

31 July 2019

Bridging Innovation Newsletter

[View in your browser](#)

[Subscribe to this newsletter](#)



Our MISSION is to bring the nation's greatest minds and most innovative technologies – from inside and outside of MITRE – together to solve the government's hardest challenges.

By combining MITRE's whole-of-government perspective, deep technical expertise, and willingness to collaborate, we can work together to achieve maximum impact for a safer world.

Success Story

What did we do?

MITRE researchers partnered with Voxel8, a MassChallenge startup developing a 3D electronics printer, to overcome the challenge of practically manufacturing a complex antenna MITRE designed for the Navy.

The team built prototypes with the novel 3D printer and tested them in MITRE's world-class labs. They demonstrated the new antenna technology while providing technical feedback to Voxel8 on government requirements, exposing them to new markets in antennas and radio-frequency (RF) electronics.



Outcomes

- Proved the new manufacturing method for complex antennas can lead to improved performance, reduced weight, and lower cost.
- MITRE sponsors purchased multiple Voxel8 printers.
- Although Voxel8 eventually shifted focus away from printed electronics, the collaboration jumpstarted a research portfolio in additive manufacturing for antennas that has successfully transitioned to multiple government agencies.
- MITRE now hosts an annual symposium on Additive Manufacturing for Antennas to spur growth in the field and close technical gaps to meet sponsor needs for RF applications.

Left: MITRE researchers and Voxel personnel installing the Voxel 3D printer in a MITRE lab.

[Read what Jay Schnitzer, MITRE CTO, has to say on MITRE's collaboration/partnering.](#)

In the News

PEOs to churn out acquisition Banshees through training

HANSCOM AIR FORCE BASE, Mass. – Program executive offices at Hanscom established intensive, in-person training for acquisition professionals with entrepreneurs at off-base locations by working with private sector partners. Banshee is a two-week course July 16-26 in Boston designed to build fully-capable acquisition professionals by catering to multiple career fields. It will provide lessons in program management, contracting, financial management, testing, engineering ...

[Read more](#)

Announcing the 2019 Class of Techstars Starburst Space Accelerator

15 July- Techstars is excited to announce the 10 companies joining the inaugural class of the Techstars Starburst Space Accelerator in Los Angeles. Over the next three months these companies will rapidly accelerate their businesses by working closely with Techstars, Starburst, our network of expert mentors, and our formal sponsors from industry and government: NASA's Jet Propulsion Laboratory, Lockheed Martin, ...

[Read more](#)

Announcing the 10 Companies Selected for the 2019 STANLEY+Techstars Accelerator!

It's hard to believe that it's been a year since we first introduced our Techstars program in partnership with Stanley Black & Decker here in Hartford, CT. In that time, many companies from our first class, which focused solely on additive manufacturing, have already been making an impact and have gone on to expand and raise additional capital. Four are also ...

[Read more](#)

MassChallenge Report- A Decade of Impact

MassChallenge has released a report to celebrate their progress over the past 10 years and importance on removing barriers to entrepreneurship moving forward. A note from the CEO: Over the past decade, MassChallenge has played a vital role in strengthening local and global innovation economies. We have helped entrepreneurs from more than 54 countries solve some of the world's massive ...

[Read more](#)

Events

MassTLC's Tech & Innovation Conference Sept. 18

Hosted by Mass TLC Wednesday September 18th 1130 - 1700 @ Design Center, Drydock Ave, Boston Seaport With new and more sophisticated technologies being developed at such a fast pace, developers, architects, product managers, security professionals, and others in the tech

industry must parse out the most effective tools, methods, processes, and team building strategies to be successful. This one-day, ...

[Read more](#)

For more information on Bridging Innovation, go to bridge.mitre.org.

[View newsletter in your browser](#)

[Unsubscribe from Bridging Innovation
newsletter.](#)

Approved for Public Release; Distribution Unlimited. Case Number 19-0995.

Copyright 2019 The MITRE Corporation. All Rights Reserved.