



**AERIAL
ADVANTAGE
GLOBAL**

Geospatial Intelligence **+**
Precision Data Systems

COMPANY PROFILE



Intelligence from Imagery

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Governments, investors, and infrastructure developers operate in environments where ambiguity carries cost. Decisions about where to build, how to allocate capital, and what risks to carry are only as reliable as the spatial data behind them. Aerial Advantage Global exists to close that gap.

We design and deploy end-to-end geospatial intelligence systems. From aerial acquisition through to structured analytical outputs, our work produces decision-grade intelligence: accurate, defensible, repeatable, and directly aligned to defined use cases.

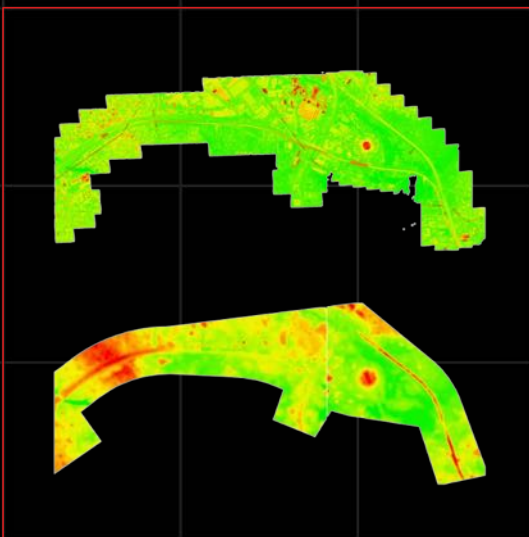
WHAT WE DO

AAG integrates advanced UAV platforms, LiDAR systems, and rigorously controlled geospatial workflows to transform complex physical environments into structured, actionable data. We do not deliver imagery. We deliver clarity, measurement, and insight that can withstand scrutiny and drive action.

CORE SERVICES

LARGE-SCALE MAPPING AND TERRAIN INTELLIGENCE

LiDAR and photogrammetric mapping programmes across extensive geographies. Deliverables include classified point clouds, digital surface and terrain models (DSM/DTM), orthophotos, contour datasets, and engineering-grade topographic maps. Applied across transportation networks, urban expansion, electrification, and large-scale land development.



SPATIAL DATA ENGINEERING AND ANALYTICS

Conversion of raw aerial data into structured geospatial datasets through advanced GIS workflows. Capabilities include property enumeration, land-use classification, infrastructure mapping, and terrain modelling. Outputs are designed as data architectures that integrate into planning, valuation, and operational systems.



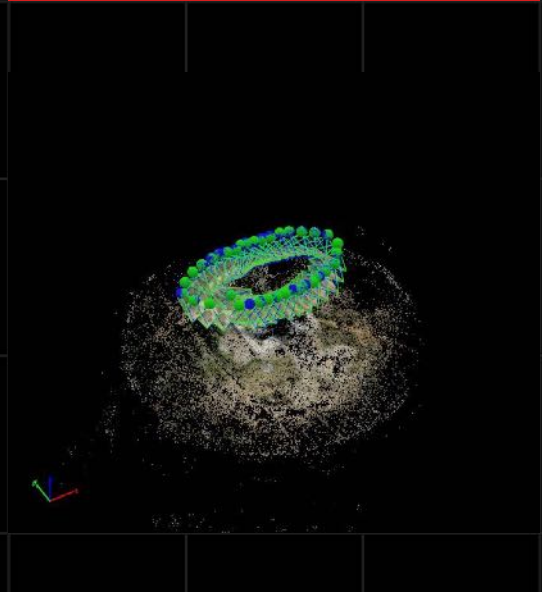
URBAN PLANNING AND INFRASTRUCTURE INTELLIGENCE

Spatial intelligence supporting corridor alignment, right-of-way mapping, infrastructure inventories, flood risk analysis, community mapping, and resettlement planning. These datasets reduce uncertainty in early-stage planning and improve downstream execution outcomes.



3D MODELLING AND DIGITAL TWIN INTEGRATION

High-fidelity 3D environments and point clouds compatible with Autodesk, Revit, Bentley Systems, BIMx, and ArchiCAD. Supports simulation, design validation, and as-built versus as-designed analysis within engineering workflows.



