

# MTEC Overview

for

## **NC Warfighter Symposium**

R&D Funding and Collaboration  
to Deliver Novel Military Medical Solutions

9 June 2022



MTEC is a government/industry enterprise delivering medical technologies to  
**PROTECT AND HEAL U.S. WARFIGHTERS.**



Defense and private sponsors provide  
**RESEARCH FUNDING.**



500+ organizations  
with technologists, researchers, and scientists compete  
individually or in project teams for opportunities to develop  
**MEDICAL TECHNOLOGY SOLUTIONS.**



MTEC is a 501(c)(3) nonprofit corporation that develops medical technologies to prevent and treat injuries and restore the health of United States military personnel and veterans.

MTEC is a public-private collaboration between the U.S. federal government (primarily DoD) and members from academic research centers, large industry leaders, small technology companies, and major medical research centers.

## MTEC OTA Benefits

MTEC offers **government**  
innovative technology **solutions.**

Government program managers get



expanded access to  
industry experts and researchers



rapid technology delivery



novel solutions to  
complex challenges

## MTEC's Basket Provision

The use of an "electronic basket" provides a means to maintain technically acceptable and reasonably priced proposals at a ready-to-award status for two years.

Any funding sponsor can access these proposals as funding becomes available without re-solicitation, thereby allowing the speedy and efficient use of future FY funding, expiring funds, or withheld appropriations.

MTEC offers **academia & industry**  
research and business **opportunities.**

Collaboration members can

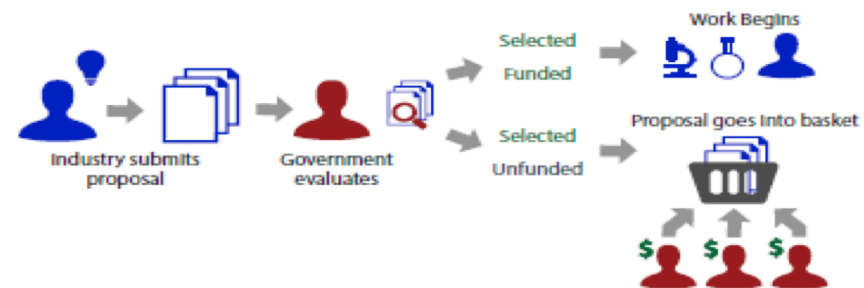
communicate openly with  
government and each other



compete for research projects



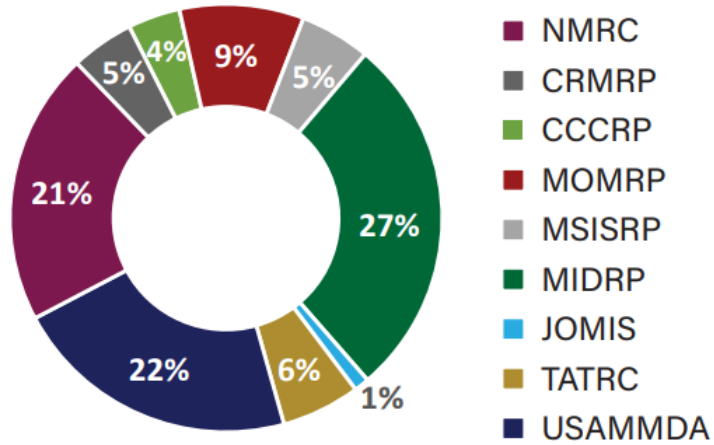
develop technology for  
federal customers



2021

## \$252 MILLION FUNDING

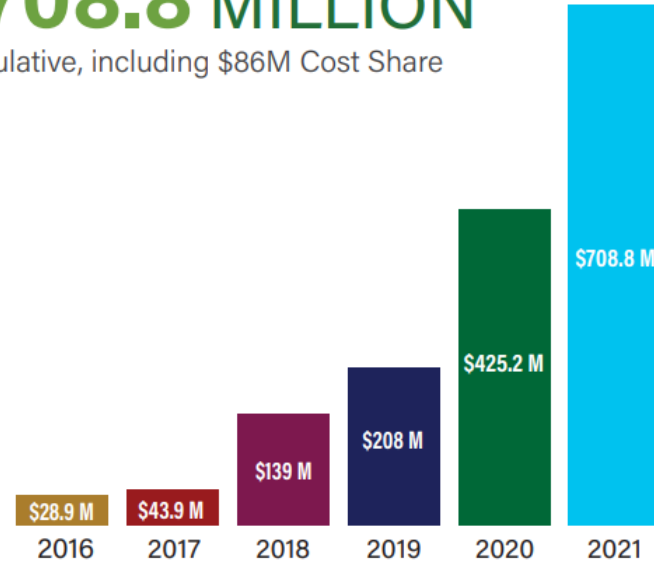
New Awards, Incremental Funding, and Follow On



