



nextcorps
MANUFACTURING
ACCELERATOR

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Programs & Services

Startup
Incubation



<https://nextcorps.org/>

Tap into Rochester's Largest Resource for Startup Programming to Move Forward Faster

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OUR MISSION:

NextCorps is a non-profit helping innovative technology companies launch and grow.

OUR VISION:

Accelerate our region's transformation into a top tech hub in America.



AN AFFILIATE OF



Facility

Our facility is repeatedly named one of Rochester's coolest spaces to work. Located in Sibley Square, we're at the epicenter of the region's Innovation Zone, serving as a launchpad for startups and emerging technologies.

Explore all our facility has to offer — from open coworking space, private and group meeting areas, and offices of all sizes, to fully equipped labs where you can further develop your innovation. [Get the details here.](#)

[TAKE VIRTUAL TOUR](#)

<https://my.matterport.com/show/?m=81jzzZ6mecR>

"We're proud to be in the heart of downtown, where we can see and feel the revival of the city all around us. Rochester is poised to become a first-class city for startups."





Take steps toward commercialization using the equipment in one of our six labs.

Fabrication Lab

Many of our clients use our Fab Lab (and the help of our in-house industrial designers from BZ Design) to create three-dimensional prototypes of their product or device. Funded by a grant from the Max and Marion Farash Charitable Foundation, the Fab Lab enables founders to assess their product's usability and appeal. Use your own CAD program, develop your design on our CAD system, or tap the expertise of designers for training and assistance.

Optics & Electronics Labs

Our optics and electronics labs are staffed based on the needs of our entrepreneurs.



Wet Labs

We have four wet labs, and each has a chemical fume hood, 4 or 5 lab benches/tables, sinks, vacuum and compressed air, and combination shower / eye wash stations.

One wet lab features:

- Thermo Scientific X1R Multifuge centrifuge
- A and D scale HR-250A2
- A and D scale EJ-6100
- Hanna PH-ISE meter
- Benchmark mini mag stirrer
- Thermo Scientific Smart 2 Pure water de-ionizer
- Thermo Scientific TSX freezer -80 deg C
- So-Low laboratory freezer

Optics R&D Lab	Electronics Lab
• Three optical tables (one with active vibration isolation)	• Lambda LP-530 power supply
• Microview video measuring microscope with X and Y digital readouts	• Textronix 2465 scope
• EFD 1500XL fluid dispenser	• Textronix AFG310 function generator
• B&L stereozoom microscope	• Rigol MSO2202A-S 200MHz, 2 analog Ch Oscilloscope plus signal source
• Zygo 4" GPI phase shift interferometer and accessories	• Rigol DP832 programmable power supply
• Muller Wedel autocollimator	• Fluke 88V automotive multimeter
• Ocean Optics QEPro CCD cooled spectrometer (350-1100nm)	• Aoyue 968A+ soldering and hot air rework station
• IS Polar – polarization analyzer	• Hakko FM206 soldering and hot air rework station
• Thorlabs PM16-120 optical power meter	• (2) Aoyue 328 PCB holder/working platforms
• Thorlabs WFS40-K2 wavefront sensor	• Reflowster, reflow oven controller and toaster oven
• Filmetrics Profilm 3D optical profiler	• Aoyue AO486 solder fume extractor
• Thorlabs Cerna microscope	





Work your magic alongside 70+ startups and a team committed to your success.

NextCorps startup incubation services provide valuable support to early-stage technology companies, including mentorship, education, access to investors, and resources. Change your trajectory by becoming a member.