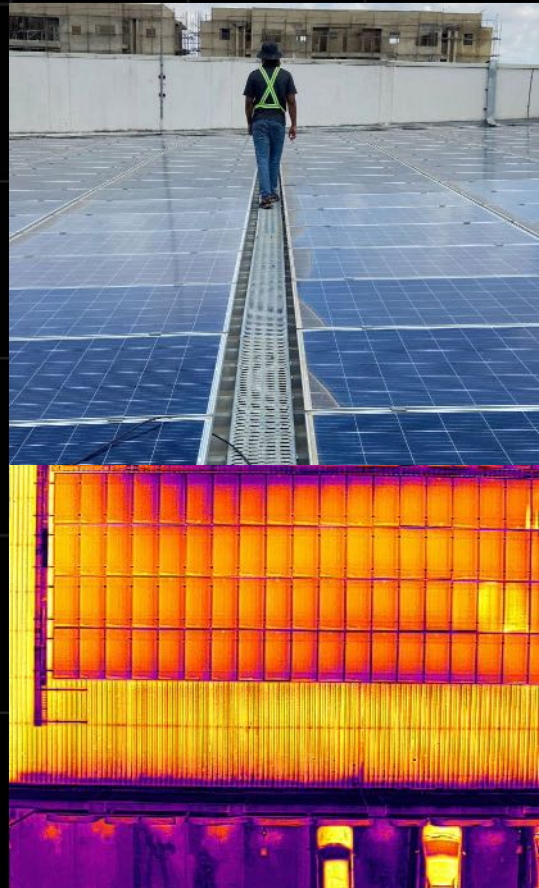
PROJECT MONITORING AND VERIFICATION

Time-series aerial monitoring and structured reporting across project lifecycles. Used for construction validation, quality assurance, claims support, and stakeholder reporting. Outputs form verifiable, auditable records of project execution.



SOLAR ASSET INSPECTION & THERMAL DIAGNOSTICS

Aerial inspections of large-scale rooftop solar installations for energy sector clients, delivering high-resolution RGB and radiometric thermal imagery for fault detection and performance analysis. Engagements have been executed in partnership with international energy and geospatial analytics firms, utilizing enterprise-grade UAS platforms with multisensor payloads to achieve sub-5cm GSD across multi-section installations. Collected data feeds directly into third-party analytics pipelines, generating actionable maintenance intelligence for asset owners and operators.



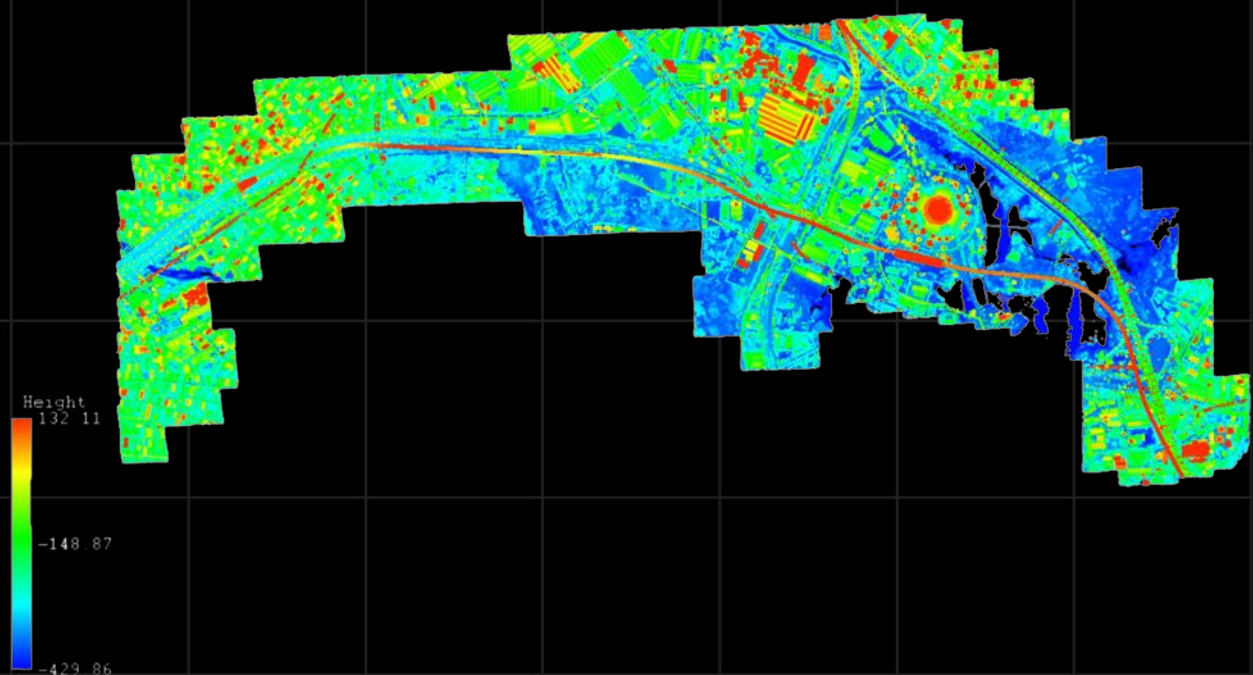
Additional capabilities include volumetric and earthworks analysis, energy and utilities asset inspection, agricultural intelligence systems, post-event damage assessment, and training and capacity development.

