DRONE SERVICES

2cofly

PORTFOLIO

Mission:

To deliver business efficiencies using drones.

Vision:

To integrate drone technologies to as many industries in the Pacific.

(671) 988-1532

www.2cofly.com

dwl@2cofly.com

1000 Pale San Vitores Rd. Tumon Guam

Executive Summary

We can do things faster, better, and safer using drones.

Intro

2cofly (pronounced E-CO-FLY) is a drone service provider leading the expansion of the emerging commercial drone industry in Micronesia.

Our commitment to operational safety & excellence is reflected in our procedures, including comprehensive checklists, crew resource management, training, investments, and more.

KEY METRICS

10M+
feet flown using drone

12,000+
acres mapped via drone

40+
approved COAs & Waivers

0
incidents or crashes

2COFLY
DRONE SERVICE PROVIDER

Drone Service Provider
www.2cofly.com
1000 Pale San Vitores Rd. Tumon Guam

SUMMARY

With the rapid technological advances, drones have evolved far beyond being merely a consumer-level toy; they have become a revolutionary tool that is transforming the way tasks are accomplished across various industries. No matter which industry you are part of, drones can deliver significant efficiency improvements to your business.

KEY SOLUTIONS

2cofly offers a variety of remote sensing services utilizing various sensors such as **RGB, LiDAR, magnetometer, and thermal**. We also provide professional drone training.

Aerial Mapping & Imaging

Drone Training

3D Modeling

KEY BENEFITS

1. **Speed**
   Drones are programmable machines that don't get tired. They can remotely collect data much more quickly (and in many cases, more accurately) than a person can.
2. **Access**
   Drones can reach places that we may not be able to access on the ground by flying over a given site.
3. **Safety**
   Drones can bypass all the hazards on the ground. They can significantly reduce the number of times professionals need to climb a rooftop or, for example, an archaeologist who might otherwise have to hack their way through a jungle.
4. **Cost Savings**
   By achieving tasks more quickly, safely, and often with better data, you can save a significant amount of money in both the short and long term.

LEADERSHIP TEAM

Andrew Park

Co-Founder, Business Development

Dong Won Lee

Co-Founder, Drone Operations

Ratu Uluiviti

Operations Manager, Part 107 Instructor

FLIGHT SERVICES

ORTHOMOSAIC MAPPING

Extremely high resolution 2D map of a given site

TOPOGRAPHIC MAPPING

High accuracy 1' contours & Digital Elevation Model

3D POINT CLOUD

Dense 3D-colorized point cloud creation

THERMAL SENSING

Rapid thermal data on rooftops, solar panels, etc

AEROMAGNETIC SURVEY

Subsurface metal detection via magnetometer

DRONE TRAINING

Online and offline professional drone training

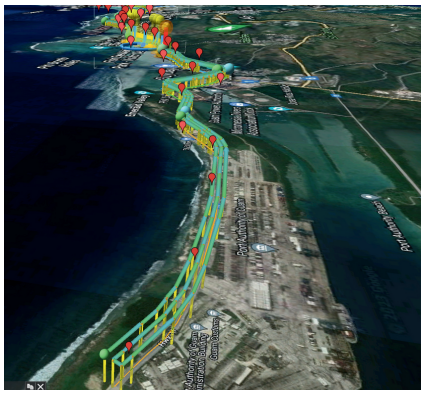
PAST PROJECTS

Project: Orthomosaic Mapping | 8,000 acres
Client: Pacific Federal Management

2cofly was assigned the task of creating an orthomosaic map covering 8,000 acres encompassing all the southern residential villages in Guam, with a high ground sampling distance. This data served both the client's internal operations and provided the Army Corps of Engineers with valuable information for their post-Typhoon Mawar operations. This mission marked 2cofly's largest mapping project in terms of mapped acreage.

Project: Marine Corps Dr. 13-mi Topographic Survey
Client: TG Engineers | PUI

2cofly collaborated with TG Engineers to perform both pre- and post-topographic surveys, focusing on a road depression that posed challenges for transporting a heavy generator to a new power plant development in Guam. Drones significantly reduced the need for the survey team to capture data points along the busy Marine Corps Drive, covering the survey area from the Port in Piti to the job site in Dededo.



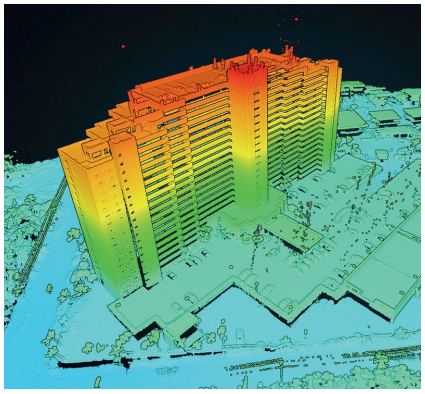
Project: Topographic Survey | Angaur Palau
Client: TG Engineers | CAPE Environmental

2cofly collaborated with TGE's licensed survey team to conduct a LiDAR scan, producing highly accurate 1-foot contours and a Digital Elevation Model (DEM) in Angaur, Palau. The drone covered a total area of over 350 acres. The primary advantages included cost savings, faster data acquisition, and the ability to collect topographic data in restricted UXO remediation sites inaccessible to surveyors.

