

SADAEM
سدايم



Company profile



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www.Sadaem.com





About Sadaem

Conducting inspections, surveying, and aerial imaging for large-scale and complex sites can be quite challenging. At Sadaem, we leverage advanced drone technology to deliver precise, reliable, and tailored solutions that meet the unique requirements of each project. Whether it's infrastructure inspection, land surveying, or high-resolution aerial imaging, we guarantee accurate data, clear insights, and professional results every time.



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Vision & Mission



Our vision

Our vision is to redefine inspection, surveying, and aerial imaging services by leveraging advanced drone technology, AI-driven analytics, and cutting-edge geospatial solutions. We aspire to expand across Saudi Arabia, setting new benchmarks in accuracy, safety, and premium, data-driven services for infrastructure, construction, and asset management.



Our mission

At Sadaem, we deliver exceptional, innovative, and secure inspection, surveying, and aerial imaging services powered by advanced drone technology. Our mission is to enhance operational safety by minimizing the need for manual access, scaffolding, or high-risk fieldwork. We strive to transform aerial inspection and geospatial services by delivering accuracy, efficiency, and advanced data-driven solutions.

Key Services and Applications



Surveying and Mapping



Inspection & Monitoring



Security & Surveillance



Aerial Photography & Videography



Drone Based Solution



Engineering Services



Wind Tunnel Inspection



Training & Consulting



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Industries we Serve



Oil & Gas



Mining



Construction



Energy



Telecom



Transportation



Agriculture



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Oil & Gas

Drone Services for Oil & Gas

- Aerial inspection of pipelines, tanks & facilities
- Thermal inspection & gas leak detection
- LiDAR & topographic surveying
- Monitoring of assets & ROW corridors
- Exploration & geospatial data support
- Emergency assessment & risk monitoring



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Mining

Drone Services for Mining

- Aerial inspection of mining sites & facilities
- Topographic & LiDAR surveying
- Geophysical survey support
- Stockpile volume measurement
- Mine progress & pit monitoring
- Safety & risk assessment





Construction

Drone Services for Construction

- Site inspection & condition assessment
- Topographic & LiDAR surveying
- Progress monitoring & reporting
- Earthworks & volume calculations
- As-built documentation & 3D modeling



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Energy

Drone Services for Energy

- Inspection of power plants & energy facilities
- Thermal inspection for fault & heat-loss detection
- Solar & wind asset inspection
- Asset monitoring & condition assessment



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Telecom

Drone Services for Telecom

- Tower & antenna inspection
- Structural & condition assessment
- Site planning & RF coverage support
- 5G site survey & documentation
- Asset monitoring & progress tracking
- Safety & risk assessment



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Agriculture

Drone Services for Agriculture

- Crop health monitoring & analysis
- Multispectral & NDVI mapping
- Irrigation & water stress assessment
- Field surveying & mapping
- Yield estimation & progress monitoring
- Precision agriculture support



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Transportation

Drone Services for Delivery & Logistics

- Last-mile delivery support
- Remote area & emergency delivery
- Route planning & optimization
- Real-time monitoring & tracking
- Warehouse & yard mapping
- Safety & operational efficiency support



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☀ GPR & Underground Utility Mapping

- GPR-based subsurface surveys for underground utility detection
- Mapping of buried utilities (power, telecom, water, gas pipelines)
- Identification of utility locations and depths with high accuracy
- Reduction of excavation risks and utility conflicts
- Integration with UAV, LiDAR, and GIS data
- Engineering-ready maps and technical reports (AutoCAD & GIS compatible)



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☀ Drone-Borne Magnetometer Survey

- UAV-based magnetometer surveys for mineral exploration and subsurface investigations
- Detection and mapping of magnetic anomalies across large and inaccessible areas
- High-resolution data acquisition with precise flight control and positioning
- Support for geological interpretation, target identification, and exploration planning
- Engineering- and interpretation-ready datasets and technical reports



