

# KEY INDUSTRY CLUSTERS

As one of the critical employment centers of the Merrimack Valley, Chelmsford shares a region-wide focus on several business sectors that the Merrimack Valley Economic Development Council refers to as “Smart Companies.” Together, these industry clusters continue to take advantage of the strategic location, strength of workforce, and tradition of leadership in homeland security, communication technology innovation, and biotechnology.



## Green Technology & Clean Energy

These cutting-edge businesses find an ideal mix of highly skilled, progressive-minded professionals, availability of quality and affordable housing, and reasonably priced commercial real estate. Rising energy prices are likely to fuel further growth of this cluster in Chelmsford which already has a promising base.

- **American Capital Energy:**  
Solar power systems  
[www.americancapitalenergy.com](http://www.americancapitalenergy.com)
- **Soluz:** Micropower and photovoltaics  
[www.soluzusa.com](http://www.soluzusa.com)



## Defense & Homeland Security

Defense companies have long been an important part of the economic base of Chelmsford and its neighboring communities. In a changing world, this role is just as important. The location of Chelmsford along major highways and in proximity to airports and coastal areas highlight the strategic location for this cluster.

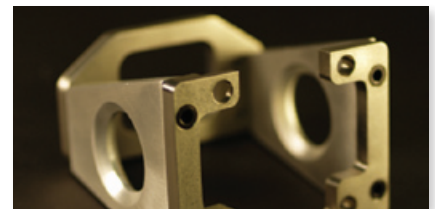
- **Goodrich Aerospace:**  
Surveillance and Reconnaissance Systems [www.goodrich.com](http://www.goodrich.com)
- **Mercury Computer Systems:**  
High-performance computer systems and software [www.mc.com](http://www.mc.com)
- **Phoenix Science & Technology:**  
Pulsed light and acoustic technology [www.phoenixsandt.com](http://www.phoenixsandt.com)
- **Schafer Corporation:** Scientific analysis and engineering solutions [www.schafercorp.com](http://www.schafercorp.com)
- **Triton Systems, Inc.:**  
Technological product development [www.tritonsys.com](http://www.tritonsys.com)



## Communications & Software

The myriad outstanding colleges and universities in the Greater Boston area serve as natural feeders for skilled workers in Chelmsford and the Merrimack Valley, particularly in the computer and engineering-related fields. Continued growth in this cluster will find a ready and able labor force.

- **Airvana:** Mobile broadband [www.airvananet.com](http://www.airvananet.com)
- **Arbor Networks:**  
network security solutions [www.arbornetworks.com](http://www.arbornetworks.com)
- **Biscom:** Fax server and software solutions [www.biscom.com](http://www.biscom.com)
- **Datawatch:** Information solutions [www.datawatch.com](http://www.datawatch.com)
- **Deskstone:** Desktop visualization platforms [www.deskstone.com](http://www.deskstone.com)
- **Hittite:** Microwave-based products [www.hittite.com](http://www.hittite.com)
- **Inspectron:** Document integrity and secure transfer [www.inspectron.com](http://www.inspectron.com)
- **Kronos:** Workforce communication and management [www.kronos.com](http://www.kronos.com)
- **PrimeArray:** Server and data storage [www.primearray.com](http://www.primearray.com)
- **Sycamore Networks:** Intelligent networking products [www.sycamorenet.com](http://www.sycamorenet.com)



## Analytical Instruments

Stemming from more than 50 industrial instrumentation companies in the Merrimack Valley, an initiative called Massachusetts Instrumentation is fueling the development of a global center for this industry in Chelmsford and its neighboring communities.

- **Brooks Automation:** Manufacturing efficiency technology [www.brooks.com](http://www.brooks.com)
- **Hardric Laboratories:** Ultraclose tolerance machining [www.hardric.com](http://www.hardric.com)
- **Lockheed Martin Microwave:**  
Microwave hybrid integrated circuits [www.lockheedmartin.com](http://www.lockheedmartin.com)
- **McPherson:** Spectroscopy instrumentation [www.mcphersoninc.com](http://www.mcphersoninc.com)
- **Opticorp:** Optical coating specialist [www.opticorp.com](http://www.opticorp.com)
- **Scientific Solutions:** Spectroscopic devices and consulting [www.sci-sol.com](http://www.sci-sol.com)

In May 2007, the Project on Emerging Nanotechnologies, an initiative of the Woodrow Wilson International Center for Scholars, ranked Middlesex – Essex counties, which includes Greater Lowell and the Town of Chelmsford, as one of the top five regions in the country for nanotechnology business, research and education clusters.

[www.nanotechproject.org/process/assets/files/5986/051707nanotechnology\\_nanometro.pdf](http://www.nanotechproject.org/process/assets/files/5986/051707nanotechnology_nanometro.pdf)