

YOUR TOTAL GEOSPATIAL SOLUTIONS PROVIDER



SPACE IMAGING MIDDLE EAST Your Total Geospatial Solutions Provider

As a first commercial satellite imaging company in the Middle East, we changed the way you look at the region with daily imaging at various resolutions, making Imagery quickly available.

Our Satellite and Aerial Imagery is supported by our GIS Department which offers tailored specialized software solutions.

We are a total solutions provider offering enterprise level services in partnership with leading technology enterprises around the world.



SATELLITE IMAGERY

esri

1997: SIME Established



AERIAL IMAGERY

1998: Receiving Station

Google



GIS SOLUTIONS



GIS PRODUCTS

2003: GIS Solutions

2015: M-Government Initiative

Revolutionizing Satellite Imagery Products & GIS Solutions in the region since 1997 2000: 1M Resolution Imagery

2009: WorldView Global Alliance 2004: Aerial Imaging & Mapping 2011: Commercial UAV Project 2011: Google Partnership ERIAL *I*IRATES SPACE GAFAG MAXAR TECHNOLOGIES





2002: Europe Receiving Station







DATA PROVISIONING: SATELLITE IMAGERY

- Access to most agile and sophisticated constellation of high-resolution commercial earth imaging satellites.
- Capable of collecting over 1 billion km2 of quality imagery per year
- Offering intraday revisits around the globe.
- Tasking Capabilities and Subscription Programs along with Global Base Map
- Literally Billions of SqKms of Archive Imagery

WORLDVIEW3 SATTELLITE IMAGE







AERIAL IMAGERY

We pride ourselves with a team of professional and experienced pilots and ground station crew. Our pilots have successfully completed countrywide aerial missions across the region.

SIME operates a full-fledged and specialized Aerial division that provides a complete suite of aerial imagery products and services. With its own fleet of aircraft, specialized crew, access to the latest technology in digital photography equipment, and an experienced team of aerial imagery experts, SIME custom collects aerial imagery at resolutions ranging from 5cm-50cm.

SENSORS



VEXCEL ULTRACAM EAGLE



IGI THERMAL CAMERA



OBLIQUE IMAGE SYSTEM



LEICA ALS60 AND SPL100









UAV CAPABILITY



770 KM Resolution: 30 cm to 10 m Area > 100 km²



0.3 KM Resolution: 2 cm to 40 m $1 \text{ km}^2 < \text{Area} > 1,000 \text{ km}^2$

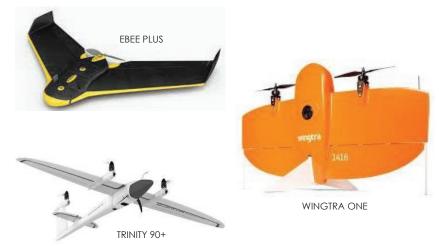


3 KM Resolution: 10 cm to 40 cm Area > 1,000 km²



GROUND Resolution: No Imagery Area < 1 km²

FIXED WING FLEET



APPLICATIONS

- Mapping and cartography
- Oil and Gas
- Natural resources management
- Land use classification
- Landscaping
- Urban and rural planning
- Disaster monitoring
- Project monitoring
- Forestry
- Mining
- Agriculture
- Power lines and roads
- Topographic mapping
- Inspection
- Project Advertising





SENSORS





RGB - 20 MP

RGB - 42 MP



MULTI-SPECTRAL



THERMAL CAMERA



www.spaceimagingme.com P.O. Box 35391, Dubai, United Arab Emirates

ROTARY WING FLEET



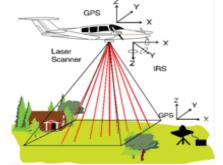
MAPPING CAPABILITY

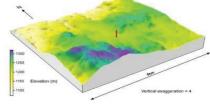
GROUND CONTROL POINTS

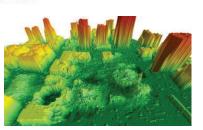
Prior to the aerial photo acquisition and mapping, AISA/ SIME will establish Pre-signalized ground control points based on the provided geodetic network using cutting edge technology and equipment for the survey including the last generations of GPS devices and software to insure perfect and reliable results.