☀ Aerial Photography & Project Documentation

- High-resolution aerial photography and video capture using UAVs
- Professional documentation of projects and construction progress
- Visual monitoring of sites, assets, and infrastructure
- Periodic progress reporting for stakeholders and decision-makers
- Integration with mapping and inspection workflows
- High-quality visual deliverables for reports, presentations, and marketing

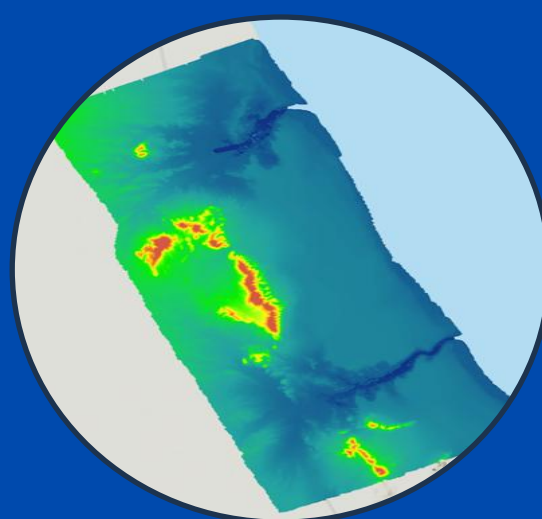
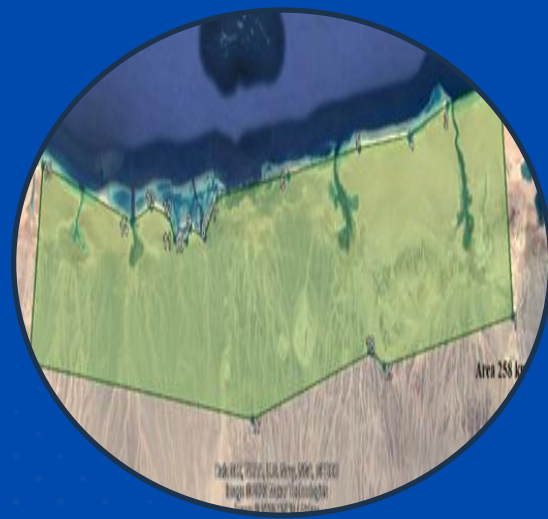




Previous Projects

Construction & Infrastructure

- **Abu Dhabi Ports – Port Abu Umama (Red Sea):** UAV aerial topographic survey (250 km²); 4 cm imaging accuracy (GSD).
- **Prophet's Hijrah Route (Makkah–Madinah):** topographic land surveying and corridor imaging (470 km).



