

AERIAL ANALYTICS FOR TRANSPORTATION



EMPOWERING

ROAD, RAIL, AND MARINE AGENCIES

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OVERVIEW

Our cutting-edge aerial analytics services offer comprehensive solutions for road, rail, and marine agencies. Leveraging the power of advanced drone technology and photogrammetry, we provide precise and actionable data to enhance planning, construction, and safety monitoring. Whether you are overseeing the development of new transportation infrastructure or maintaining existing networks, our services ensure efficiency, accuracy, and safety every step of the way.

TRANSFORM YOUR PLANNING AND CONSTRUCTION PROCESSES

Our aerial analytics solutions revolutionize the planning and construction phases for road and rail networks:

HIGH-RESOLUTION MAPPING

Obtain detailed, high-resolution maps and 3D models to facilitate precise planning and design.

SITE SURVEYING

Conduct rapid and accurate site surveys to assess terrain, identify potential obstacles, and plan optimal routes.

PROGRESS MONITORING

Track construction progress in real-time, ensuring adherence to timelines and identifying potential delays before they become critical issues.

VOLUME CALCULATIONS

Accurately measure stockpiles and earthworks to manage materials and costs effectively.

ENHANCE SAFETY MONITORING

Safety is paramount in transportation infrastructure. Our aerial analytics services provide essential data to maintain and enhance safety standards:

TRAFFIC PATTERN ANALYSIS

Monitor and analyze traffic patterns to optimize traffic flow, reduce congestion, and improve safety on roads and railways.

 **ENCROACHMENT DETECTION**

Identify unauthorized development and encroachment in the vicinity of transportation networks, ensuring compliance with regulations and safeguarding infrastructure.

 **STRUCTURAL INSPECTIONS**

Conduct regular inspections of bridges, tunnels, and other critical structures without disrupting traffic, identifying potential issues before they become hazards.

COMPREHENSIVE SOLUTIONS FOR MARINE AGENCIES

In addition to road and rail, our aerial analytics extend to marine agencies:

 **PORT MANAGEMENT**

Monitor port operations, optimize vessel traffic, and ensure efficient cargo handling with real-time aerial data.

 **COASTAL MONITORING**

Assess coastal erosion, monitor environmental impact, and manage coastal infrastructure projects effectively.

 **MARITIME SAFETY**

Enhance maritime safety by inspecting offshore structures, identifying hazards, and ensuring compliance with safety regulations.

WHY CHOOSE OUR AERIAL ANALYTICS?

 **ADVANCED TECHNOLOGY**

Utilize state-of-the-art drones and photogrammetry techniques for unparalleled accuracy and efficiency.

 **EXPERT TEAM**

Benefit from our team of experienced professionals with deep expertise in aerial analytics and transportation infrastructure.

 **END-TO-END SOLUTIONS**

From data collection to analysis and reporting, we provide comprehensive solutions tailored to your specific needs.

 **REGULATORY COMPLIANCE**

Ensure compliance with all relevant regulations and standards, protecting your projects and reputation.

GET STARTED TODAY

Transform your transportation projects with our aerial analytics services. Contact us today to learn more about how we can support your planning, construction, and safety monitoring needs for road, rail, and marine infrastructure. Let us help you achieve new heights of efficiency, accuracy, and safety.