







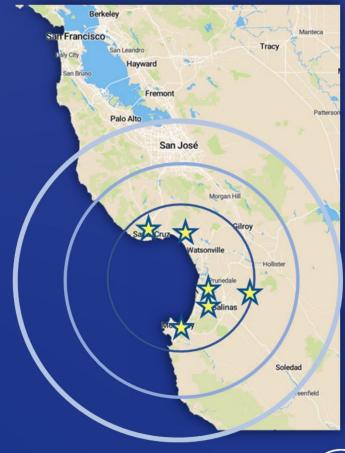
MBDART.org



Monterey Bay DART

Convergence of intentionality, geographic assets, cultural & economic trends, & luck







Board



Amy Gross
Sustainability Manager
L3Harris



Andrea Pesce
Industry Alliances Director
UC Santa Cruz



Brad Barbeau, PhD
Professor of Entrepreneurship
CSU Monterey bay



Chris Bley
Founder
Airspace Integration



Cody Cleverly
Joby Academy Lead
Joby Aviation



Josh Metz Co-Founder Monterey Bay DART



Michael Matkin

Executive Director

CITRIS, UC Santa Cruz



Brooks McChesney
Independent Investor/Advisor

Vision





Industry

- Companies
- Products
- Services
- Capital
- Entrepreneurs

Government

- Policy
- Infrastructure
- Regulation
- Funding

Academia

- Education
- R&D
- Innovation
- Talent

Community

- Workforce
- Integration
- Services
- Advocacy











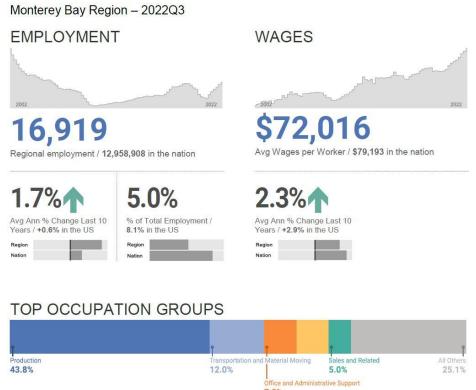






Manufacturing Trends © DART & STARTUP MONTEREY BAY CONNECT & CONNECT &

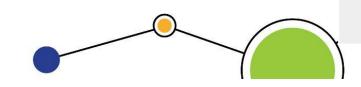




Staffing Pattern



6-digit Occupation	Empl	Avg Ann Wages	Annual Demand
Team Assemblers	935	\$41,500	92
Packaging and Filling Machine Operators and Tenders	887	\$37,300	105
Laborers and Freight, Stock, and Material Movers, Hand	567	\$40,500	81
First-Line Supervisors of Production and Operating Workers	502	\$67,400	51
Food Batchmakers	478	\$36,400	69
Inspectors, Testers, Sorters, Samplers, and Weighers	471	\$47,100	50
Industrial Truck and Tractor Operators	382	\$42,700	45
Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products	358	\$82,700	35
Packers and Packagers, Hand	326	\$34,700	52
General and Operations Managers	280	\$133,300	25
Remaining Component Occupations	11,705	\$70,500	1,280
Total	16,889		