Membership Benefits



- Coaching, mentoring, and networking connections from NextCorps staff and Entrepreneurs-in-Residence
- Fundraising assistance: grants, angel investors, and venture capital
- Monthly lunch & learns, founder roundtable discussions, and client happy hours
- Office hours from local service providers such as lawyers, marketers, accountants, and investors
- Prototype Lab, including 3D printers, laser cutters, and tools; wet labs, and optics and electronics lab rentals available
- Digital media studio with recording equipment and editing software
- Amazon Web Services credits, a 90% discount on Hubspot for Startups, and Google Cloud for Startups
- High-speed internet access included
- Access to multiple conference rooms, kitchen/café with free coffee and flavored water, outdoor patio, game room
- Participation in NextCorps networking opportunities and events
- Access to Finger Lakes Hot Spot tax advantages
- Preferred access to other NextCorps programs and services

"Matt Foley and the Entrepreneurs-in-Residence have already built and sold businesses. Having their eyes and input through the process has helped immensely."



Ahlia Kitwana
Founder, Little Black Buddha

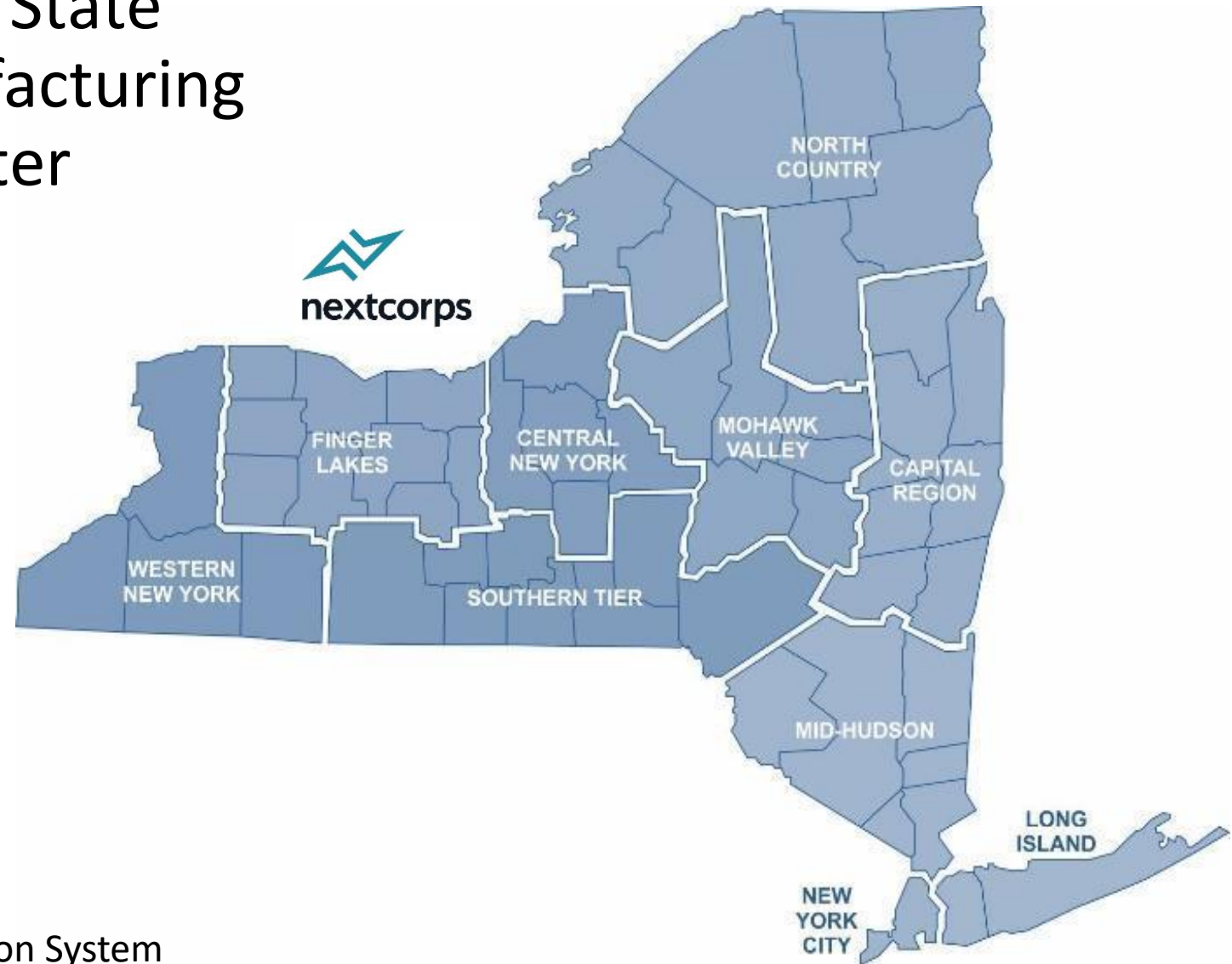


Our mentors aren't just people who provide support. They're also the creators of successful companies. They'll help you chart milestones, anticipate the unexpected, tackle challenges, and keep you on track.

NextCorps is the New York State Finger Lakes Region Manufacturing Extension Partnership Center

Example services for companies in our region
that have manufacturing NAICS codes*

- Quality systems/program design
- Lean manufacturing / Shop floor layout
- Sales programs & revenue generation
- Supply chain optimization
- Workforce training & recruiting
- Materials analysis
- And many other services to improve the competitiveness of manufacturers with 500 employees or less



*NAICS = North American Industrial Classification System

Manufacturing codes start with #'s 31, 32, 33wxyz <https://www.naics.com/six-digit-naics/?v=2017&code=31-33>



MEP • MANUFACTURING EXTENSION PARTNERSHIP

NATIONAL INSTITUTE OF
STANDARDS AND TECHNOLOGY
U.S. DEPARTMENT OF COMMERCE

- Public-private partnership with MEP Centers in all 50 states and Puerto Rico

Mission

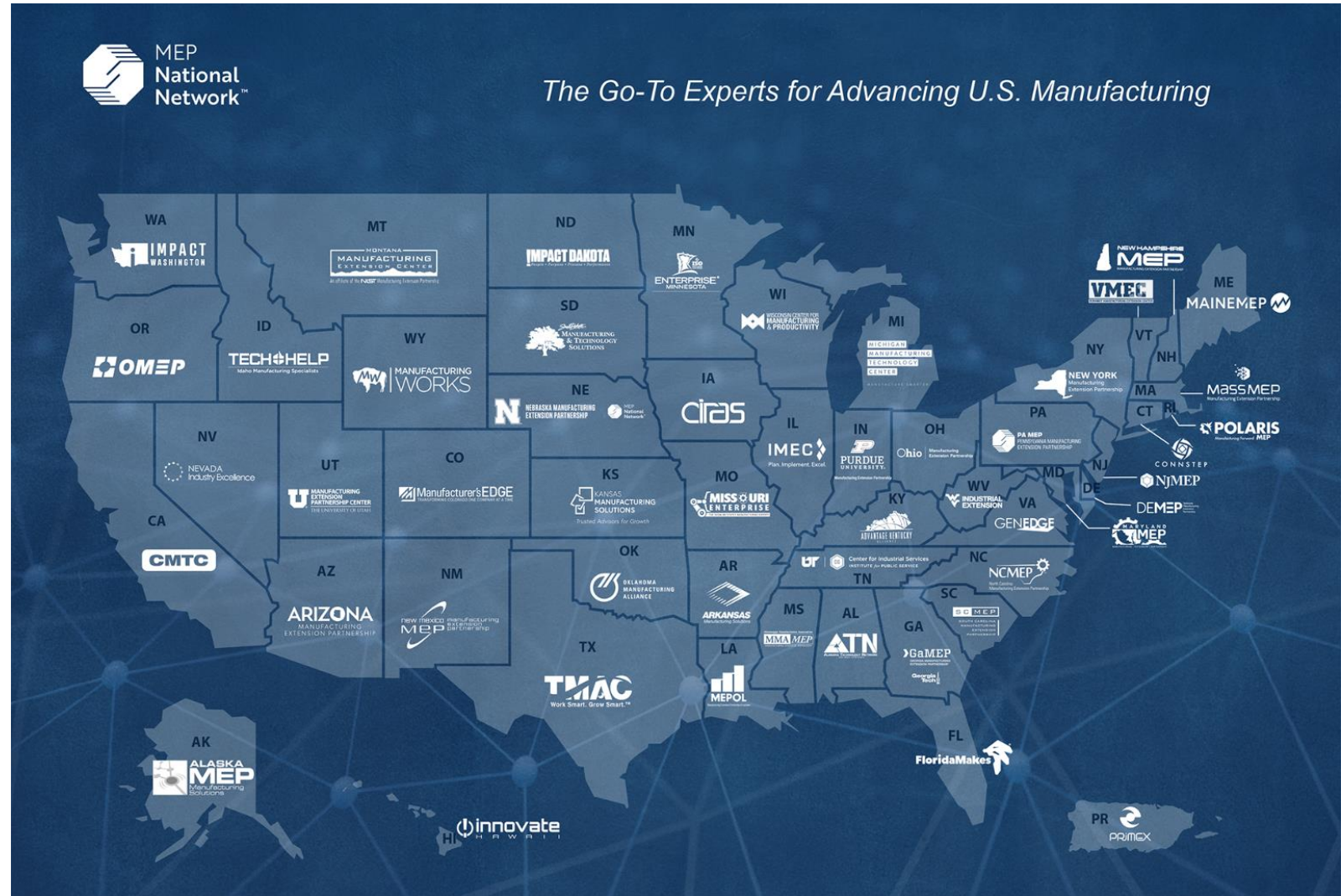
- Help small and medium-sized manufacturers grow jobs and revenue

