

## CASE STUDY

# Aerial Image Segmentation for Drones

Our client needed to develop several systems that could detect objects, property lines, and health levels for flora. They also wanted to minimize the number of iterations on their training set.

- DDD and our client identified 17 types of objects that required annotation
- We implemented a unique approach blending instance and semantic segmentation to enable the use of the same dataset across use cases
- The final dataset encompassed ~10,000 images with over 99.9% of pixels categorized and an F1 score of 0.98

The client was able to leverage a single dataset across multiple use cases to customize and refine their model to their product specifications.



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## Data Preparation Services for Machine Learning

Machine learning teams and AI startups leverage DDD's 1500+ training data associates to prepare high-quality, structured training datasets at scale to train, test, and improve machine learning algorithms that deliver real-world applications.

What makes us unique? We set up dedicated teams selected with particular backgrounds that are given specialized domain-specific training. These purposefully built teams remain consistent throughout the project, resulting in a lower total cost of operation and higher quality datasets.



Data Collection  
and Creation



Data Cleaning  
and Curation



Video and Image  
Annotation for  
Computer Vision



Text and Audio  
Annotation for Natural  
Language Processing

## Our Social Mission

DDD pioneered the impact sourcing model of offering employment in data preparation services to people from underserved communities. This socially responsible approach to performing work provides these individuals with a path to economic self-sufficiency.