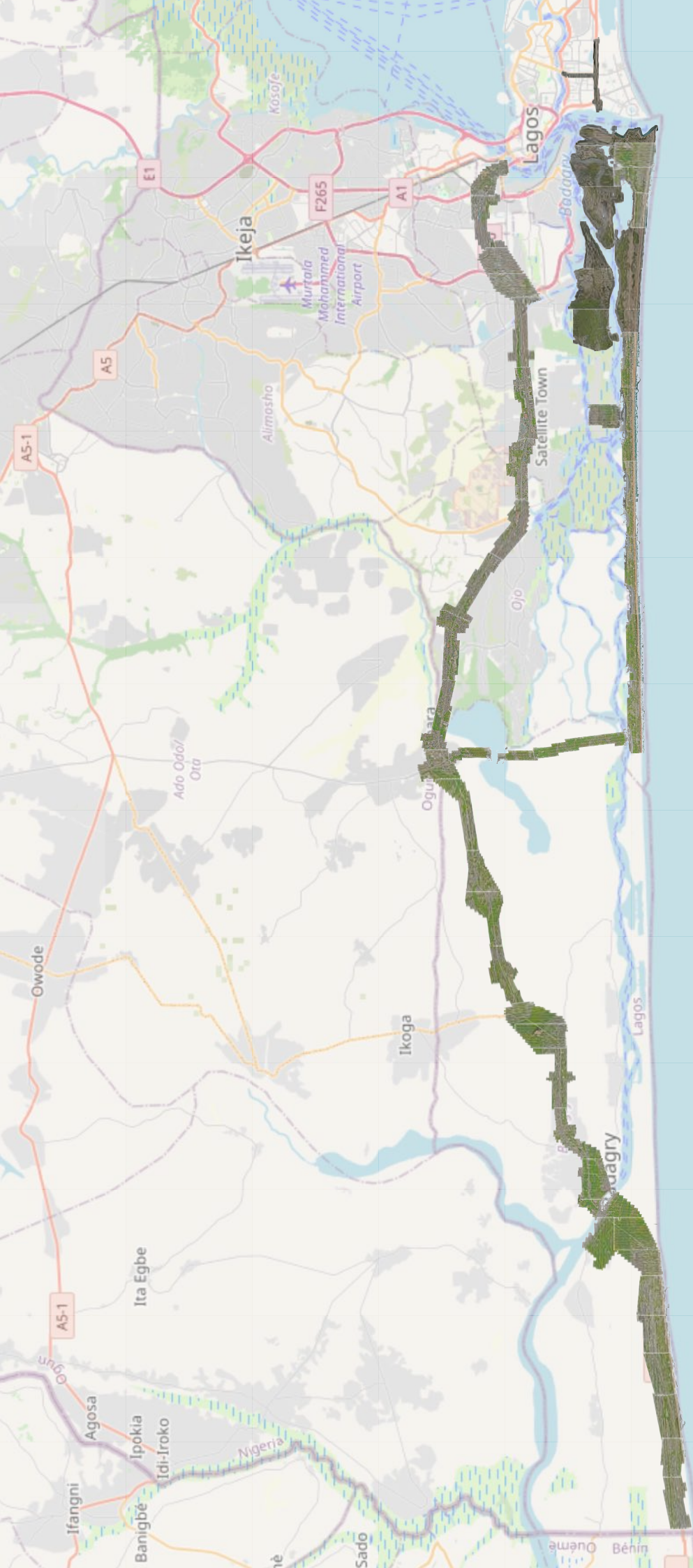


SELECTED ENGAGEMENTS

Lagos - Seme Lidar Mapping — 10,663 Hectares

Survey-grade spatial data across a large urban geography of over 80 kilometers was required to underpin infrastructure planning and capital allocation decisions. AAG executed a full LiDAR and RGB mapping programme, delivering classified point clouds, DSMs, DTMs, contour datasets, and orthophotos to survey-grade specification. The output gave planners a verified, authoritative spatial baseline for a geography that previously lacked one.