Yearly Impact

- Works with 27,574 manufacturers leading to \$4.9 billion in new client investments and 105,748 jobs

Website

- nist.gov/mep



NextCorps Manufacturing Accelerator

Virtual Materials with Individualized Support

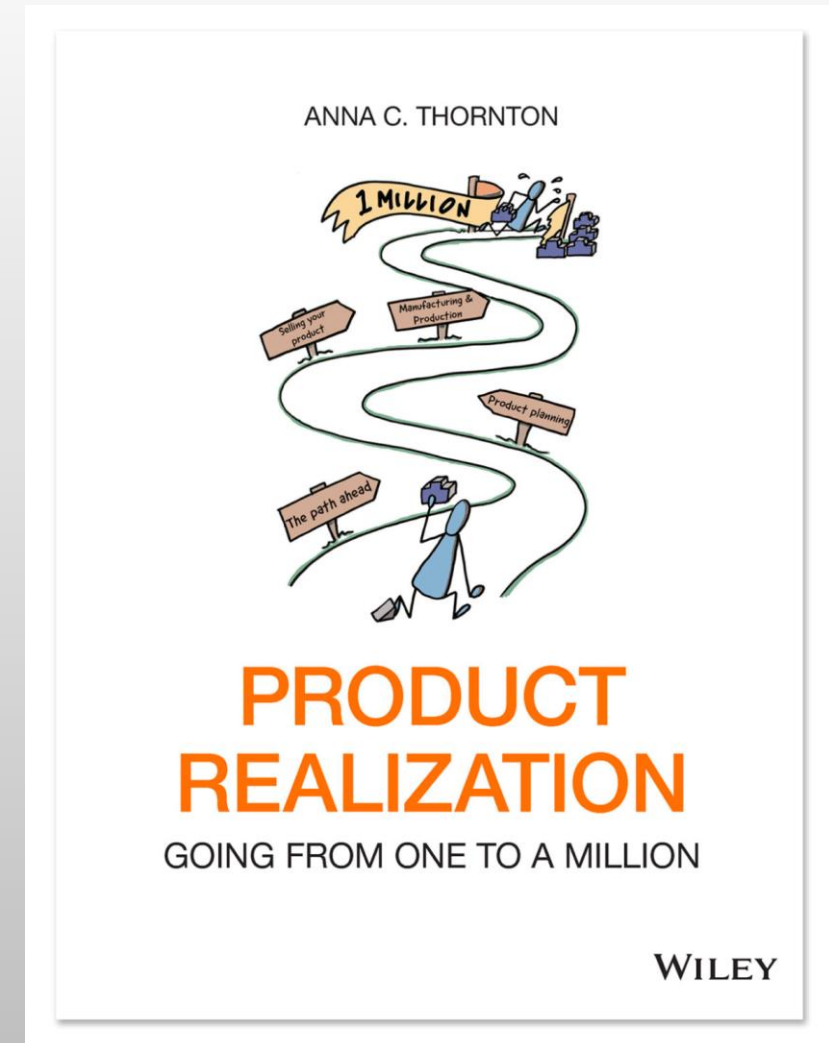


- Electronics, optics, consumer, industrial, medical and “ClimateTech” related products are all welcome
- Includes access to tools like:
 - Product Stage Assessment,
 - Detailed MRL assessment,
 - Product Requirements Document Builder,
