

DTRA's Research & Development (RD) Directorate

generates customer focused, threat informed, trusted technical solutions to deter and counter critical WMD problems for today and tomorrow.

RD executes its mission by delivering innovative solutions that meet current mission requirements in a timely manner and by anticipating and preparing for emerging and future threats with a balance of advanced technology development and fundamental & applied research across the portfolio.

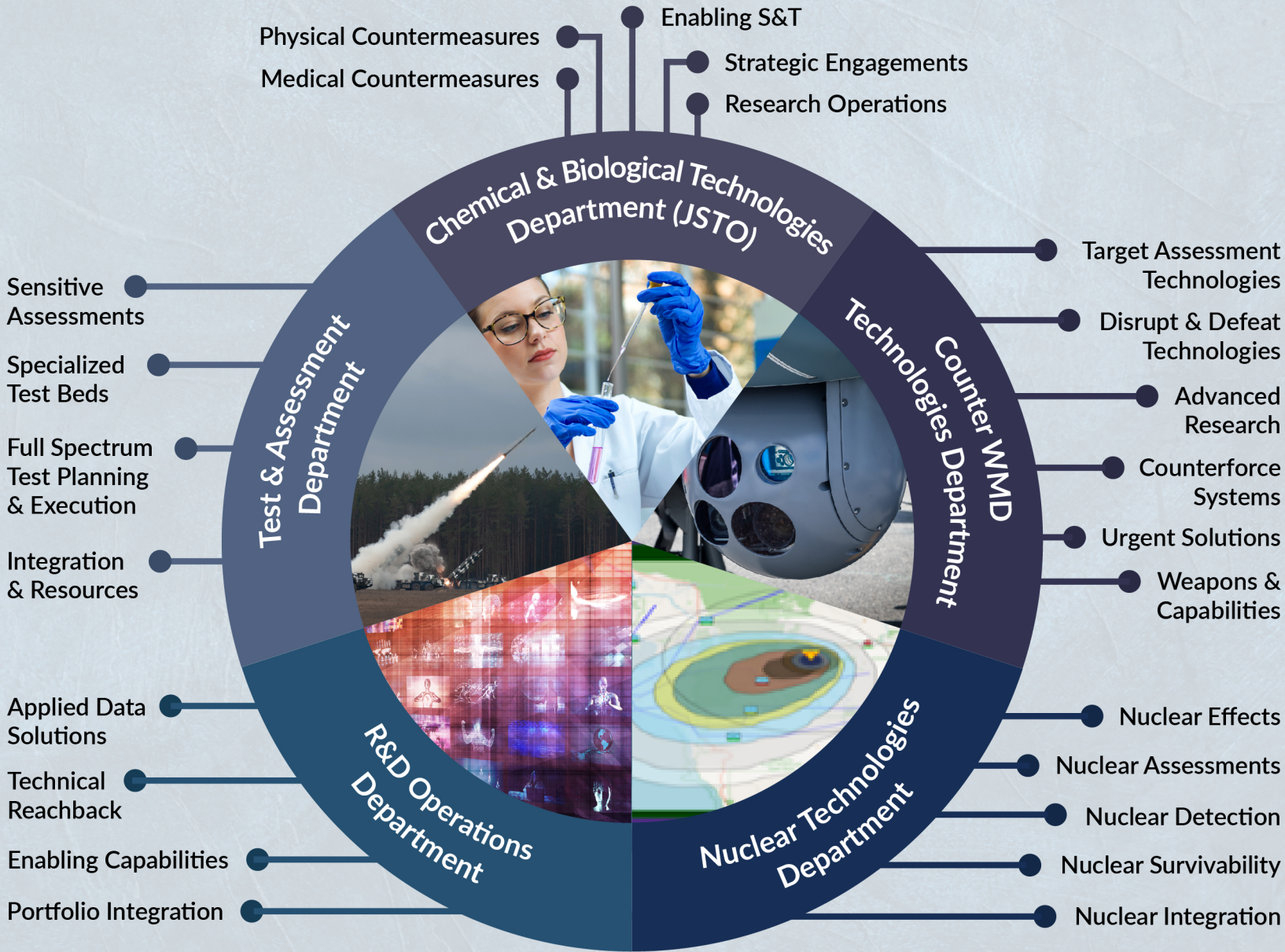


RD Footprint

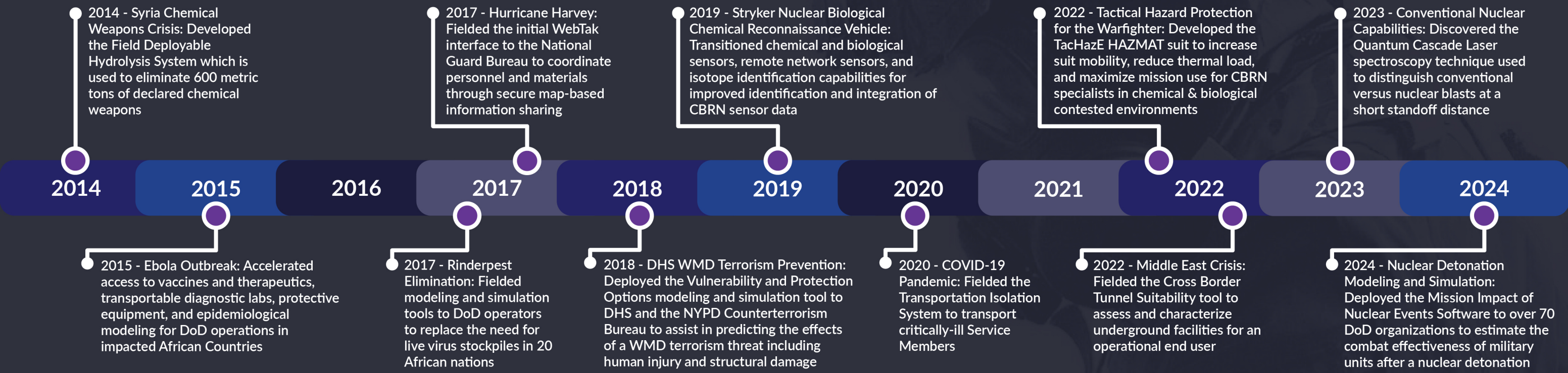


- Primary DTRA RD Locations (Fort Belvoir, VA and Kirtland AFB, NM)
- Additional Workforce Locations (West Point, NY; Las Vegas, NV; Fort Liberty, NC; and Edgewood/Aberdeen Proving Ground, MD)

RD Organization



DTRA RD Impacts



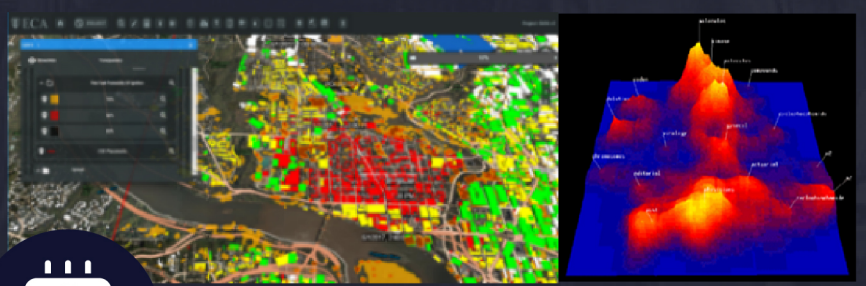
Radiation Detection Capabilities



Full-Spectrum Testbed Capabilities



Vaccine & Therapeutic Development



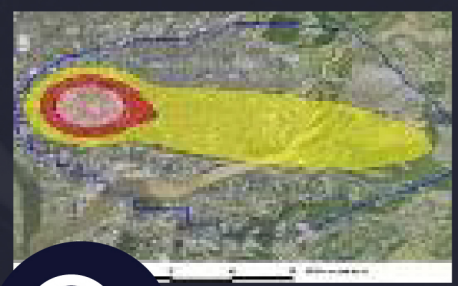
Artificial Intelligence, Machine Learning, & Data Science Software Development



Physical CBRN Protection & Detection



CBRNE Subject Matter Expertise



Hazard Modeling & Post Event Analysis Capabilities



Weapons Effects & Targeting Capabilities