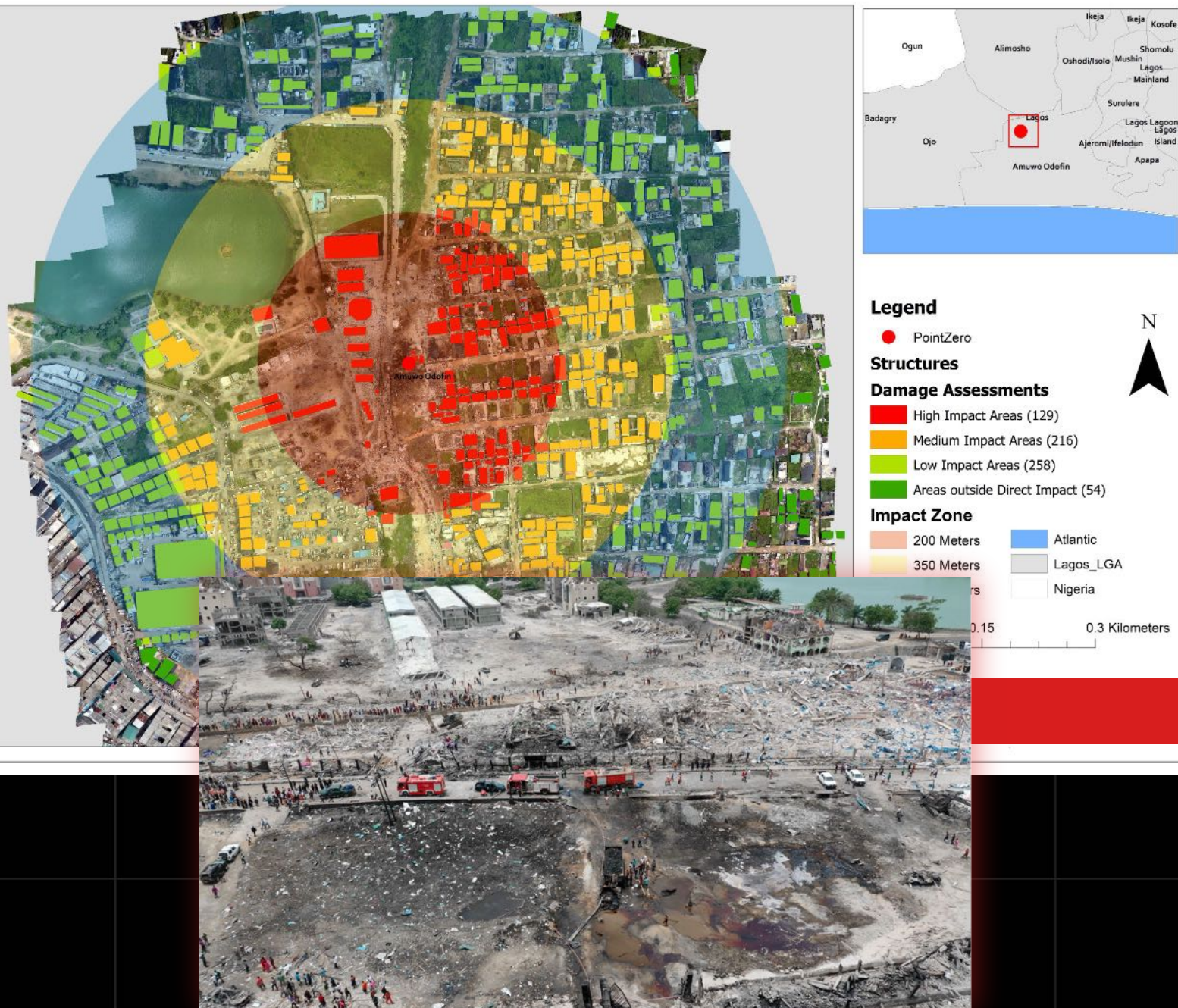




Post-Incident Damage Intelligence — Abule-Ado, Lagos

Following the Abule Ado explosion, AAG conducted rapid aerial data acquisition and GIS analysis with a technical partner across the affected area. The programme produced structured spatial damage classification, enabling a quantitative loss estimation of approximately NGN 6.7 billion. The outputs directly supported emergency response coordination and provided the evidentiary basis for insurance and recovery processes. Speed and defensibility were both critical: the data needed to hold up to scrutiny at the same time as it guided immediate decisions.

DAMAGE ASSESSMENT OF ABULE-ADO GAS EXPLOSION [15-03-2020]