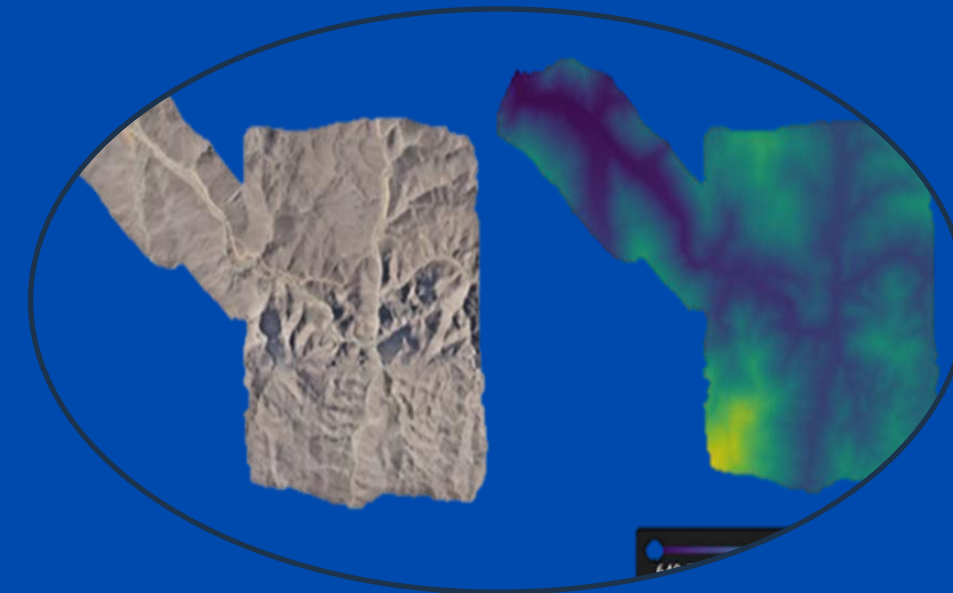
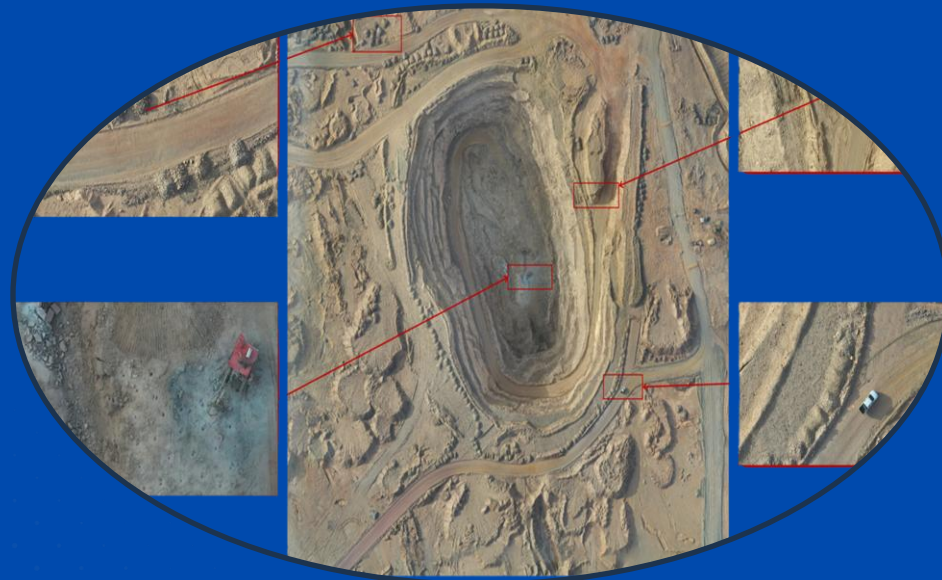
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Previous Projects

Mining

- **Suhanit Mining Company:** UAV aerial mapping (8 km²); 3 cm imaging accuracy (GSD).
- **Moroccan Mines Project:** surveying & mapping; stockpile management; blast planning and monitoring; infrastructure inspection.



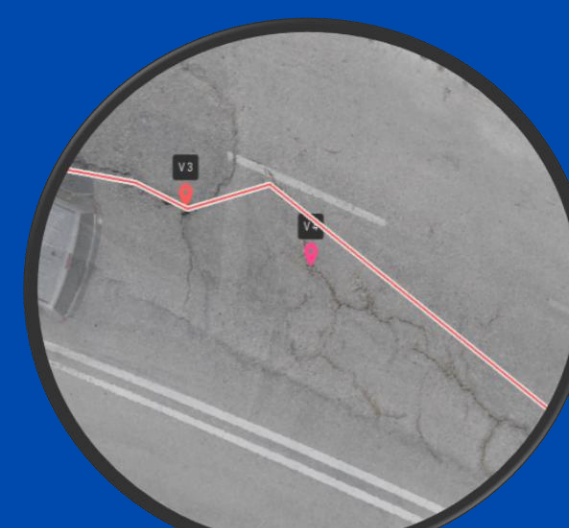
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Previous Projects

Facilities Management & Structural Monitoring

- **King Fahd University:** visual deformation detection and monitoring.
- **Surroundings of Al-Masjid an-Nabawi (Madinah):** visual deformation monitoring and detection.



