

Regional Concentration

Regional Concentration: Clusters are geographic concentrations of interconnected companies, specialized suppliers, service providers, and associated institutions in a particular field that are present in a region. Cluster development initiatives are an important new direction in economic policy, building on earlier efforts in macroeconomic stabilization, privatization, market opening, and reducing the costs of doing business.

REGIONAL EXPORT CLUSTERS	AEROSPACE & AVIATION	AEROSPACE SUPPLIERS	ELECTRONICS SUPPLIERS	ADVANCED BUSINESS SERVICES	CLEAN TECHNOLOGY
INDUSTRIAL COMPOSITION	This cluster is comprised of two distinct industries: aerospace product and parts manufacturing and air transportation and related support industries.	Aerospace suppliers are primarily comprised of fabrication of metal products manufacturing and other aerospace and aircraft parts manufacturing.	This cluster includes semiconductor and Other Electronic Component Manufacturing and Computer Systems Design and Related Services.	This cluster includes primarily Financial Investment, Legal, Accounting and other Management, Scientific, Technical, and Consulting Services.	This is an emerging cluster comprised of renewable energy related services and other clean-technologies such as energy storage, energy efficiency, smart grid, materials, etc.
REGIONAL CONCENTRATION	HIGH (2.45)	MEDIUM (1.52)	MEDIUM (1.15)	MEDIUM (1.16)	HIGH (2.83)
CURRENT EMPLOYMENT (2009)	41,863	66,940	54,323	189,602	20,249
INDUSTRY GROWTH	STABLE	DECLINING	DECLINING	GROWING	GROWING
EMPLOYMENT TREND ANALYSIS (2000-2009)	<ul style="list-style-type: none"> Air transportation declined 8% Aerospace manufacturing grew 5% 	<ul style="list-style-type: none"> Fabrication of metal products manufacturing declined 34% Since 2001, 30% of the jobs have been lost in this sector, nationally. 	<ul style="list-style-type: none"> 22% decline in Semiconductor and Other Electronic Component Manufacturing 40% growth in Computer Systems Design and Related Services. 	<ul style="list-style-type: none"> 25% employment growth (2001-2007) Peak employment was 205,000 7.8% decline since start of the 2007 recession. 	<ul style="list-style-type: none"> Semiconductor and standard manufacturing is driving negative growth overall. Recent renewable energy firms locating to the region is driving growth and transformation.
ANALYSIS	<p>Aerospace</p> <ul style="list-style-type: none"> Stable and growing DoD spending (10-12 billion annually between 2007-2009) has supported this cluster. Changes in Federal policies, Defense procurement and R&D cuts pose a potential threat. <p>Aviation</p> <ul style="list-style-type: none"> Airline industry has been affected by weak demand for air travel. Other factors affecting the industry include industry consolidation, weak consumer spending. 	<ul style="list-style-type: none"> Defense cuts could lead to further declines in aerospace suppliers. Aerospace demand is critical to reversing negative trend. Other driving factors include international competition and global outsourcing. 	<ul style="list-style-type: none"> Overall decline of local and national metal fabrication manufacturing and semiconductor industry. Other factors include international competition and global outsourcing. Intel investments solidify region's competitive position in electronics and high-tech manufacturing. 	<ul style="list-style-type: none"> Housing and financial crises weakened demand for credit and financial related services. Skilled workforce, cost competitive real estate options and quality of life factors will continue drive region's competitive position for advanced business services. 	<ul style="list-style-type: none"> High regional concentration well positions the region to grow clean-tech cluster. Since 2009, 14 headquarters and manufacturing operations located in the region, potentially creating over 6,600 jobs, and investing more than \$1.87 billion in capital. National and global growth of renewable energy, clean-technologies will continue to drive local growth. Federal and state energy policies & regulations will drive demand. Region's competencies in semiconductor and high-tech manufacturing support clean-tech industries.