 - Product Development Roadmap, and more

Program Content

NextCorps Manufacturing Accelerator

- U.S. Department of Defense (DoD) MRL metrics (dodmrl.com)
- Materials derived from the U.S. Department of Energy (DoE) Build4Scale curriculum (build4scale.org)
- Additional materials developed by NextCorps, RIT, and Innovation Works
- *Product Realization: Going From One to a Million* by Anna C. Thornton



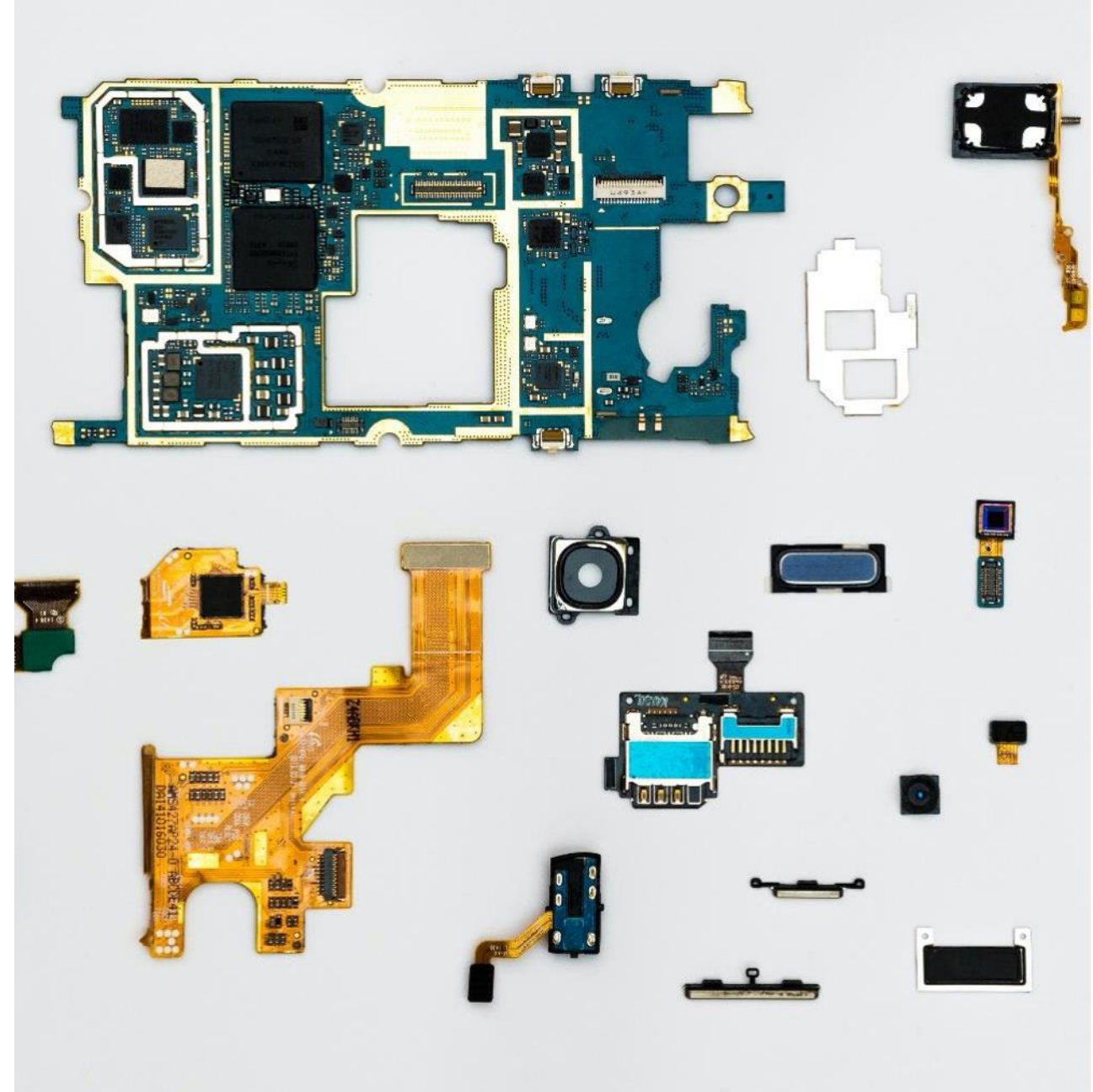
Manufacturing Readiness Level (MRL)

