

## Applications

### **Government Resources**

- DoD
  1. [Advanced Materials, Manufacturing, and Testing Information Analysis Center Quarterly](#)
  2. [Air Force Research Laboratory: Nanoscience Technologies](#)
  3. [Army Aviation and Missile Life Cycle Management Command \(AMCOM\)](#)
  4. [Army Corps of Engineers \(ACE\) Engineer Research and Development Center \(ERDC\)](#), e.g., researching various engineered nanomaterial applications (e.g., for use in camouflage coatings and to enhance the strength of construction materials)
  5. Army Medical Command (MEDCOM) [Medical Research and Material Command \(MRMC\)](#) – nanotechnology medical applications (i.e., nanomedicine, diagnostics, therapeutics, treatment, etc.).
    - [Telemedicine & Advanced Technology Research Center \(TATRC\)](#)  
  
[Nano-medicine and biomaterials](#)
    - [Congressionally Directed Medical Research Programs \(CDMRP\)](#)
    - [Combat Casualty Care Research Program \(CCCRP\)](#)  
(Research at [US Army Research Institute of Environmental Medicine \(USARIEM\)](#))
    - [Military Operational Medicine Research Program](#)
    - [Clinical and Rehabilitative Medicine \(CRM\)](#) (includes [Armed Forces Institute of Regenerative Medicine \(AFIRM\)](#))
  6. [Army Research, Development and Engineering Command \(RDECOM\)](#) - nanotechnology research and development occurring or funded by various centers or laboratories within RDECOM

- [Armament Research, Development and Engineering Center \(ARDEC\)](#)
  - [Army Research Laboratory \(ARL\)](#)
  - [Aviation & Missile Research, Development & Engineering Center \(AMRDEC\)](#)
  - [Communications-Electronics Research, Development, and Engineering Center](#)
  - [Edgewood Chemical Biological Center \(ECBC\)](#)
  - [Natick Soldier Research, Development and Research Center \(NSRDEC\)](#)
7. [Army Research Office](#), collaborates with MIT Soldier Institutes of Nanotechnologies on use of engineered nanomaterials to improve the survival of soldiers
  8. [Defense Advanced Research Projects Agency \(DARPA\)](#)
  9. [Defense Threat Reduction Agency \(DTRA\)](#)
  10. [Department of Defense Research & Engineering \(DoDR&E\) Strategic Plan, 2007](#)
  11. [Missile Defense Agency \(MDA\)](#)
  12. [Nanotechnology for Defense Conference](#)
  13. National Nanotechnology Initiative, [Supplement to the President's 2011 Budget, February 2010](#)
  14. [Naval Research Laboratory: Nanoscience and Technology](#)
  15. [Navy Bureau of Medicine and Surgery](#) - nanotechnology medical applications (i.e., nanomedicine, diagnostics, therapeutics, treatment, etc.).
    - [Naval Medical Research Center](#)
    - [Naval Health Research Center](#)
    - [Naval Medical Research Center Unit San Antonio](#)

- [Navy Medicine West](#)
- [NASA - Nanotechnology](#)
- [National Institutes of Health, Nanomedicine](#)
  - National Cancer Institute, nanotechnology and cancer
    - [http://nano.cancer.gov/resource\\_center/exploring.asp](http://nano.cancer.gov/resource_center/exploring.asp)
    - [http://ncl.cancer.gov/working\\_ncl-nano.asp](http://ncl.cancer.gov/working_ncl-nano.asp)
    - [http://nano.cancer.gov/resource\\_center/scientific\\_bibliography.asp](http://nano.cancer.gov/resource_center/scientific_bibliography.asp)
- National Nanotechnology Initiative
  - [Supplement to the President's 2011 Budget, February 2010](#)
  - [Report to the President and Congress on the Third Assessment of the National Nanotechnology Initiative](#), Executive Office of the President, President's Council of Advisors on Science and Technology, March 2010
  - [Applications/products](#)
  - [NNI Centers, Networks and Facilities](#)
  - [Nanobiotechnology](#)
  - [Nanoscience Research for Energy Needs](#)
  - [Nanotechnology-Enabled Sensing](#)

### ***External Resources***

- [American Chemical Society – Nanofocus](#)
- [The Alliance for NanoHealth, medical applications](#)
- European Commission
  - [Overview on Promising Nanomaterials for Industrial Applications](#)
- [Ion Channel Media, Nanomedicine](#)

- [The Institute for Nanoelectronics and Computing](#)
- [Meridian Institute, nanotechnology in water treatment](#)
- [MIT Soldier Institute of Nanotechnologies](#)
- [Small Times Direct](#)
- [UnderstandingNano.com](#)
- Project on Emerging Nanotechnologies at the Woodrow Wilson International Center for Scholars
  - [Inventories](#)
    - Consumer Products
    - US NanoMetro Map
    - Agriculture and Food
    - Medicine
    - Silver Nanotechnology in Commercial Products
  - [Environment and Green Nanotechnology](#)

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