



# Pikes Peak Region Hi-Tech/Mfg Industry

## A Perspective of the Past, Present & Future

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**CAMT** COLORADO ASSOCIATION  
FOR MANUFACTURING AND TECHNOLOGY

## **Pikes Peak Region – The 1950's & 1960's**

- ❑ **COS heritage includes a host of high-tech mfg co's that were part of our landscape in the '50's & '60's**

**AMI/Eaglerock Aircraft, Ampex, Alexander Film, Clifton Precision, Ford Aerospace, Hewlett Packard, Joy Mfg., Kaman Sciences, Looart Press, Pioneer Astro Industries, Timken, TRW, Western Forge ... and more**

- ❑ **During the late '60's and into the '70's COS started to experience what would become record growth in the high-tech industry, due to**

**Low cost of living, climate, infrastructure, multiple existing military installations, presence of several major manufacturing companies, strong highly-skilled workforce & local academic institutions**

## **Pikes Peak Region – The 1970's & 1980's**

- ❑ **This period earned the CO Front Range, and in particular COS, the reputation of “Silicon Mountain”**
- ❑ **The 1<sup>st</sup> influx of major corporate activities started**  
**Digital Equipment Corp, Data General, Texas Instruments, INMOS, Mostek, Honeywell, Enresco/Butler, Axelson, Ford Microelectronics, Applied Loral Command & Control, Magnetics Corp., Cray Computer, NCR, Schlage Lock, Woodford Mfg, Texas Instruments ... and more!**
- ❑ **Technological revolutions emerged, entrepreneurial spirit was high & many new local start-up's evolved**  
**LMSI, OSI, OptoTech, Omnipoint, US Wireless Data, Spectranetics, Astex, Forte Networks, IP Automation, Superflow Corp., MAXCOR, Howland Machine, Micro Metals, Ramtron**

## Pikes Peak Region – The 1990's & 2000's

- ❑ In come the trade-winds of change for global market expansion, the transitions starts for numerous M&A's

AMI/Advance-Ross/Goodrich, DEC/Compaq/Quantum/Seagate, HP/Agilent, Loral/Lockheed-Martin, Ford Microelectronics/Intel, Honeywell/Atmel, Omnipoint, Texas Instruments, Superflow Corp., Joy Mfg, Ampex, LMSI/Plasmon, Astex/MKS, Eagle-Picher/Electro-Energy, Aeroflex, Empak/Entegris, Adaptec/Eurologic/Newisys, Rockwell/Intel, Data General/Apple Computer/Sanmina-SCI, TRW, Timken, Schlage/IRCO, Cray/SRC, NCR/Symbios, US Filter/Siemens

- ❑ COS starts to loose some of the critical ingredients for economic growth & workforce development

COS EDC vision changes, PPCC AS technology & apprentice programs dissolved, Colorado Tech College /CTU transformation starts

## **Pikes Peak Region – 2010 & Presently**

- ❑ **The US economy continues to tank, global markets start to collapse, we keep losing more jobs in COS**
- ❑ **Alternative/Renewable Energy (ARE) is the now the new area of opportunity for high-tech manufacturing**
- ❑ **Pueblo & NoCO Cities are prepared & experience job growth – competition heats up, COS falls behind!**
- ❑ **The US Trade Deficit is at an all time high & China continues to manipulate currency – US economy stalls**
- ❑ **Our machining & fabrication shop population has been significantly reduced & good help is hard to find**

## **Pikes Peak Region – Our Future**

- ❑ **2011 brought in big changes for CO & COS; perhaps an opportunity to start making some more “changes”**
- ❑ **COS currently has a black hole for undergraduate programs in the areas of applied sciences/technology & vocational/apprentice programs for local industry**
- ❑ **It’s certainly not the same case in Europe & Asia!**
- ❑ **COS junior & senior high schools no longer teach “shop classes”, also a nationwide problem**
- ❑ **We need to rebuild the academic resources in COS that help to serve as highways to our economic future!**

## Pikes Peak Region – Current Initiatives

### ❑ SoCO Manufacturing Collaborative

CDLE/PCC/CAMT program for aligning Colorado Springs & Pueblo mfg companies as a Regional Innovation Cluster (RIC)

### ❑ SoCO Manufacturing Innovation Center (aka MCOE)

CDLE/PCC/CAMT program for the development of a regional center of excellence for the advancement of manufacturing & technology

### ❑ Veterans Initiative Nat'l Sustainability Program

PEDCo/PCC program for Advanced Cold Spray Technology

### ❑ SoCO Business Partnership

A multi-community partner organization working collectively in the pursuit of regional economic betterment .

## Colorado State – Current Initiatives

### ❑ Colorado Blueprint – Advancing Colorado

CO OEDIT's bottom-up approach to economic development

### ❑ Colorado Supplier Asset Map

OEDIT/CAMT program for an on-line, statewide High-Tech Industry Database for CO supply chain management & economic development

### ❑ ACE (Aerospace & Clean Energy) Park

CAMT/NASA/NREL public/private partnership for the development of a state-wide ACE regional innovation cluster located in Loveland, CO

### ❑ Buy American - Supplier Scouting

A NIST/MEP CAMT program for bringing DOD, DOE & DOT new biz opportunities to CO Veteran Owned Small Businesses

# **Manufacturing & Technology Initiatives Key Contact Reference List**

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## For Further Information:

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