Since Inception

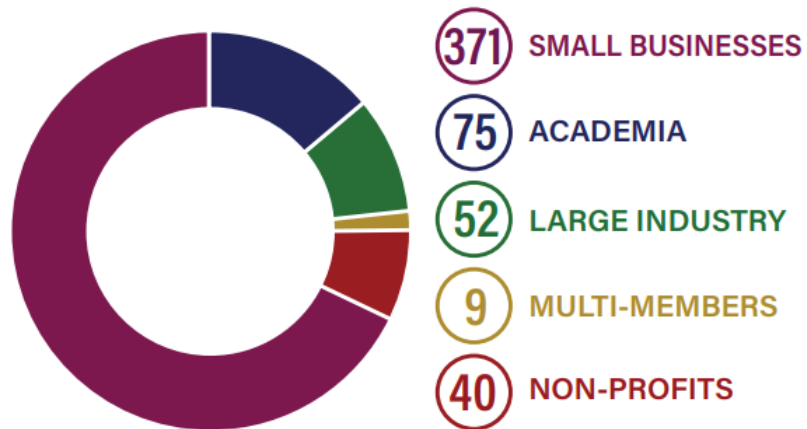
## \$708.8 MILLION

Cumulative, including \$86M Cost Share



*Over \$250M in 2021  
(Approx \$50M in covid)*

## 547 MEMBER ORGANIZATIONS



Membership Growth  
Since Inception



- Greater opportunities to team
- Growth in M-corps Service providers



2021

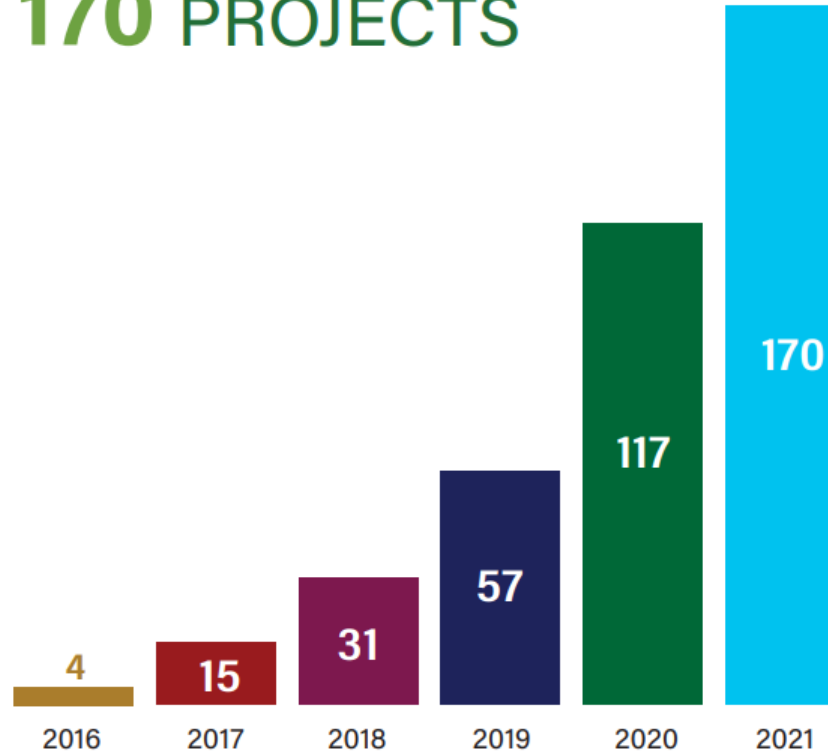
## 11 FUNDING OPPORTUNITIES

- \$.9M – Far Forward Burn Treatment
- \$4.9M – Technology in Disaster Environments
- \$9M – Comprehensive Cross-Cutting Prevention Opportunity to Decrease Harmful Behaviors and Increase Service Member Readiness and Performance
- \$20.2M – Military Prototype Advancement Initiative
  - Prolonged Field Care
  - Medical Readiness
  - Emerging Technologies
  - Maximizing Human Potential
  - Applied Medical Robotics and Machine Perception and Intelligence Systems
- \$5.8M\* – Interoperable Algorithms for Care and Treatment
- \$4.2M – Interoperable Medical Command and Control System
- \$4.9M – Interoperable Field Hospital
- \$22.5M – Navy Multi-Topic
- \$9.5M – Military-Civilian National Disaster Medical System
- \$4.6M\* – Burn Provider Education Prototype Development
- \$4M\* – Development of Oral Immunotherapy for the Prevention of Bacterial Diarrheal Disease