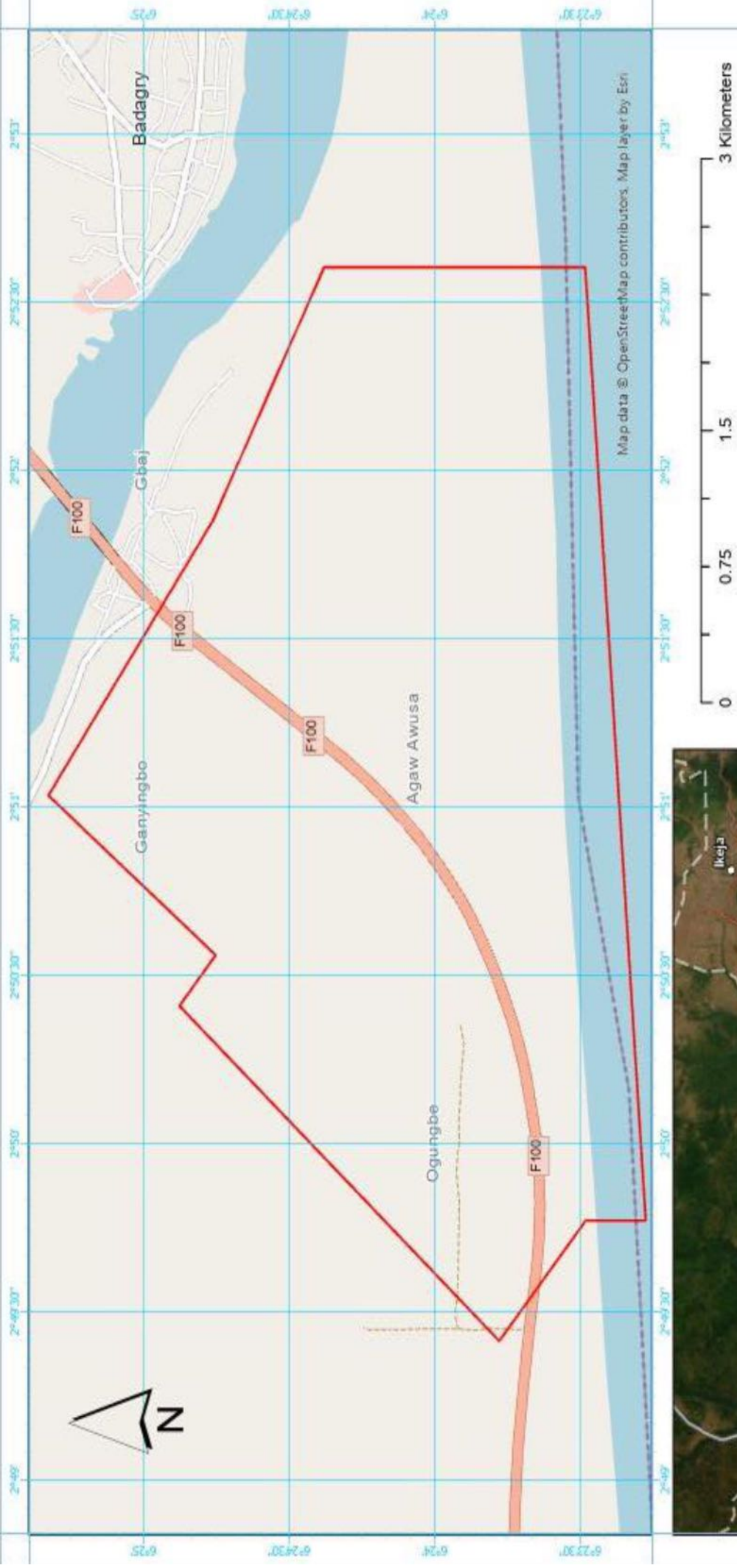
Community Mapping and Resettlement — Badagry, 1,119 Hectares

Infrastructure development across 19 communities required precise spatial data to support alignment decisions and resettlement planning. AAG and a technical partner delivered high-precision mapping and property enumeration across the full programme area, providing the structured dataset needed to manage community engagement, resolve boundary questions, and sequence infrastructure delivery with confidence.



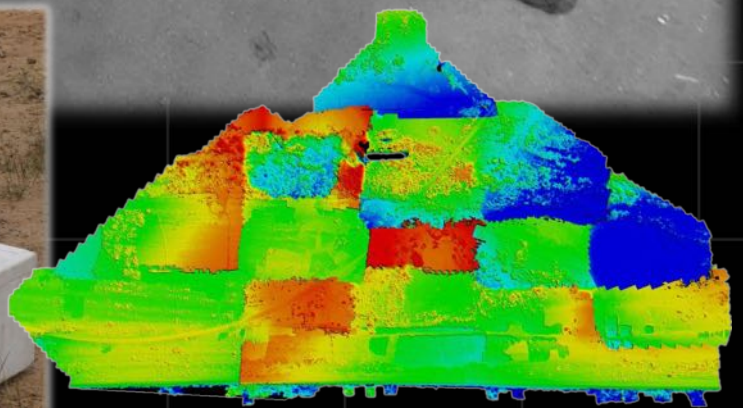
The image above shows the distribution of the ground control points.

MAP SHOWING BADAGRY PORT COMPLEX



Legend
 — Project Boundary

Data Source:



Agricultural Development Mapping — Ekiti, 6,000 Hectares

Large-scale agricultural investment required a spatial planning foundation before development could proceed. AAG and a technical partner mapped the full 6,000-hectare programme area, producing datasets that supported phased land development decisions and investment sequencing.