- Developed by the Department of Defense (DOD) to assess the maturity of manufacturing processes
- Not just for the military!

Material Solutions Analysis				Technology Development		Engineering and Manufacturing Development		Production and Deployment	Operations and Support
Basic manufacturing Implications Identified	Manufacturing Concepts Identified	Manufacturing Proof of Concept developed	Capability to produce the technology in a laboratory environment	Capability to produce prototype components in a production-relevant environment	Capability to produce a prototype system or subsystem in a production-relevant environment	Capability to produce systems, subsystems or components in a production-representative environment	Pilot line capability demonstrated. Ready to begin low-rate production	Low-rate Production demonstrated. Capability in place to begin Full-rate Production	Full-rate Production demonstrated and lean production practices in place
1	2	3	4	5	6	7	8	9	10

8-Week Curriculum

1. Product Development & Specifications
2. BOM and BOP
3. Cost and Risk Management
4. Introduction to Quality
5. Design for Manufacturing
6. Working with Manufacturers & Suppliers
7. Quality / Testing / Certifications
8. Considerations for Scale



NextCorps Program Outcomes

NextCorps Manufacturing Accelerator

- Product Requirements Documentation Builder
- Bill-Of-Materials and Bill-Of-Process Development
- Technical drawings with dimensions and tolerances
- Quality practices for in-process and finished products
- Design-For-Manufacturing (Assembly, Sustainability, etc.)
- Working with Contract Manufacturers & much more



NuNee Training Kit v1.0 *DISCONTINUED*



NuNee Training Kit v2.0 *NEW & IMPROVED*

★★★★☆ 9 reviews

\$199.95



<https://www.nuneeshop.com/>

NextCorps Program Outcomes

NextCorps Manufacturing Accelerator



Experience the Cooling Power of KHIO

KHIO is a hyper-cooling headband that uses specialized electronic plates to create a nearly instant cool surface. Worn on the forehead, KHIO provides instant relief in lieu of an ice pack.

NOTIFY ME WHEN KHIO IS AVAILABLE



NextCorps Manufacturing Accelerator

Product Stage Assessment & Notification Request for Next Accelerator Cohort



- Sign up here to get a notification when applications open for the next *Manufacturing Accelerator Program*
<https://docs.google.com/forms/d/e/1FAIpQLSfVxM3JToaQrGZmpL4pIZzRWYHMI0x-NCqmOIHGDAYqufPIrw/viewform>



- Use this link to take the *Product Stage Assessment*
<https://www.surveymonkey.com/r/WHZSNPH>