LIDAR - LASER TECHNOLOGY







3D FEATURE EXTRACTION All features will be captured in 3D from the stereo models. All vertexes will include their Z



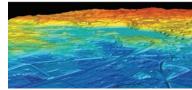
MAPPING PRODUCTION



TRUE ORTHO MOSAIC



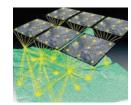
FEATURES EXTRACTION



DTM PRODUCTION



3D CITY MODELING



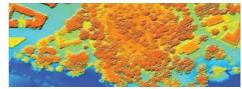
AERIAL TRIANGULATION



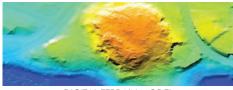
value.



ORTHOPHOTO



DIGITAL SURFACE MODEL



DIGITAL TERRAIN MODEL

ORTHOPHOTO RECTIFICATION





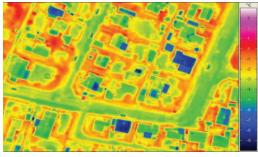
STANDARD ORTHOPHOTO

TRUE ORTHOPHOTO

THERMAL MAPPING

Mapping the temperature of the surface.

Thermal aerial survey of heat loss from buildings, pipe networks and industrial plants.





MOBILE MAPPING

LASER SCANNER

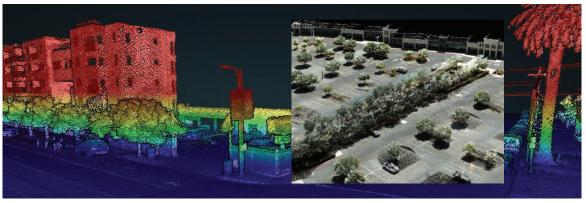


- Laser Properties: Class 1 (eye safe), 1550 nm
- Absolute Accuracy: 25-35mm RMSE @ 250m Range
- Range Min: 5 m
- Scan Rate: 750,000 points
- Field of View: 360° Horizontal
- Multiple Echoes: 7
- Range Accuracy: 15mm one Signma @ 150m
- Angular Resolution (Horizontal/Azimuth): Δϑ: 0.06° ≤ Δϑ ≤ 1.5°
- Mirror Speed: 10-100 Hz
- Scanning Mechanism: Rotating Mirror
- Angle Measurement Resolution: 0.001°
- Internal Sync Timer for real-time synchronized time stamping of data

FLEXIBLE PLATFORM



POINT CLOUD



360 CAMERA



LADYBUG 5 USB 3



- 30MP camera
- 12 bit raw uncompressed
- Post processing workflow
- USB3 interface
- Google Maps
- Geometric Vision



3D CITY MODELING





INSPECTION

IDENTIFYING HAZARDS

Tower load bearing members, conduits, ladders, stairways, fasteners, and all load bearing primary and secondary members will be checked, documented and severity of corrosion will be reported.



SPEED

SAFETY

Not only is a drone a safer option, but it can also do the job much quicker than a person. You don't have to think too hard to compare the speed of a drone in flight to that of a person climbing.

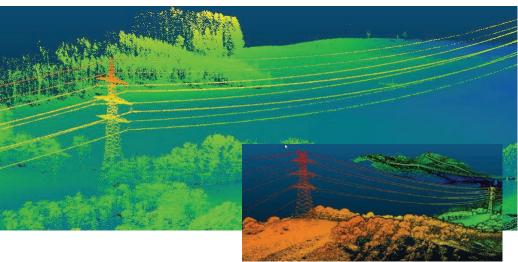
COST

Liability insurance is expensive, and so are the personnel costs associated with training someone to do a manual tower inspection, as well as the hours required to actually do the inspections. Since drones are faster and much less risky in terms of liability.



If a drone crashes, the resulting loss can be measured in dollars, not in life or livelihood. The less time a person is on a tower, the better.

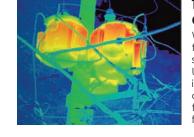
LIDAR SURVEY



THOROUGHNESS

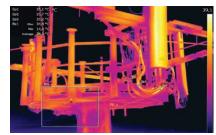
Collect enough data in a few short flights to create a thorough 3D map of the tower being inspected. In addition we can identify changes from a prior 3D model immediately revealing places where degradation may have happened since the previous inspection.





