DARIUS

PLAN + BUILD WITH TRANSPARENCY

SMG DRONES, LLC D/B/A DARIUS
Florida Licensed Surveying & Mapping Business No. LB8613

LET'S CHAT ABOUT POWER DISTRIBUTION

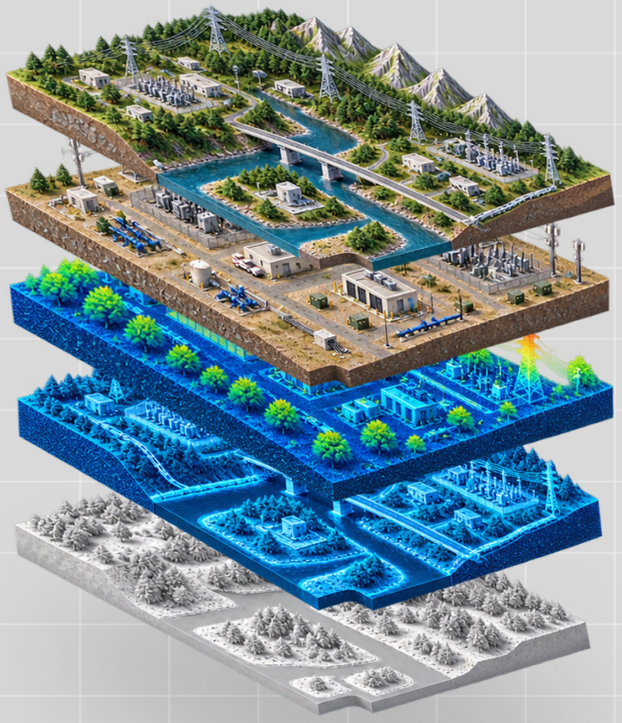
INFRASTRUCTURE INTELLIGENCE · AERIAL MAPPING · UAV INSPECTION

SEE MORE. KNOW MORE. **DO MORE.**

A smarter way to survey, inspect, and understand critical infrastructure.

DARIUS combines advanced UAV technology, high-density LiDAR, high-resolution imagery, and intelligent data processing to give utilities and infrastructure operators a clearer, more complete picture of their networks.

From individual assets to entire transmission and distribution systems, DARIUS transforms complex infrastructure environments into precise, actionable intelligence—helping teams make better decisions, reduce fieldwork, and move projects forward faster.



INFRASTRUCTURE INTEL **AT SCALE**

100+
Points per square meter
High-density LiDAR data capture

150
Network miles per day
Per aircraft, depending on mission conditions

150 MP
High-resolution imagery
Detailed visual intelligence

50%+
Fewer site visits
Potential reduction through remote data collection

ONE PLATFORM.
A WHOLE NEW PERSPECTIVE.

Traditional infrastructure inspection is often slow, labor-intensive, and limited by what teams can see from the ground. DARIUS takes a different approach.

By combining aerial LiDAR collection, high-resolution RGB and near-infrared imagery, and network-scale UAV inspection, DARIUS captures detailed infrastructure data across large areas—without relying on time-consuming, asset-by-asset field surveys.

The result: Better visibility. More complete data. Fewer unnecessary site visits. Greater confidence in infrastructure planning and maintenance.

DARIUS DELIVERS

- Aerial LiDAR mapping: High-density 3D point clouds for precise terrain, vegetation, and infrastructure analysis.
- High-resolution imagery: Up to 150-megapixel visual data, including RGB and near-infrared imaging.
- UAV infrastructure inspection: Network-scale collection and inspection of utility assets and corridors.
- Automated infrastructure intelligence: Detailed data that supports asset identification, engineering, GIS, and maintenance workflows.

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APPLICATION · ELECTRIC UTILITY

IN THE FIELD:
SEE THE ENTIRE NETWORK. WITHOUT SETTING FOOT ON IT.

UAV-based LiDAR and aerial imaging turn complex utility corridors into actionable infrastructure intelligence.

THE CHALLENGE

A utility needs reliable visibility into a large transmission network, including conductor conditions, surrounding vegetation, and potential infrastructure concerns. Traditional ground-based inspections require significant time, coordination, and field resources.

DARIUS AS A SOLUTION

Deploy UAV-based LiDAR and high-resolution aerial imaging to capture detailed information across the network. Combine multiple data sources to create a comprehensive digital representation of the infrastructure and its surrounding environment.

THE DIFFERENCE

- Capture extensive network data in significantly less time.
- Identify infrastructure and vegetation conditions remotely.
- Reduce dependence on repeated physical site visits.
- Give engineering and operations teams better information for planning and prioritization.

THE BUSINESS VALUE

More visibility. Less fieldwork. Better-informed infrastructure decisions.



BUILT FOR INFRASTRUCTURE THAT **KEEPS EVERYTHING MOVING.**

DARIUS supports organizations working across:

- Electric transmission and distribution
- Utility asset management
- Vegetation management
- Infrastructure engineering and GIS
- Network inspection and maintenance
- Large-scale infrastructure planning

YOUR NETWORK IS TELLING A STORY.

DARIUS helps you see the whole picture.

Discover how aerial intelligence, advanced LiDAR, and UAV technology can transform the way you understand and manage critical infrastructure.

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