



## Nanotechnology All Together. Better.

Virginia's New River Valley is filled with innovation, and that includes our strong nanotechnology cluster. The New River Valley offers an attractive business climate for nanotechnology companies, including low electric rates, excellent location, world-class research facilities, and a readily available, highly skilled workforce. The New River Valley... a place where nanotechnology thinks big.

### Nanotechnology Firms in the New River Valley:

- NanoChemonics (Pulaski, VA) – manufactures commercially available nanoparticle iron oxide for a host of applications.  
[www.nanochemonics.com](http://www.nanochemonics.com)
- Nanosafe Inc. (Blacksburg, VA) – helps organizations manage nanotechnology environmental health and safety (EHS) risks.  
[www.nanosafeinc.com](http://www.nanosafeinc.com)
- Nanosonic, Inc. (Blacksburg, VA) – develops revolutionary new molecular self-assembly processes that allow the controlled synthesis of material structure at the nanometer level and the manufacturing of new materials with designed novel and useful engineering constitutive behaviors..  
[www.nanosonic.com](http://www.nanosonic.com)
- ADA Technologies, Inc. (Blacksburg, VA) – develops broad array of products, primarily related to nanotechnology research, development and commercialization.  
[www.adatech.com](http://www.adatech.com)
- NBE Tech, LLC (Blacksburg, VA) – material (nanoTach®) solution for thermal management and high-temperature applications.  
[www.nbetech.com](http://www.nbetech.com)
- Virginia nanoTech, LLC (Blacksburg, VA) – focused on research and commercial development of a suite of related thin film nanotechnologies.  
[www.vnanot.com](http://www.vnanot.com)
- Wessex, Inc. (Blacksburg, VA) – Emisshield® Systems are ceramic nanoparticle materials with high emissivity and heat re-radiation capabilities extending over a wide temperature range up to 3,000°F.  
[www.wessexinc.com](http://www.wessexinc.com)



Home to the Nanoscale Characterization and Fabrication Laboratory (NCFL).



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### Support Services:

- Virginia Tech Institute for Critical and Applied Science (ICTAS): [www.ictas.vt.edu](http://www.ictas.vt.edu)
- ICTAS Nanoscale Characterization and Fabrication Laboratory: [www.ictas.vt.edu/ncfl](http://www.ictas.vt.edu/ncfl)
- Nano-Neuro Science Research Laboratory: <http://nanoneuro.vcom.vt.edu/>
- Atomistic Simulation Laboratory: [http://www.eng.vt.edu/research/pdf/nano-fracture\\_simulation\\_fly\\_sheet\\_6-04.pdf](http://www.eng.vt.edu/research/pdf/nano-fracture_simulation_fly_sheet_6-04.pdf)
- Innovative Particulate Materials Laboratory: <http://www.lu.mse.vt.edu/>
- Virginia Tech Material Science and Engineering: [www.mse.vt.edu](http://www.mse.vt.edu)
- Virginia Tech Nanoscale Engineering and Science: [http://www.eng.vt.edu/research/pdf/nano\\_fly\\_sheet\\_11-04.pdf](http://www.eng.vt.edu/research/pdf/nano_fly_sheet_11-04.pdf)

### Research Sponsors include (but are not limited to):

American Water Works Association Research Foundation, NSF, Virginia Water Resources Research Center, EPA, National Oceanic and Atmospheric Administration, US Department of Agriculture, Semiconductor Research Consortium, Intel Corporation, Los Alamos Labs, Bluespec Inc., NASA, Office of Naval Research, Center for Innovative Technology, Naval Surface Weapons Center, US Army Research Office, DOE, etc.

### Regional and Location Information

- + Extremely low cost of doing business (utilities, taxes, etc.)
- + Area of outstanding beauty, recreation, sports, culture, and education
- + Available, well-trained workforce with an outstanding work ethic
- + Home of Virginia Tech, Radford University, and New River Community College
- + Located on Virginia's I-81 Corridor and close to I-77 and I-64 with N,S,E,W rail lines
- + Home of the Virginia TradePort (Port of Entry #1412 and FTZ #238)



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