PAST PROJECTS

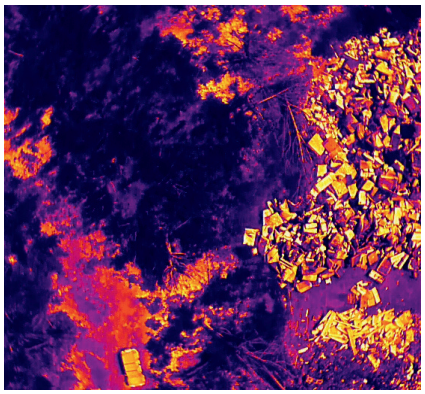
Project: 3D Modeling | Ladera Towers
Client: Ripple Industries & Matan Architecture

2cofly was tasked to produce a dense 3D colorized point cloud, which the architecture company used for analysis, measurements, and cost calculations. The point clouds were generated using two sensing technologies: photogrammetry and LiDAR sensing.



Project: Ortho Mapping, Thermal & other aerial imagery
Client: Sierra Overhead Analytics & EPA Region IX

The EPA was assigned the responsibility of monitoring the dump sites in the aftermath of Typhoon Mawar. Swift and ongoing data collection was crucial. 2cofly supplied orthomaps, thermal maps, aerial imagery, and 360-degree images 2-3 times a week over a period of a month and a half to monitor the EPA's four primary dump sites in Guam.



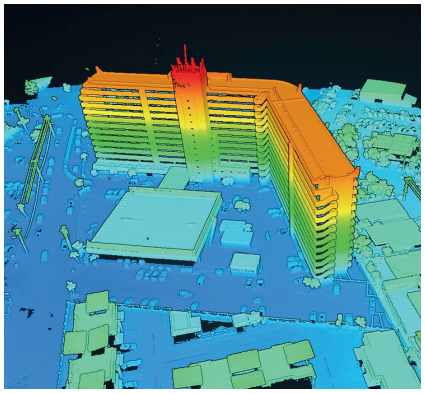
Project: Aeromagnetic Survey | Ferrous Anomalies
Client: 174PG | Hanwha USA

2cofly was assigned to detect subsurface ferrous anomalies across a 200-acre, 60MWdc solar development site in Guam. Utilizing drone technology, the client achieved savings exceeding $1 million and reduced the project timeline by six months. On the right, you can see 2cofly's M300 RTK drone equipped with an aerial magnetometer. Our work has been featured in a research paper and on our manufacturer's website.

PAST PROJECTS

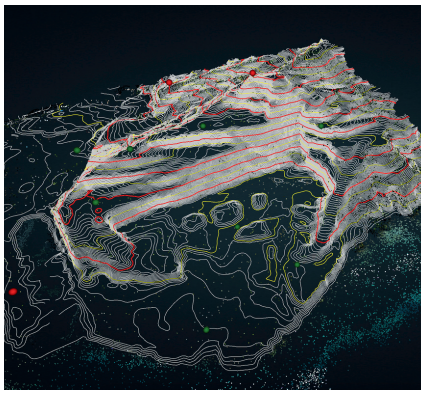
Project: 3D Modeling | Pia Marine Condominium
Client: Ripple Industries & Matan Architecture

2cofly was tasked to produce a dense 3D colorized point cloud, which the architecture company used for analysis, measurements, and cost calculations. The point clouds were generated using two sensing technologies: photogrammetry and LiDAR sensing.



Project: Topographic Survey | Extreme Terrain
Client: TG Engineers

2cofly collaborated with TG Engineers to perform a topographic survey on Malakal Island, Palau. This site presented challenging terrain, including a mixture of cleared and vegetated land, as well as a 250-foot cliff line. Drones efficiently collected comprehensive data across the entire site, resulting in highly accurate 1-foot contours and a Digital Elevation Model (DEM).



Project: Archaeological LiDAR Survey
Client: German Archaeologists

pair of German archaeologists, working across various Rock Islands in Palau, required bare earth data for analyzing the terrain in search of any signs of past civilizations. 2cofly performed two LiDAR surveys in the Rock Islands, with drones enabling the archaeologists to collect data from otherwise inaccessible locations within the dense jungle.

PAST PROJECTS

Project: Drone Training
Client: NASA Guam Space Grant

2cofly conducted a 4-week course for 12 University of Guam (UOG) students, covering FAA Part 107 test preparation and professional drone training. Over the course, students learned about various topics, including the National Airspace System (NAS), Part 107 regulations, how to conduct drone missions, and the post-processing of drone data, such as creating Orthomosaic Maps.

Project: Drone Training
Client: DoDEA | Guam High

2cofly organized the inaugural drone class for high school students at Guam High (DoDEA). As you can become a certified FAA drone pilot as early as 16 years old, the school seized the opportunity to provide its students with a valuable head start in their careers. Within a span of just 6 weeks, the students acquired comprehensive knowledge, passed the test, and even had the chance to visit the Air Traffic Control Tower during a field trip!

Project: As-Built Survey
Client: TG Engineers | KEPCO Mangilao Solar Farm

2cofly collaborated with TG Engineers to perform the final as-built survey, conducting a LiDAR scan across their 200-acre solar farm in Mangilao.

For more projects, please visit our website

SEE MORE FROM ABOVE

Drones can bring advantages to nearly every industry. They can accelerate processes, reduce costs (boosting profits), enhance safety, provide valuable perspectives, and more. However, it can be overwhelming to comprehend and embark on using drones, and that's where we come in. In fact, over half of our clients **initially** had limited knowledge of working with drones. We are here to guide your team through every step of the process, from consultation to the final product.

Initial Contact

Let us know your needs.

Consultation

We will provide solutions.

Partnership

Let's get to work!

(671) 988-1532

Address : 1000 Pale San Vitores Rd. Tumon Guam
Web： www.2cofly.com
E-mail : dwl@2cofly.com