



Colorado: A Global Leader In Aerospace

Vicky Lea

Director Aerospace & Aviation

Metro Denver Economic Development Corp./Colorado Space Coalition



COLORADO SPACE COALITION

A MILE CLOSER TO SPACE

MISSION

To grow Colorado
as a center of excellence
for space

STRUCTURE

Industry affiliate
of the Metro Denver
Economic Development Corp.



MEMBERSHIP

Aerospace companies,
suppliers, education &
research institutions,
economic development orgs

LEADERSHIP



Colorado Lt. Gov.
Dianne Primavera

Michael Gass



Dr. Ron Sega



**Business Attraction
& Retention**



Legislative Advocacy



Marketing & Promotion



**COLORADO
SPACE COALITION**

A M I L E C L O S E R T O S P A C E



COLORADO AEROSPACE CLUSTER DEFINITION

19, six-digit North American Industry Classification System codes:

- Search, detection, and navigation instrument manufacturing
- Guided missile & space vehicle manufacturing
- Satellite telecommunications
- Research & Development

We excel in developing:

- **Launch Vehicles**
- **Spacecraft**
- **Satellites**
- **Optical instruments**
- **Sensors**

We are a leader in:

- **Mission Support**
- **Ground Control**
- **Navigation and Detection instruments**
- **Remote sensing**
- **Geospatial data collection & analysis**