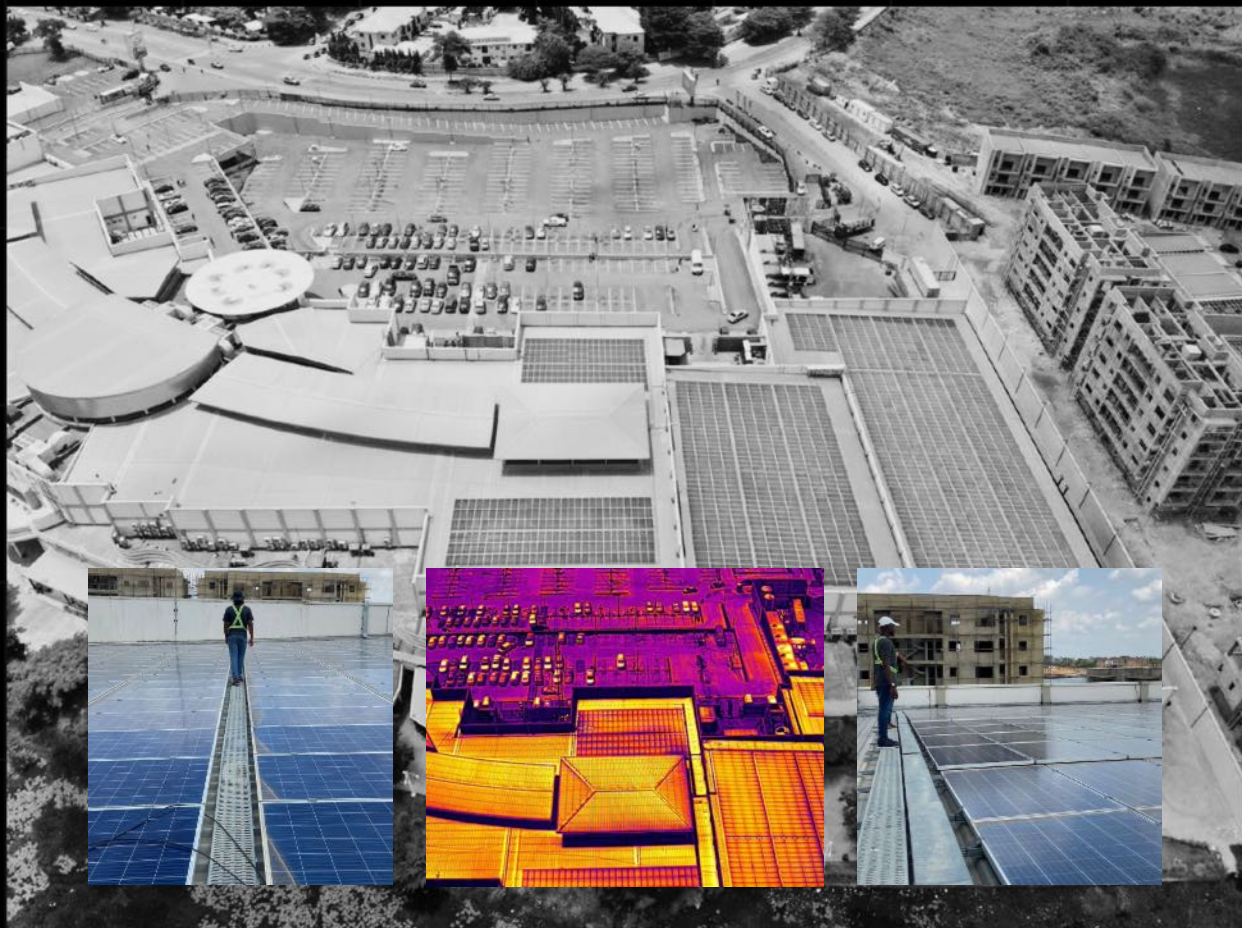
Precision Agriculture Operations — Kwara, 2,000 Hectares

Drone-enabled spraying operations and NDVI analysis across 2,000 hectares improved input efficiency, reduced costs, and enabled early detection of crop stress. The engagement demonstrated AAG's capacity to move from data acquisition into operational deployment within a single integrated programme.