DTRA RD By the Numbers



443

Military personnel and Federal Civilians



165 technologies transitioned to customers since FY 2022

2.7 Billion

CPU hours utilized at the DoD High Performance Computing Modernization Program since 2020



More than 1000



requests for Technical Reachback support each year for the Combatant Commands, Military Services, Joint Staff, OSD, Intelligence Community, and other Federal Agencies

Research and technologies utilized by over

70

DoD partners

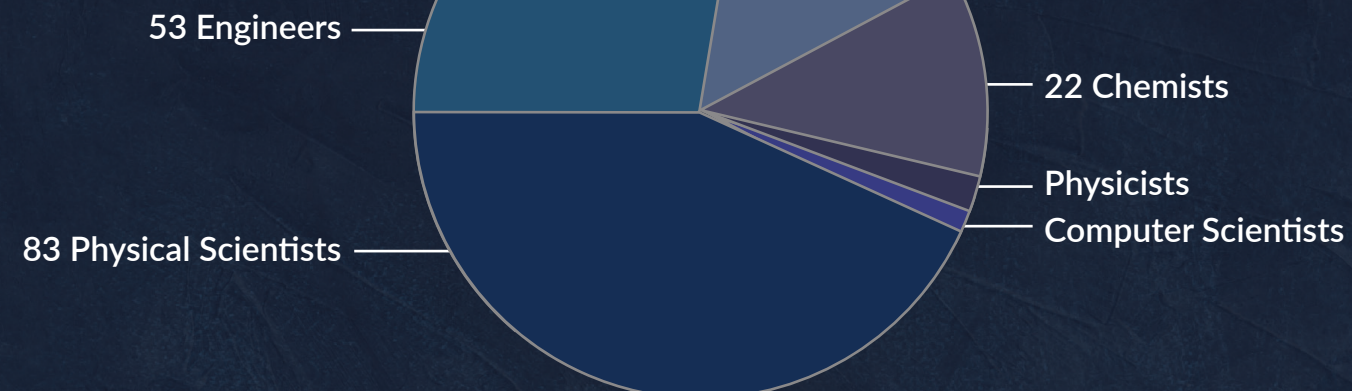


12 International Data & Information Exchange Annexes and

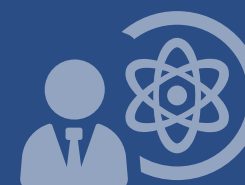
22 International Project Agreements and Task Plans



DTRA RD's Scientific Workforce (Ph.D. and P.E.):



More than 300 personnel with advanced degrees (Masters, Ph.D.s, and Professional Engineering)



12 technology awards and



40 patents earned since FY 2022

2 University Research Alliances,



149 peer-reviewed basic research articles, and

225 external presentations

90 sensitive assessments completed and over 200 formal products transitioned since FY 2020



740 technical papers and research articles published since FY 2022



625 academic, industry, and government research & engineering partners leveraged since FY 2021