

Aerial Data Acquisition

Range Sustainability, Land Expansion, and Airspace Establishment



Client:

Marine Corps Air Ground
Combat Center (MCAGCC)
Twentynine Palms

Location:

Twentynine Palms, CA

Key services:

- > Program Design and Development
- > Training and Curriculum
- > Program Management
- > Video Production
- > Live Fire Exercise, After Action Review Production
- > Encroachment Monitoring
- > Land Surveys
- > Search and Rescue
- > Range Asset Inventory
- > Installation Infrastructure Inspections

Marine Corps Air Ground Combat Center (MCAGCC) Twentynine Palms tapped Cardno and our Unmanned Aviation experts to create the installation's Naval Air Systems Command (NAVAIR) compliant Unmanned Aviation Program.

Overview

MCAGCC Twentynine Palms, the largest US Marine Corps Training and Testing Range globally, contacted Cardno to establish an organic NAVAIR Compliant Unmanned Aviation Program for the Combat Center, Range Control Section. This included developing the installation infrastructure, safety management system, and operational regulatory framework to support routine Unmanned Aerial Systems (UAS) flight operations in conjunction with and in support of large-scale training events. As part of this Program Development/Management contract, Cardno developed all of the Unmanned Aviation Pilot Training curriculum for the Combat Center.

When the program became fully operational, Cardno was instrumental in working with the stakeholder installation units to identify capability gaps where unmanned technology could be integrated into existing Tactics, Techniques, & Procedures (TTPs) to enhance mission success.