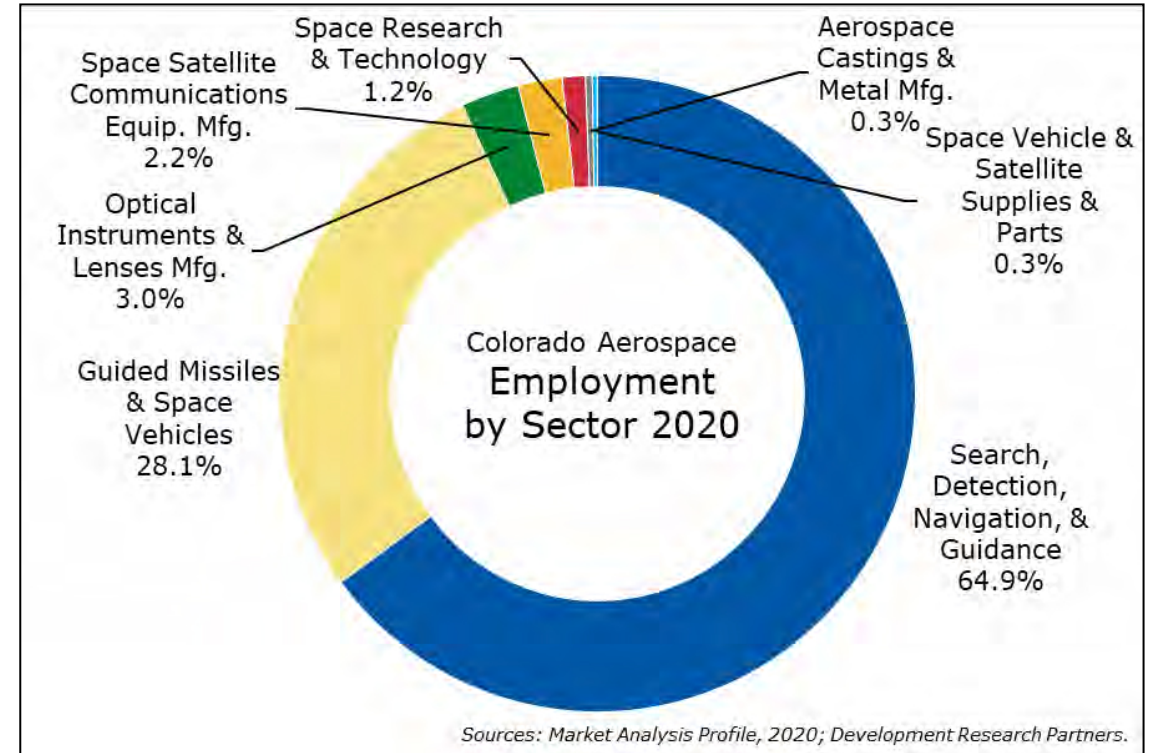
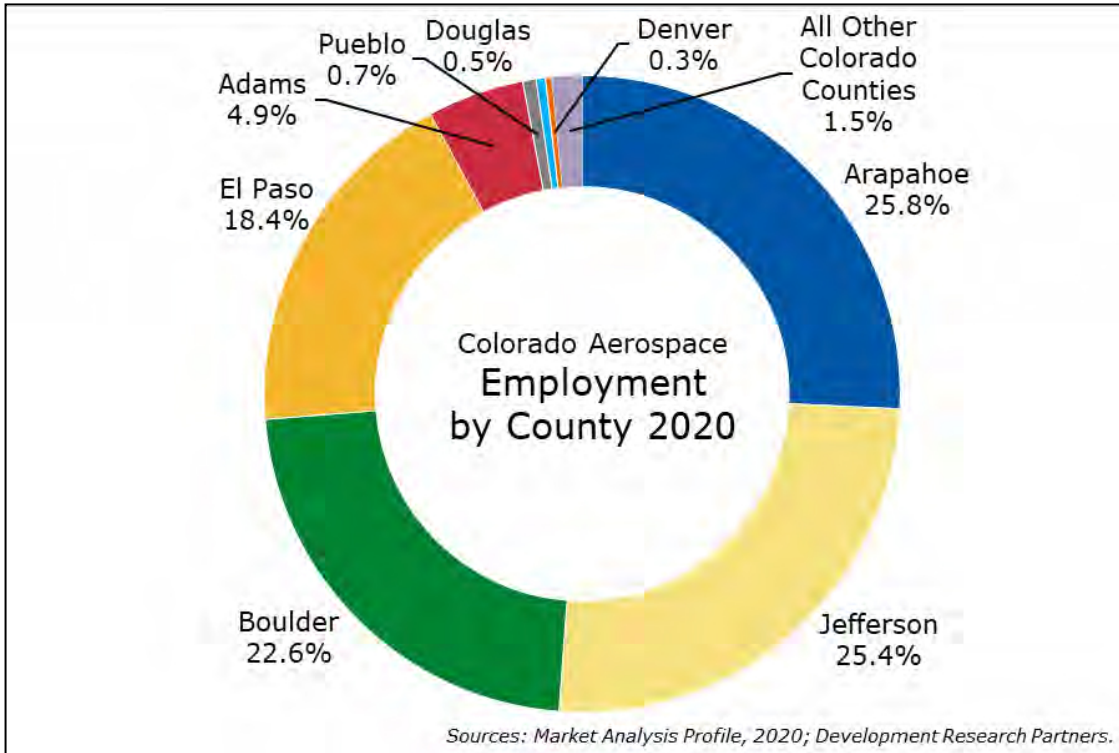


2020 Colorado Private Aerospace Employment Growth

	COLORADO	UNITED STATES
Direct Employment, 2020	33,460	384,270
Direct Employment Growth 2019-2020	10%	3.7%
Five Year Direct Employment Growth, 2015-2020	30.1%	18.4%
Direct Employment Concentration	1.1%	0.2%



COLORADO PRIVATE AEROSPACE EMPLOYMENT



COLORADO PRIVATE AEROSPACE EMPLOYMENT

In 2020:

- **Colorado ranked first in the nation for concentration of private aerospace employment.**
- **Colorado's aerospace cluster ranked second in total private sector employment.**
- **Fastest-growing industry cluster in Metro Denver region.**

2020 Colorado Aerospace Company Growth

- **290** Direct Aerospace Companies
- **63%** \leq 10 Employees
- **232,610** Direct & Indirect Employment
Supported by Aerospace Cluster