\*estimation, pending proposal evaluations

Since Inception

## 170 PROJECTS



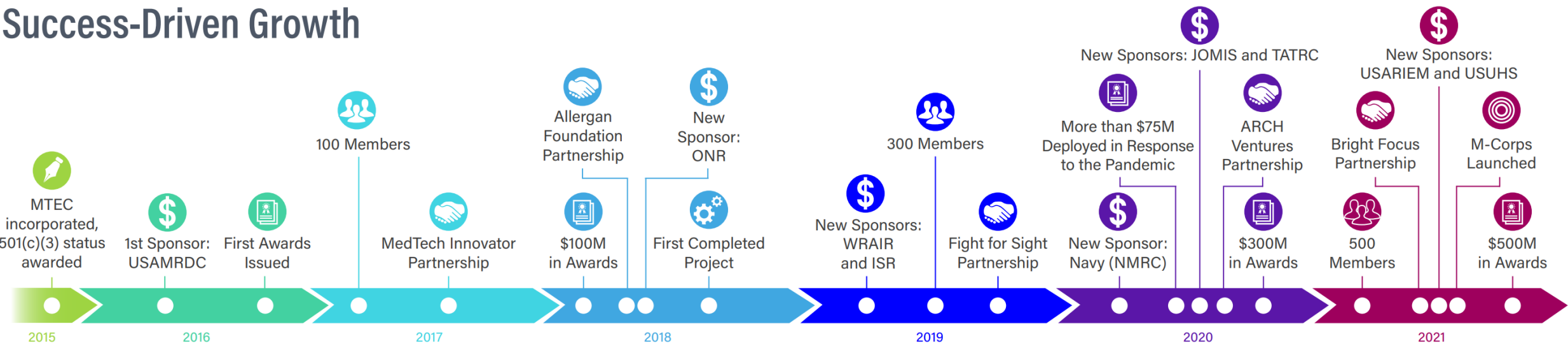
At 2021 Calendar Year's End

## 28 CLOSED-OUT PROJECTS

- **81% completed funded SOW**
- **44% secured follow-on funding**

Relatively high %  
getting follow on  
funding

# Success-Driven Growth



MTEC was formed in 2015. The program was up and running quickly. U.S. Army requirements were developed and issued, proposals were submitted by the nascent membership, and project awards were made within a year of inception. By the end of 2016, MTEC had developed four means of contracting to include solution brief. This flexibility gives industry and academia several ways to bring innovative ideas to our Government customers.

As MTEC's effectiveness was proven, new DoD sponsors chose to fund research through the program. Partnerships with Foundations and Medical Centers have also grown over time as related communities of interest have seen the value of collaborating with MTEC for greatest impact and societal benefit. See page 8 for some examples.

Membership grew steadily for 5 years as industry recognized the value and opportunities MTEC represents. Membership spiked in 2021 as a result of the launch of

MPAI, which allows members the flexibility to present ideas aligned with MTEC focus areas rather than exclusively in response to RFPs. See page 5 for more on MPAI.

Also new in 2021, M-Corps was formed to give MTEC members access to a multidisciplinary commercialization forum. Go to page 18 to learn more about this new commercialization services offering.

The 2021 MTEC webinar series offered a slate of topics

relevant to MTEC members, including How to Work with the Government, Highlights of MTEC Member Capabilities, Teaming Opportunities within MTEC, Regulatory Matters, and Cybersecurity Issues.

By 2021 Calendar Year's End, MTEC had closed out 28 projects, of which 44% had secured follow-on funding.

We look forward to continuing the strong forward momentum we have achieved. See page 27 for examples of new initiatives we will implement in 2022 and beyond.

# MTEC Network and Alliances: Foundation Relations



## **Serving Military Medical Enterprise to address unmet medical need in:**

**Brain health    Orthopedic technology    Vision    Infectious disease    Trauma Medicine    Telemedicine**

- BrightFocus: Research Funding
- American Psychiatric Association Foundation: New military PTSD and suicide prevention research mentorship track; 3 awardees and 4 mentors
- Orthopaedic Research and Education Foundation: Developing co-funded RFA for musculoskeletal research
- Vision Research Funding Partnership
- Milken Institute
- Bill & Melinda Gates Foundation
- GH (Global Health) Labs
- Association of U.S. Army (AUSA)
- Wounded Warrior Project
- Sepsis Alliance



# MTEC Network and Alliances: Industry Relations



- 23 M-Corps Partners
- 52 large industry members surveyed in Fall 2021; 15 responded
- Of survey respondents, 13 requested Spotlight webinars, 6 have corporate venture divisions, 5 have mentor-protégé programs, 1 agreed to pilot mentor-protégé with MTEC small business members
- Industry deep dives
- Conference participation and event collaboration (RESI, MedTech Innovator, BIO, BARDA, Jlabs Incubator and Blue Knight program)

## M-Corps Partners





[illegible]

- **Portfolio building:** 180 awards to date, 34 completed projects, 179 projects selected and placed in basket, 31 Commercialization grant proposals with 13 awardees, 29 Prototype Acceleration proposals with evaluations underway
- **Gap funding:** MTEC Impact Fund announced in 2021; affinity investors sought and identified; MTEC Ventures, LLC formed in April 2022; negotiations advancing for fund management alliances; \$10M seed identified, with \$25M target close in 2022
- **Development advancement:** TRL advancement, clinical testing, regulatory support, commercialization readiness support, product launch and scale



**We're here to help! Get in touch to see how you can contribute to MTEC's mission to identify, develop, and transition medical technologies.**



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