



**Education & Workforce Point Paper**  
**The California Innovation Corridor**  
**Building A Better Tomorrow Through Collaboration Today**

“Rising Above the Gathering Storm” brought national attention to the issues of global competitiveness facing the United States. The report concludes that “Without a renewed effort to bolster the foundation of our competitiveness, we can expect to lose our privileged position.

In response to the challenge, CSA and our 42 funded partners across 13 counties have initiated a transformative vision: Integration of education, workforce and economic development systems/innovation strategies across the California Innovation Corridor to drive transformation and maintain global competitiveness. Following are the key initiatives and a sampling of the projects under taken:

**Innovation and Entrepreneurial Support**

• **Innovation-Driven Economic Development Model**

Creation of a model which features an “innovation support” methodology to be used as a resource tool for economic development and workforce professionals interested in leveraging regional innovation assets through innovator skill-building, technology commercialization and entrepreneurship growth. The multi-part guidebook contains templates and step by step guidance to assist economic development and workforce professionals to understand how their roles are changing in a knowledge based global economy. The model establishes the foundation for regions to better understand the types of jobs and workforce training necessary to enable companies to effectively compete in the global economy. Integrated with other innovation focused projects, the innovation-driven economic development model aligns with the innovation economic development toolkit where products of other Corridor projects will be placed.

• **Innovation Economic Development Toolkit**

- “Responding to Global Challenges” - Global Benchmark Case Studies – 7 case studies from around the world identifying what is driving innovation and economic
- The Innovation Network Roundtable - held 4/5/07 - key Bay Area innovators and thought leaders provided insight and content for the Innovation Driven Economic Development Model.
- Venture Communities - Local investment forums scheduled in Santa Cruz, San Luis Obispo, and San Bernardino to connect entrepreneurs with local and regional angel investors.
- International business matchmaking program
- Innovation Asset Mapping Inventory on the Connectory.com web portal

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## **Talent Development for the 21<sup>st</sup> Century**

### **Workforce Investment Boards Toolkit**

- *Racing for the Future* WIB (Workforce Investment Board) Toolkit identifies the new potential roles for WIBS (with case studies to help articulate): Convener, Workforce Intelligence, Broker, and Community Voice, and how the WIBs can advance and advocate for proactive strategies for local and regional innovation and talent development. Elements include “skill requirements for the 21<sup>st</sup> Century” and Information/Resources. The California Education and Workforce Institute (CSEWI) is providing space/aerospace industry input to ensure that the toolkit is industry driven.

## **STEM (Science, Technology, Engineering & Math) Collaborative Action Plan-STEMCAP**

- Development of a collaboration and a strategic action plan to increase the number and support the development of STEM students, graduates, teachers, professors and mentors, leveraging resources and efforts of education, academia (K-20, public and private), industry and the informal science network
- Getting ALL the key stakeholders to participate including representatives from industry, UC, CSU, Community Colleges, K-12, State Superintendent of Public Instruction and informal science
- Advisory group coordinating inputs from 22 focus groups being targeted for stakeholder inputs
- Six demonstration projects in regional collaboratives across the Corridor
- Development of a national web-based STEM Inventory

## **Industrial Rejuvenation/Supply Chain Competitiveness - Smart Suppliers Initiative -**

- **To address the competitiveness of aerospace suppliers cross the State**
  - More than 50% of U.S. aerospace suppliers are located in California (AIA Aerospace Statistics – 2004)
  - Boeing alone has 30,000 California-based jobs equating to \$46.7 Mil in taxes supporting over 6,000 suppliers across 35 counties across the State (CA Manufacturers & Technology Assn.)
- **Characterization of Supply Chain Transformation and Identification of Priority Supplier Training Target Areas**
  - Developed Supply Chain Industry Advisory Group comprised of industry representatives from prime contractors and sub-tier suppliers
  - A forum focused on changes in the supply chain with increased capabilities being required of suppliers
- **Common Learning Outcomes across the Supply Chain Provider Network**
  - Development of the Supply Chain Transformation Survey distributed to over 8,000 California aerospace suppliers
    - Data being compiled and analyzed with final results available in Qtr2-2008
  - Supplier Forum focused on four key issues
    - Common Industry Requirements
    - Industry Realities of Collaboration
    - Industry Success in Prime-Supplier Teams
    - Industry Success via Leveraged Resources
  - Computer simulation/case study regarding impact of information flow across a small supply chain