AEROSPACE



Raytheon

500+
SPACE-RELATED COMPANIES
& SUPPLIERS



MAXAR





AEROSPACE



MOOG

YORK

THRIVING HUB OF SMALL SATELLITE TECHNOLOGY AND DEVELOPMENT



TENDEG



PLANETiQ



EXOTERRA





SPACE-RELATED EDUCATION & RESEARCH ASSETS

- 2nd most highly educated state
- The University of Colorado & Colorado School of Mines
- CU Boulder's Laboratory for Atmospheric and Space Physics (LASP)
- Colorado State University's Dept. of Atmospheric Science
- Metropolitan State University of Denver
- U.S. Air Force Academy
- The National Oceanic and Atmospheric Administration, and University Corporation for Atmospheric Research



AT THE CENTER OF MILITARY SPACE

Four Military Commands:

- United States Space Command
- U.S. Army Space and Missile Defense Command/U.S. Army Forces Strategic Command
- North American Aerospace Defense Command
- U.S. Northern Command

Three Space-Oriented Military Bases:

- Buckley Space Force Base
- Peterson Space Force Base
- Schriever Space Force Base



AEROSPACE



COLORADO AIR AND SPACE PORT

- In 2018, Colorado Air and Space Port (formerly the Front Range Airport) received its site operator license, a major step forward in establishing a spaceport.
- Plans include an aerospace and technology park to support commercial opportunities; including research and development, testing and evaluation, manufacturing, crew training, scientific research, suborbital flight, and point-to-point travel.



ADVOCACY FOR THE AEROSPACE INDUSTRY



- State-appointed Aerospace & Defense Industry Champion.
- Colorado Lt. Governor Dianne Primavera National Vice Chair of the Aerospace States Association.
- Bi-partisan Aerospace & Defense Industry Caucus in the State Legislature.
- Robust and collaborative industry association network.

Support for Colorado Aerospace Companies



COLORADO
Office of Economic Development
& International Trade

Advanced Industries Accelerator Grant Program

Program Objectives

- Drive innovation and foster entrepreneurship
- Support technologies that cross multiple sectors
- Accelerate commercialization
- Encourage public-private partnerships
- Increase access to early stage capital
- Increase exports

Aerospace Awards

- ~\$15M in grants funded
- Close to 60 projects funded

Early Stage Capital and Retention Grant

- <\$20 Million total in non-revenue funding
- <\$10 Million in annual revenue
- HQ or 50% of employees in CO
- Proof of Concept (\$150k max); ESCR (\$250k max)
- 2 cycles/year

Contact: Rama Haris

Advanced Industries Grant Manager
rama.haris@state.co.us

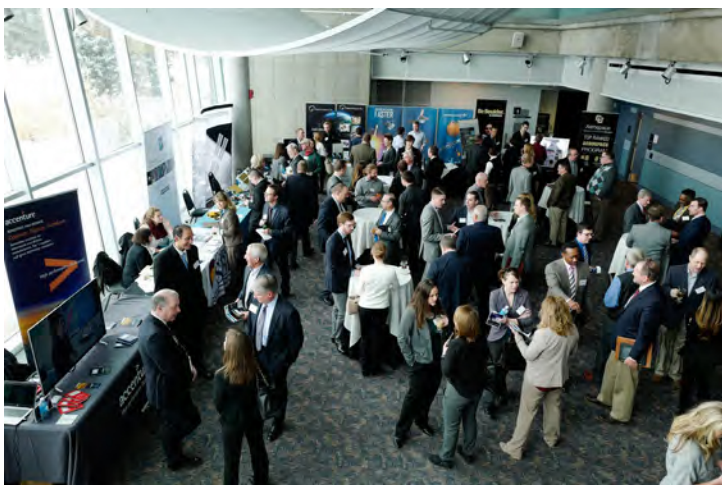
Colorado Aerospace Community Engagement Opportunities

Colorado Space Round Up

Denver Museum of Nature & Science

December 1

www.coloradosbr.org/2021-roundup



Aerospace Day at the Colorado Capitol

Early March, 2022



Space Symposium

Broadmoor Hotel, Colorado Springs

April 4-7, 2022





AEROSPACE



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