Solar Grid Inspection — Jabi Lake Mall, Abuja

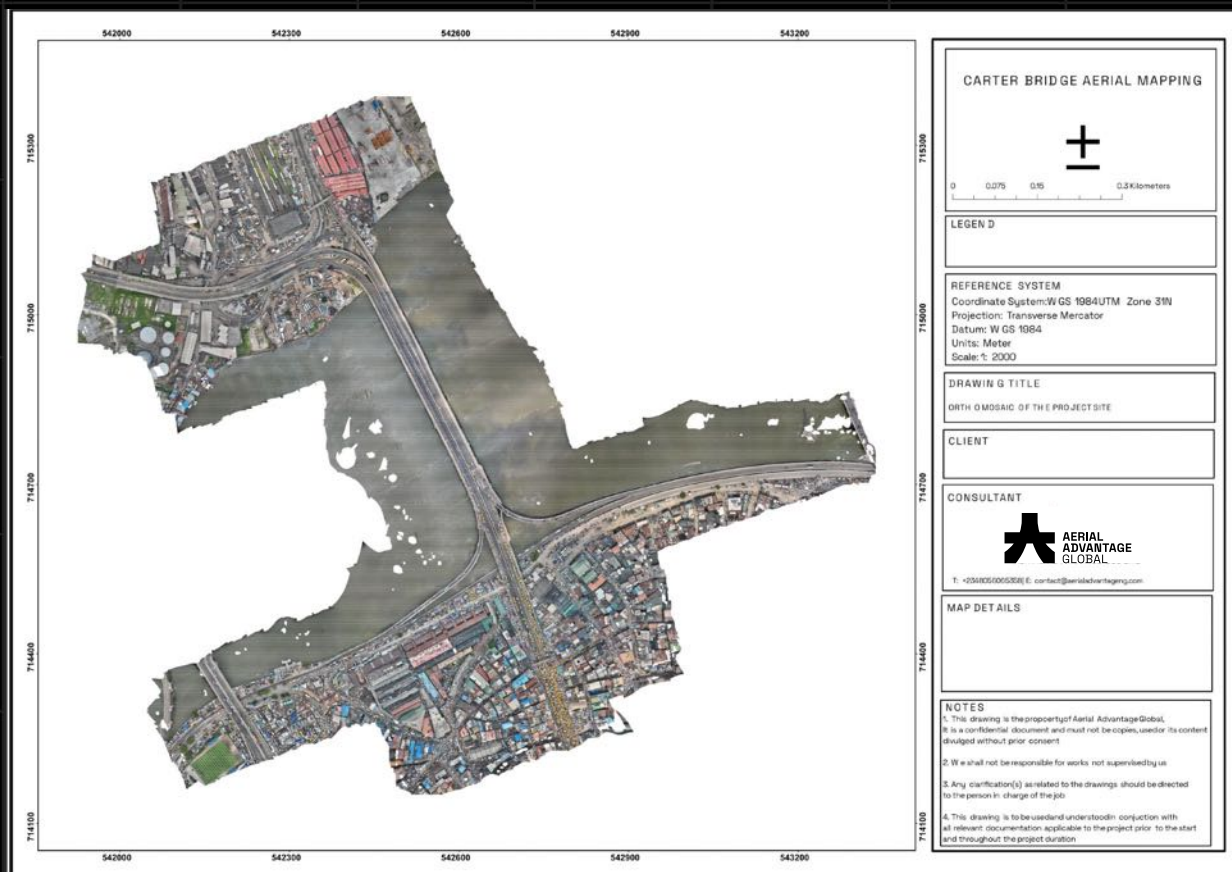
AAG conducted a thermal and RGB aerial inspection of a 609 kWp rooftop solar installation comprising 1,848 panels across four roof sections at Jabi Lake Mall, Abuja. Using a DJI M300 drone equipped with the Zenmuse H20T multisensor payload, the team executed pre-planned mapping flights at 42m AGL, achieving a ground sampling distance of 3.7 cm/px.



Carter Bridge Structural Assessment & Redesign Survey

With the Carter Bridge flagged for structural frailty, AAG was commissioned to acquire the geospatial data required to support its engineering evaluation and redesign. High-resolution LiDAR and RGB sensors were deployed across the full structure, producing dense three-dimensional point clouds and orthoimagery that captured precise geometry, surface conditions, and deformation indicators.

