





U.S. ARMY RESEARCH, DEVELOPMENT AND ENGINEERING COMMAND

CBRNE Defense Conference and Exhibition

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A CENTURY OF CHEMICAL AND BIOLOGICAL EXPERTISE









- ECBC, now known as the U.S. Army Research, Development and Engineering Command Chemical & Biological Center, will join the Army Futures Command with the rest of RDECOM to lead innovation and modernization of the Army.
- The new name demonstrates RDECOM's unified efforts to create innovative defense technologies for our Warfighters.
- New name, with the same passionate commitment to CB defense.













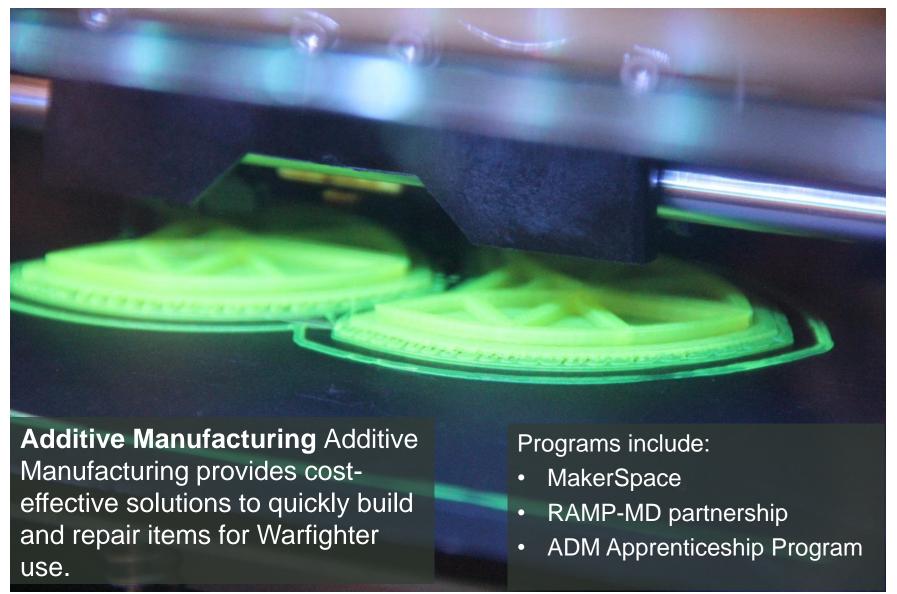












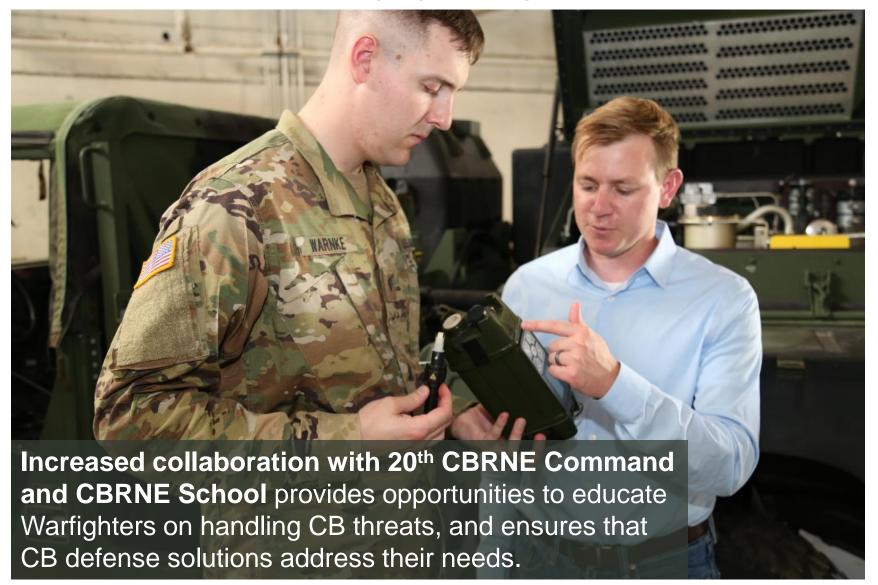


















Synthetic Biology offers the potential to unlock new types of materials by harnessing the natural abilities of living systems, such as self-assembly, sense-and-respond, and molecular-scale control and patterning.





2018

Today we are developing paper tickets embedded with cellular machinery that change color in response to a range of threats

2023

Syn Bio applications mature enough to transition to acquisition

2028

Novel syn bio systems to be incorporated into deployed systems

2038

Life-mimicking properties, such as sense-and-respond and self-healing, will start to be incorporated into deployed systems.















INDUSTRY IS A KEY PARTNER



"Engineers and scientists at Aberdeen Proving Ground are developing cutting-edge technology that can be put to broader use, benefiting our economy and our quality of life."

- Michael Gill, Maryland Commerce Secretary





INDUSTRY IS A KEY PARTNER

- Advanced Manufacturing Division
 Apprenticeship Program
- TechLinks Innovation Discovery
 Events
- Maryland Defense Technology
 Commercialization Center (DefTech)
- Cooperative Research & Development Agreement (CRADA)
- Educational Partnership Agreements
- Technology Support Agreement
- Patent License Agreement
- Army Small Business Innovation Research (SBIR)

- Chemical Biological Defense SBIR
- Army Small Business Technology Transfer (STTR)
- ECBC Broad Agency Announcement (BAA)
- Rapid Innovation Fund BAA
- Memorandum of Understanding
- Memorandum of Agreement (MOA)
- Material Transfer Agreement (MTA)
- Interagency Agreement non-DoD (IAA)
- JE-RDEP
- CWD OTA





THE NEXT CENTURY OF CHEMICAL AND BIOLOGICAL EXPERTISE







- "We are not trying to fight the last war better, we are trying to win the next one"
 - -General James C. McConville, Vice Chief of Staff of the Army
- U.S. Army Research, Development, Engineering Command Chemical & Biological Center is focused on CB technologies that deliver information faster, create equipment that is lighter, ruggedized, and can be applied quickly.





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