



Baton Rouge Drones

Here to Serve. Here to Solve. Here to Streamline.

(225) 224-3277 | info@BatonRougeDrones.com | BatonRougeDrones.com

ENGINEERING-GRADE AERIAL SURVEY DATA

LiDAR | Photogrammetry | Thermal | Multispectral | RTK

For Civil Engineers • Surveyors • Construction Managers • Industrial Operators

Louisiana | Mississippi | Gulf Coast





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ENGINEERING-GRADE AERIAL SURVEY DATA

Survey-Grade Data Built for Engineering Workflows

Baton Rouge Drones provides end-to-end UAV data collection and processing for civil engineers, professional land surveyors, construction teams, and industrial operators. We deliver accurate, CAD-ready datasets that drop directly into Civil 3D, AutoCAD, GIS, and BIM environments.

Faster Delivery

Orthomosaics, surfaces, and volumes typically delivered in days. Reduce field crews and compress design schedules.



Design-Ready Files

DWG, DXF, LandXML, LAS/LAZ, GeoTIFF formats optimized for Civil 3D and engineering software.



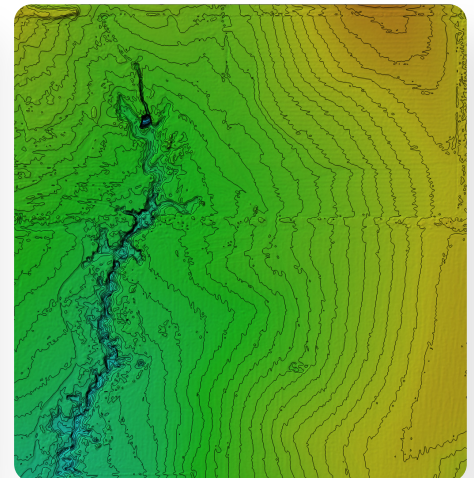
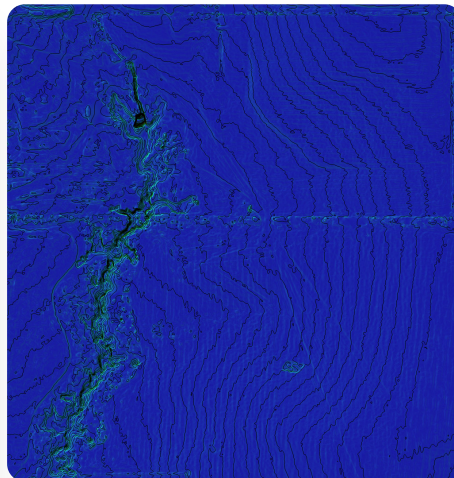
Industrial Ready

MSHA, OSHA, TWIC & Basic Orientation Plus certified for refineries, plants, pipelines & aggregate sites.

Engineering-Ready Deliverables

Inspired by the practical packaging used by leading operators, every project is delivered so your CAD technicians and design engineers can begin work immediately.

- **High-resolution Orthomosaics (GeoTIFF)** — true-scale, georeferenced site maps for CAD backgrounds
- **Digital Terrain & Surface Models (DTM / DSM)** — bare-earth and first-surface elevation models
- **Classified Point Clouds (LAS / LAZ)** — ground, vegetation, buildings and noise classified
- **Clean TIN Surfaces & Contours** — LandXML or DWG ready for grading, drainage and earthwork design
- **Volumetric Calculations** — stockpile, cut/fill and progress quantities with clear methodology
- **Thermal Inspection Reports** — heat anomalies for equipment, pipelines and facility assets
- **Progress & Difference Maps** — time-series orthos and surface comparisons for construction monitoring





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Built for Gulf Coast Engineering & Industrial Work.

Civil Engineering & Land Development

Existing-conditions topography, grading design support, drainage analysis, pre-construction baselines, and as-built documentation that integrate with your design models.