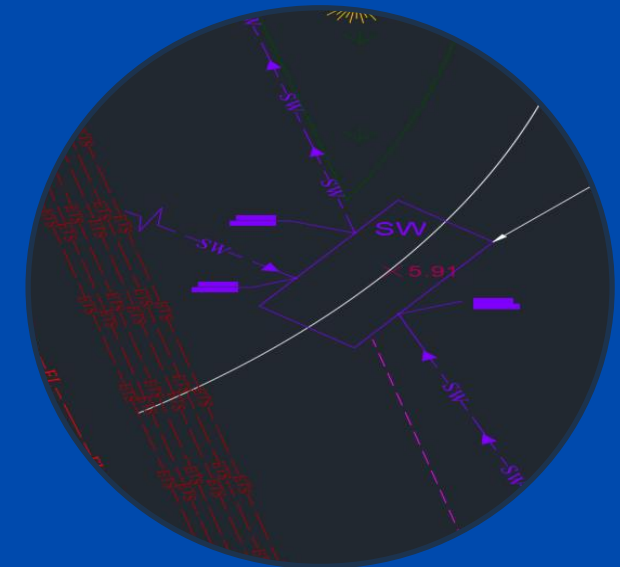
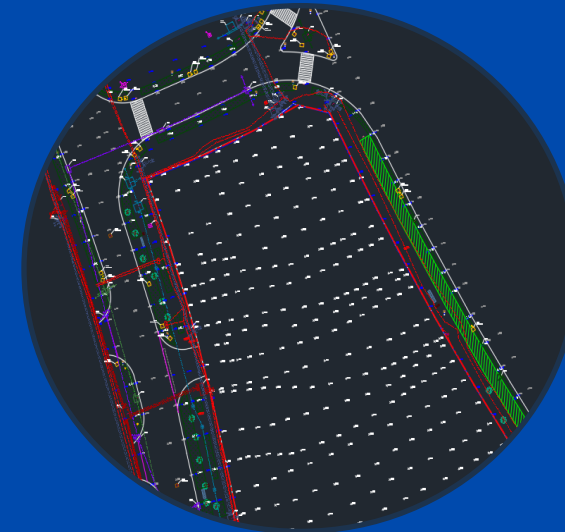
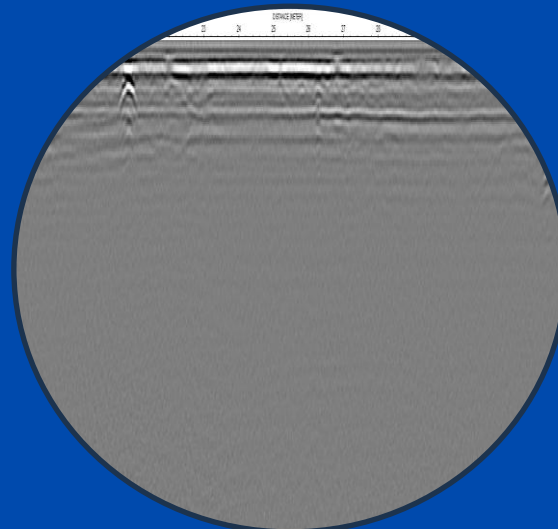
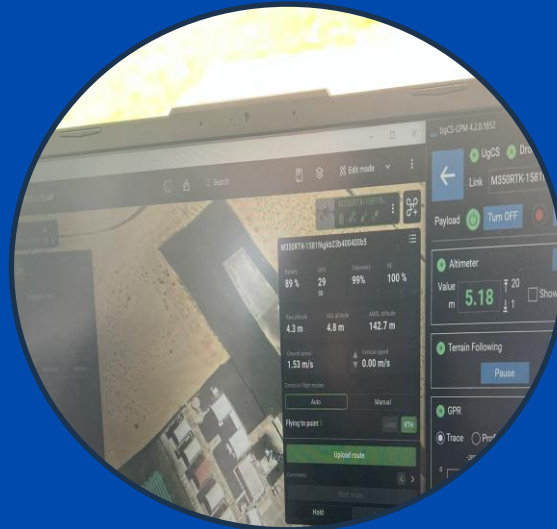
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Previous Projects

GPR & Underground Utility Mapping

- A commercial complex project involving topographic surveying and high-accuracy mapping. Underground utility mapping using GPR was completed, delivering integrated surface and subsurface maps for design support.