Manufacturing Trends © DART & STARTUP MONTEREY BAY CONNECT %

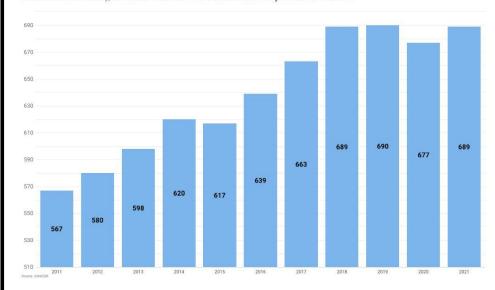


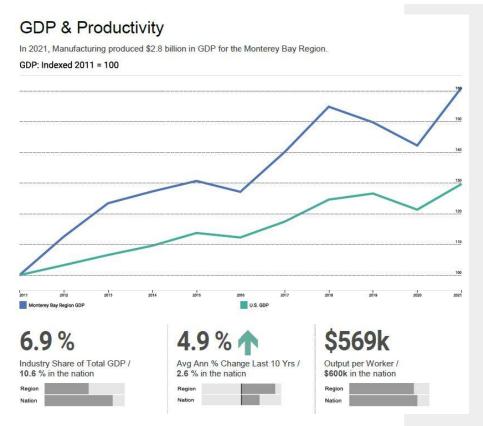




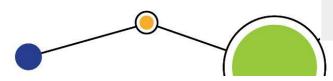
Establishments

In 2021, there were 689 Manufacturing establishments in the Monterey Bay Region (per covered employment establishment counts), an increase from 567 establishments ten years earlier in 2011.









Joby Apprenticeship





- 15+ full time paid apprenticeships
- 6-month on-the-job training



- Path to permanent employment
- Build sustainable workforce pipeline





Partnerships: UCANR & CITRIS



Salinas & Pajaro Valleys DART Skills Demand Study - 2023











Partnerships: CSUMB

DART Workforce Training Center Feasibility Study 2023



- Site Selection
- Demand
- Skills
 - Program
- Structure
 - Format
- Funding



Annual Cycle of Innovation









Partnerships: NRL - NASA/FAA



Aerospace innovation hub on the Monterey Bay



Urban Air Corridor Weather Support



























Partnerships: Joby @ Marina







PG&E























Partnerships: Navalx Tech Bridge





DoD Port & Maritime Security Innovation development, testing, and education ecosystem

https://antx.org/coastal-trident/







- Discussions /Planning
- Field Experiment ation
- Operationsbased Activities





Partnerships: Uplift Central Coast





THE UPLIFT VISION: A REGION-WIDE





https://reachcentralcoast.org/upliftcentralcoast/



VSFB Mission Development Zone

Develop Public Private Partnership for a commercial space industry tech park at VSFB.

Drone + Aeronautics Innovation District

Establish a multi-disciplinary research park and innovation district focused on aerospace, advanced air mobility, and uncrewed aerial vehicles.



CC Space + Aeronautics Skills

Expand existing-and develop new-training programs at regional community colleges.



iINNOVATE K12 STEM Pathways

Expand equitable access to K12 STEM opportunities through campus innovation labs and teacher training.



Establish Centers of Excellence in 3 locations: UCSC, Cal Poly and Ventura Fathomwerx. Centers will support research and innovation in aerospace-related fields.



Extend airport-area road and integrate utilities to improve circulation and airport access for aeronautics business expansion.



CTE Aeronautics Program

Expand and scale Bob Hoover Academy, a program that provides students access to earn a high school diploma in courses focused on STEM education in aeronautics and aviation



CSU Monterey Bay Science + **Engineering Building**

Establish a leading science education space that will provide the labs and space to train the next generation of engineers in aerospace and robotics.









DART Symposium

VANYA QUIÑONES

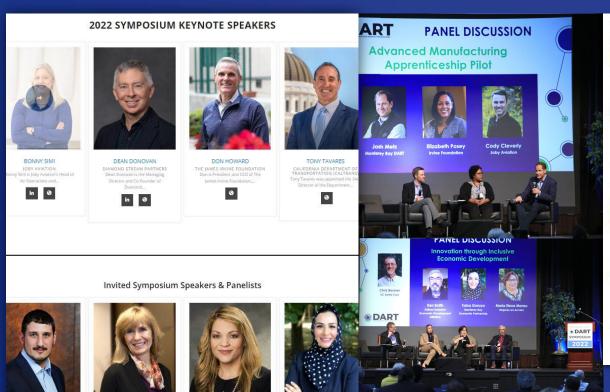
CSU MONTEREY BAY Vanya Quiñones became the fourth

VOTAM AVRAHAMI

YOLANKA WUI FF

COMMUNITY AIR MOBILITY

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TAHRA GORAYA

MONTEREY BAY ECON-PARTNERSHIP (MBE





Stay Engaged!

- Membership
- AMAP
- Drone Camp
- Collaborations
- Meetups
- DART Symposium
 Oct 10-13, 2023









