

We have produced photogrammetric mapping in California since 1995. We fly a large-format UltraCam Falcon digital camera for large project areas, and drone LiDAR and photogrammetry for smaller sites. The mapping, surfaces, orthophotos and 3D models are produced in house at our facility in San Luis Obispo. On most projects we are the mapping subconsultant to the engineers and licensed surveyors who lead the work.

## CAPTURE

### Manned aerial photogrammetry

UltraCam Falcon large-format digital camera, for large project areas and corridors.

### UAV LiDAR

DJI Matrice 300 RTK with the Zenmuse L2 sensor, flown under FAA Part 107. Bare-earth data under vegetation, along corridors and on difficult terrain.

### Hybrid LiDAR and photogrammetry

UltraCam Falcon imagery and LiDAR captured on the same large-area flight.

### Drone photogrammetry

High-resolution imagery and mapping for smaller sites.

## DELIVERABLES

### Photogrammetric mapping

Planimetric and topographic mapping, with contours at the specified interval.

### Surfaces

Bare-earth terrain models (DTM), surface models (DSM), and TIN surfaces with breaklines that open directly in Civil 3D.

### Digital orthophotos

Georeferenced, distortion-corrected orthomosaics.

### Point clouds

Colorized and classified to the client's specification.

### 3D reality capture

Reality meshes and point clouds of existing sites for digital twins, BIM coordination and presentations.

## FORMATS

LAS / LAZ

GeoTIFF

DWG / DXF

Civil 3D surfaces

KMZ

PDF map sheets



UAV LiDAR of a bridge and creek corridor, colorized point cloud.



Morro Rock, Morro Bay.

## QUALIFICATIONS

- **ASPRS Certified Photogrammetrist.** Robert Lafica, CP-1241, more than 30 years in photogrammetric mapping.
- **Caltrans qualified** for 3D digital mapping and remote sensing.
- **ASPRS standards.** Our work complies with the mapping-accuracy standards of the American Society for Photogrammetry and Remote Sensing.
- **FAA Part 107.** UAV operations are flown by a certified remote pilot.
- **Public agency work.** Mapping for State, County and City agency projects across California, including transportation, transit and aviation projects.

## COMPANY

|              |                                           |
|--------------|-------------------------------------------|
| Legal name   | <b>Central Coast Aerial Mapping, Inc.</b> |
| Incorporated | <b>1995, San Luis Obispo, California</b>  |
| Service area | <b>California</b>                         |
| Principal    | <b>Robert Lafica, CP</b>                  |
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## SELECTED SITES MAPPED

- The Getty, Los Angeles
- Pasadena Rose Bowl, Pasadena
- Dana Point Harbor, Dana Point
- Ventura Harbor, Ventura
- Morro Rock, Morro Bay
- Tajiguas Landfill, Santa Barbara County
- El Monte Water Pipeline, El Monte
- Belridge Oil Fields, Kern County

## THREE GENERATIONS OF PHOTOGRAMMETRY

Carlos Arriagada began his career in photogrammetry in 1951 and founded C&C Aerial Mapping Services in San Dimas in 1977. His daughter Beatriz Arriagada and grandson Robert Lafica incorporated Central Coast Aerial Mapping in San Luis Obispo in 1995. The third generation still flies manned photogrammetry and has added UAV LiDAR and 3D reality capture.

We work as the mapping subconsultant on projects led by engineers and licensed land surveyors. CCAM is not a licensed land surveyor.