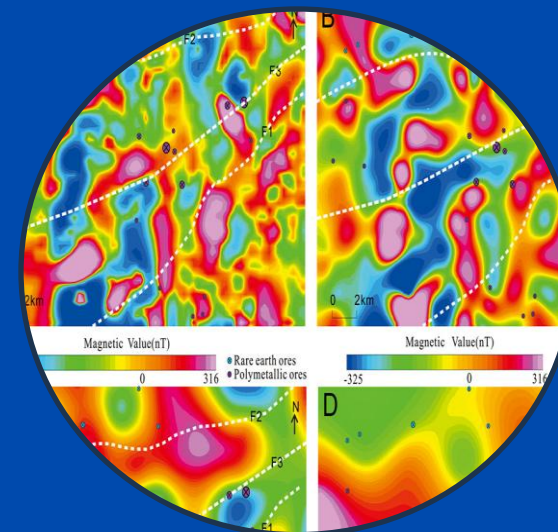
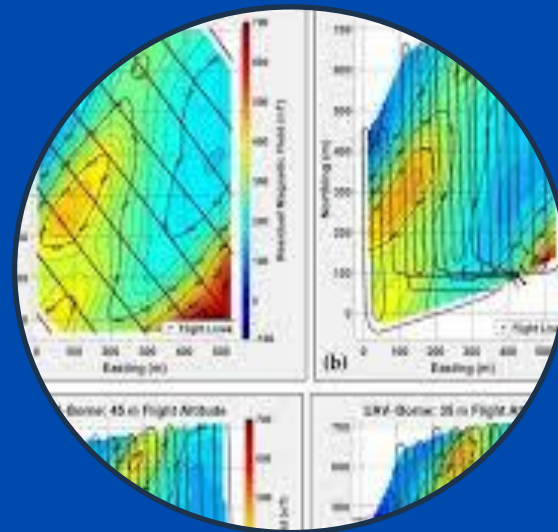
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Previous Projects

Aerial drone magnetic survey mineral exploration

- Aerial drone-based magnetic survey for mineral exploration successfully completed in Saudi Arabia, utilizing high-resolution magnetometer data for subsurface characterization.
- The project covered data acquisition, MagArrow-1 processing, interpretation, and final technical reporting to industry standards.

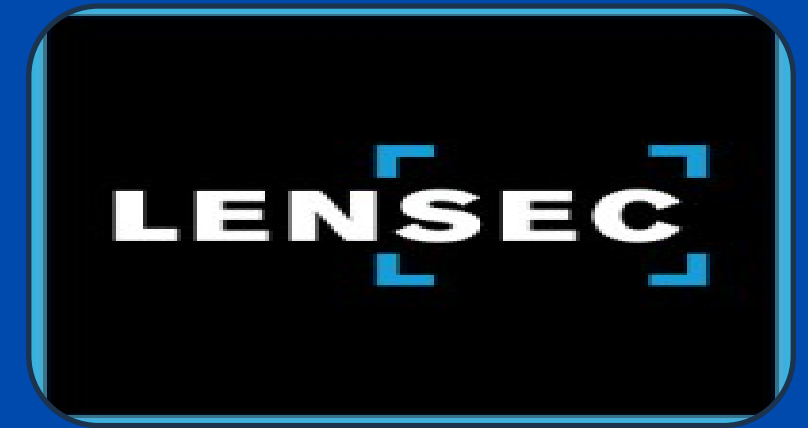


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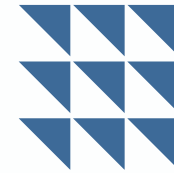




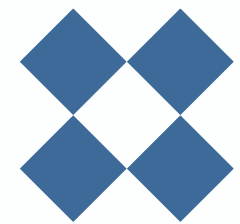
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