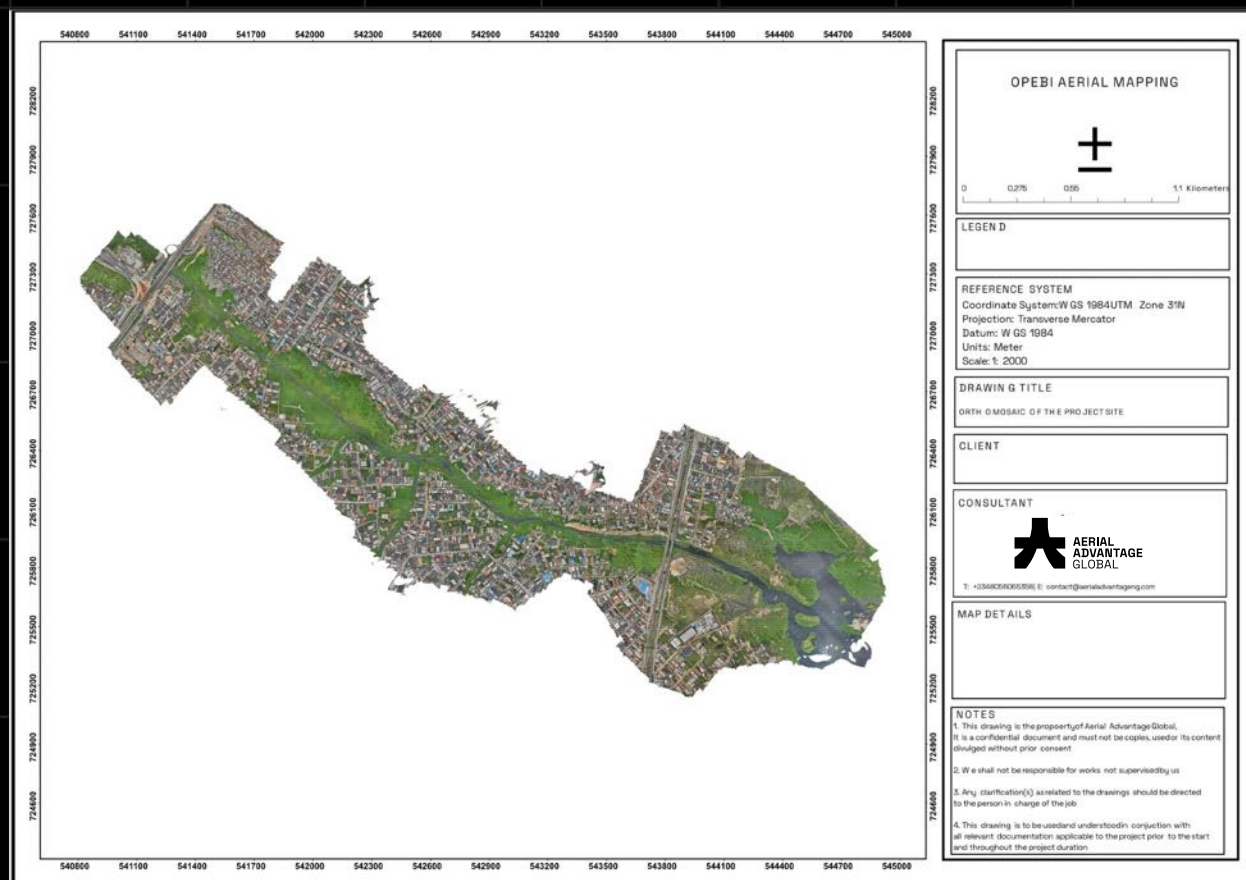
The resulting dataset gave the engineering team a verified spatial foundation for structural analysis and redesign modelling, eliminating the limitations of conventional ground-based survey methods.



Opebi-Ojota Link Bridge — Phase 2 Design Survey

Following completion of the Opebi-Ojota Link Bridge, AAG was engaged to provide the geospatial data infrastructure required to advance the Phase 2 design process. LiDAR and RGB sensors were deployed across the bridge corridor to capture high-resolution, survey-grade spatial data reflecting current as-built conditions.

The acquisition produced dense point clouds, precise surface models, and orthoimagery that gave both the design and Environmental and Social Impact Assessment (ESIA) teams accurate, updated datasets to work from. By grounding the Phase 2 process in verified spatial intelligence rather than legacy survey data, AAG ensured that engineering decisions and impact assessments were built on a reliable, current picture of the site.



SCALE AND CREDENTIALS

- Over 40 major projects delivered
- Single engagements exceeding 10,000 hectares
- Multi-sector execution across infrastructure, agriculture, energy, telecoms, and urban systems
- Advanced capability across LiDAR, photogrammetry, GIS, and spatial analytics
- Trusted by government agencies, developers, utilities, and multinational partners
- Recognised by the African Excellence Awards as Best Mapping and Topographic Survey Specialists

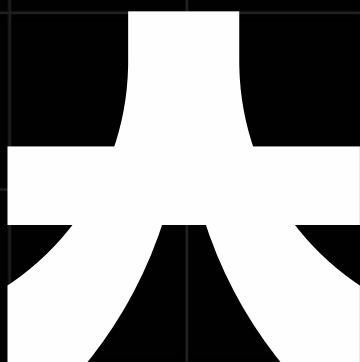
AAG is defined not by the volume of data it produces, but by the certainty it enables.

In environments where precision is critical and ambiguity carries cost, we deliver intelligence that informs decisions, guides execution, and creates measurable advantage.



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