Construction Monitoring & Earthworks

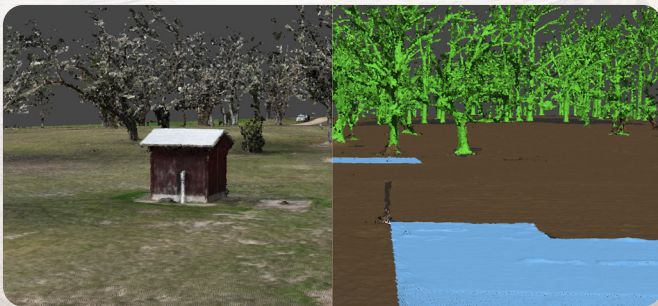
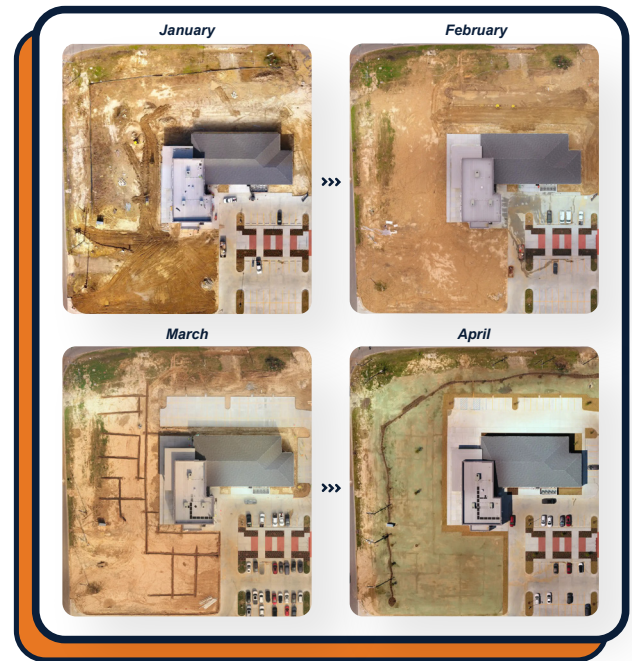
Regular orthomosaics, cut-fill tracking against design surfaces, stockpile inventories, and clear progress reports for contractors, owners and engineers.

Industrial, Energy & Aggregates

Refinery and petrochemical facility documentation, pipeline ROW and HDD monitoring, aggregate quarry and stockpile volumetrics, corrosion and thermal anomaly detection.

Survey Support

High-accuracy aerial datasets that complement traditional control. We partner with licensed professional surveyors when boundary or certified as-built work is required.



What Arrives in the Delivery Package

Clear, consistent file packages so your team never has to guess what each file is or how to open it.

- **.LAS / .LAZ** — Classified point cloud (ground class prioritized for surface generation)
- **GeoTIFF Orthomosaic** — High-resolution, georeferenced aerial image
- **LandXML or TIN** — Clean topographic surface for direct Civil 3D import
- **.DWG / .DXF** — Contours, breaklines and key planimetric features
- **PDF Report** — Methodology, control summary, residuals and volume tables
- Optional thermal PDF reports, multispectral products, and progress difference maps

Coordinate systems are delivered to your specification (Louisiana State Plane, Mississippi State Plane, UTM, or local). CAD-friendly optimized orthophotos are available when full-resolution files exceed practical import limits in Civil 3D.





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Why Teams Across Louisiana & Mississippi Choose Us

- **Local Gulf Coast focus** — We know the industrial, aggregate, pipeline and civil environments of Louisiana and Mississippi.
- **Industrial-site access** — MSHA, OSHA, TWIC and Basic Orientation Plus certifications let us work inside plants and restricted areas.
- **Engineering background** — Founded by a mechanical engineer with forensic engineering experience; we understand design, claims and technical documentation needs.
- **End-to-end service** — Flight planning, capture, processing and delivery under one roof. Professional drone rentals (Mavic 3 Enterprise / Thermal / Multispectral + RTK) also available.
- **Scalable pilot network** — Selective network across Louisiana, Texas, Mississippi, Florida, and Alabama for surge capacity on large or urgent projects.
- **Usable data first** — Every deliverable is reviewed for engineering practicality, not just visual appeal.



Straightforward Process

1. **Scope & Quote** — Provide site boundary (KML/KMZ preferred), required products and accuracy targets. Clear fixed-price quote follows quickly.
2. **Capture** — RTK/PPK workflows, ground control as needed, full airspace and safety compliance handled by our team.
3. **Process & QA** — Photogrammetry and/or LiDAR processing, classification, surface cleaning and CAD formatting.
4. **Deliver** — Secure download or preferred transfer method. We stay available for import questions into your software.

READY FOR ENGINEERING-GRADE AERIAL DATA ON YOUR NEXT PROJECT?

Call or text for next-day availability, a free consultation, or to
schedule a demonstration | **(225) 224-3277**

Serving Louisiana • Mississippi • and the broader Gulf region | FAA Part 107 Certified • Fully Insured • MSHA / OSHA / TWIC

