



Capabilities Statement

Cross Product Atmospheric, LLC is the Pacific Northwest's premier meteorological consulting firm (headquartered in Seattle, WA) serving clients nationwide – providing expert witness, weather reporting, weather forecasting, business development, and training services.

We have worked with clients in the technology, insurance, energy, transportation, and emergency management sectors nationwide since 2016; our mission is to deliver the most accurate, timely meteorological services to promote efficient and sustainable business operations.

General Information

Registered: October 2017

Headquarters: Seattle, WA

Status: Registered Small Business in SAM

DUNS Number: 111697369

CAGE Code: 8BB31

NAICS Codes: Sector 54
541690 (Primary)
541715
541990

Core Competencies

Expert Witness

- Forensic event reconstruction, weather reporting, testimony

Forecasting

- Private forecasting and weather prediction

Research & Data Analysis

- Applied meteorology and climatology
- Data engineering, data visualization, geospatial analysis

Training

- Education, exercise facilitation, and technology transfer

Communications

- Business development, marketing, technical content development

Past Performance

Technical communications for industry leading micro-weather technology start-up (2019-2021)
Climate adaptation course development for FEMA's AWR-347 revision (2020-2021)
125-day deployment to San Juan, PR for FEMA STEP after Hurricane Maria (2018)
Zero-emissions technology feasibility assessments for global maritime sector (2018-2021)
Senior scientist for weather-insurance and maritime technology firms (2016-2017)
Weather observation field specialist in MPEX (2012), IPHEX (2014), OLYMPEX (2015) campaigns

Clients



Qualifications and Experience

Dr. Douglas C. Stolz holds a Ph.D. in atmospheric science from Colorado State University as well as Master and Bachelor of Science degrees in tropical meteorology from the University of Hawaii at Mānoa. He also holds the Certified Consulting Meteorologist (CCM #761) seal from the American Meteorological Society. His technical expertise areas are radar meteorology, precipitation physics, and lightning climatology; his previous studies included numerical weather modeling, advanced radar data processing, and climate. Beyond weather and climate science, his focus areas include data science, geographic information systems, natural hazards, and disaster recovery. Dr. Stolz is the current chair of the Ethics & Standards Committee of the Association of Certified Meteorologists and liaison to the American Meteorological Society's Board of Best Practices.

Dr. Stolz previously spent ten years as an atmospheric researcher, contributing publications in the peer-review literature in the Journal of Geophysical Research and the Journal of Atmospheric Science. In addition, he has co-authored works exploring the feasibility of wind-assist propulsion technology for decarbonizing global shipping as well as the integration of climate science in emergency management. In the private sector, Dr. Stolz leads professional training exercises (e.g., on behalf of the National Domestic Preparedness Consortium/FEMA), enables business development, delivers insights through data analysis, and carries out forensic weather investigations (e.g., for insurance, legal, and engineering).

Mailing Address

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