



Hermann A. Kruppa

Field Operations Support Assistant



Mr. Kruppa joined Sonoma Technology in 2022. He supports Sonoma Technology's portfolio of air quality measurement projects across California. He works directly in support of clients, project managers, field technicians, information technology, and other subject matter experts to ensure all monitoring, quality, and communication plans are consistently executed.

After attending 2 years at Rutgers University in the Environmental Sciences Department, Mr. Kruppa enlisted in the United States Marine Corps as a Meteorological and Oceanographic (METOC) Analyst Forecaster. He spent the next 22 years supporting intelligence, targeting, expeditionary, garrison, and planning operations that spanned the globe throughout the Department of Defense's 8 Combatant Commands. These operations included METOC data collection strategies, data assimilation, analysis, and prognostication and integration into the impacts on an array of military tactics, operations, and strategies with the primary goal of asset protection and optimization.

A veteran of the 2003 Operation Iraqi Freedom initial campaign, Mr. Kruppa employed a system of mobile man-packable meteorological measurement instruments that could remotely report data to a consolidated intelligence facility in order to support electro-optical target acquisition in both Deep Air and Close Air Support Operations. During the subsequent 2004 Operation Iraqi Freedom campaign, he supervised and executed the meteorological support for on-going counter terrorism and insurgency operations via the implementation of quasi-mobile doppler radar, lightning detection, pressure altitude, density altitude, and other meteorological measurements. From 2009-2010, during the Operation Enduring Freedom campaign in Afghanistan, he established a meteorological sensing strategy that encompassed the entirety of the Helmand Province and supported an expeditionary force of about 65,000 troops and equipment.

In addition, to direct METOC support to operations, Mr. Kruppa has experience in strategic military planning and training. He served as a weather forecasting instructor and the Meteorological Formal Schools Manager and Instructional Systems Design Lead for a variety of courses at the Department of Defense's Center of Excellence for Weather Training, with a student throughput of over 700 service members and international students per year. During his 3-year tour at Camp Lejeune with I Marine Expeditionary Force, Mr. Kruppa was the direct meteorological and oceanographic advisor to the three-star commanding general over a global scope of military and intelligence operations. During this time, he managed the acquisition and procurement of meteorological and oceanographic equipment tailored to the various military, intelligence and humanitarian operations across the globe. He also helped manage the development and implementation of the training requirements and programs for the field of Marine Corps Meteorology and Oceanography. These efforts lead to the development and implementation of tailored official standard operating procedures, training requirements and standards, and manning and equipment requirements for integration into various military training and doctrinal publications.

Education

AAS, Instructor of Technology and Military Science, Community College of the Air Force.

Certifications

- Application of Instructional Systems Design Certificate
- Lean Six Sigma Green Certificate
- Occupational Safety and Health Administration 30 Hour Training Certificate
- Weapons and Tactics Instructor (TOP GUN) Meteorology and Oceanography Certificate