

Data Acquisition Program

Sea, Land, Air and Space

Remote sensing technology coupled with advanced analytics can provide unmatched results by gathering more actionable information in less time.



The Cardno Team

We are a technically diverse and experienced global team dedicated to serving our clients by providing peerless digital data acquisition expertise, execution, AI based analytics, management, and delivery. Passionate disciplinary thought leaders we have deep knowledge in the following fields: Photography, GIS, Photogrammetry, LiDAR, Data Analytics, Land Survey, Robotics, Satellite Imagery, UAS, cUAS, Infrastructure Inspection, BIM, Asset Management, AI/Machine Learning, Diving, Military/DoD, Program Management, and other Remote Sensing Disciplines.

Our Data Acquisition Program is actively engaged in projects leveraging sophisticated robotic and computer vision technology to acquire digital data from the **Sea, Land, Air and Space**. We specialize in blending our unique multidisciplinary GIS, scientific, and engineering analytics experience with complex robotics and human based data acquisition technology to render true actionable intelligence, in near real time (NRT) for our clients.

Our Differentiator

An intelligent data acquisition, management, processing, analytics, and security plan is critical to rapid solution development. Cardno is distinctive in that we take a very holistic approach to the acquisition, rendering, and distribution of data, integrating all of our organic resources into the solution delivery process. Cardno treats every project as a unique data problem, not a “drone” or technology problem. Put another way, we work projects from the “**Data Up**” without preconceptions.

We believe in being technology agnostic, trusted advisors to our clients, as we seek the best acquisition / analytics / delivery strategy to meet their requirements, while remaining mindful of budgetary constraints. Cardno’s agile Data Acquisition Team combined with our unrivaled depth of scientific and engineering expertise is laser focused on the rapid delivery of real actionable intelligence for our clients, today and into the future.



Data Collection and Analysis

An intelligent data acquisition, management, processing, analytics, and security plan is critical to rapid solution development. Our diverse analytics team provides geo-spatial, scientific, & engineering support, vegetation density reports, asset inspection, 3D modeling data for design, photogrammetry/survey, project assessment, documentation, and enhanced video messaging products.

Remote Sensing Technology

- > Managed Risk
- > Risk Reduction
- > Lower Project Costs
- > Enhanced Productivity
- > Actionable Intelligence

Examples of Services Performed

- > Risk Based Decision Support Systems
- > Statistical Analytics & Modeling
- > Satellite Imagery Analysis
- > Automated Vegetation Density Report
- > Geo-spatial Support
- > Restoration/Reclamation
- > Construction Monitoring
- > Asset Inspection
- > 3D Modeling / As-built
- > UAS Land Survey
- > Photogrammetry/LiDAR
- > UAS Program Development
- > UAS Program Management
- > DoD Application Development & Range Management Support
- > Assessment and Remediation
- > Storm Water/Erosion monitoring
- > Endangered Species Monitoring
- > Mining
- > Structure Roof Inspections
- > Energy/Petrochemical Facility
- > Undersea ROV
- > Confined Space UAS

Cardno is a professional infrastructure and environmental services company, with expertise in the development and improvement of physical and social infrastructure for communities around the world. Cardno's team includes leading professionals who plan, design, manage and deliver sustainable projects and community programs.

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Making a difference.