THERMAL SENSOR / CAMERA

We use thermal imaging to detect breakage, faulty structures and energy loss. Using drone thermal imaging can detect an area that may be prone to malfunction in the future.





FLARE INSPECTION

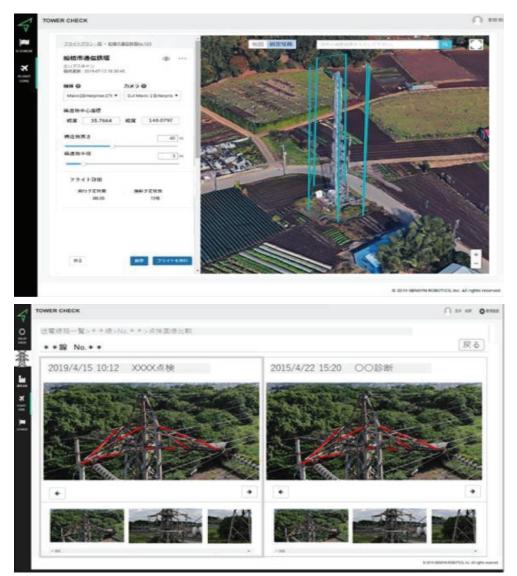


IR SURVEY



SECURED DATA STORAGE

We store a visual record of your asset, together with condition information; meaning it can be quickly and easily accessed and used as a reference point to compare with future inspection data.



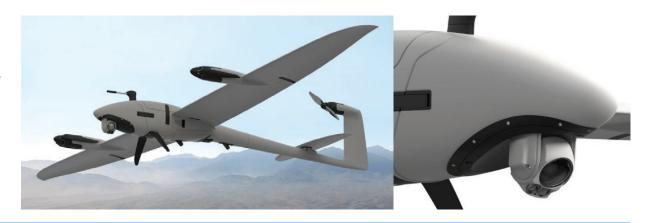


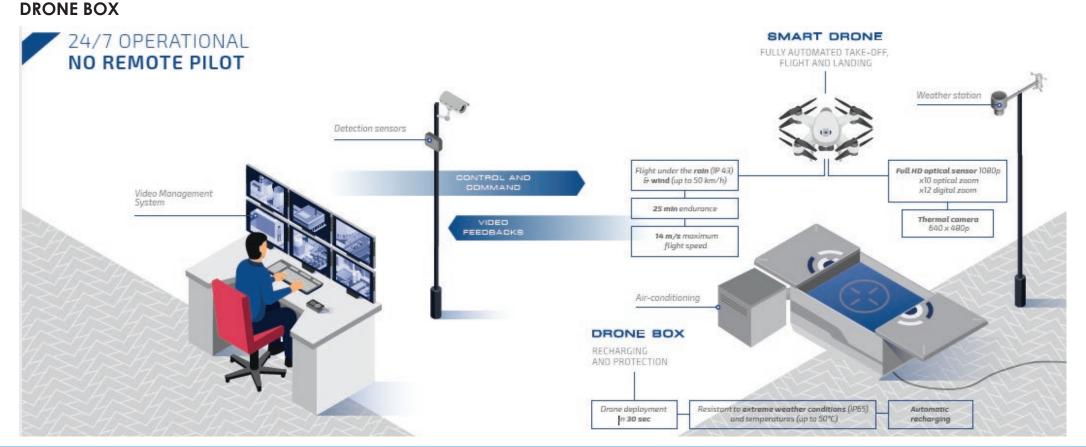
SECURITY

SURVEILLANCE DRONES

VECTOR - The 2-in-1 vertical take-off reconnaissance UAV

Flexible and enduring, the Vector provides flight and surveillance characteristics that are exceeding performance of current UAV platforms in service all over the world. The ability to operate in the most difficult terrain (VTOL) combined with extremely low noise emission (motor off silent mode) makes the Vector the perfect UAV for a wide range of non invasive aerial operations. An encrypted mesh IP link sends video streams up to a range of 15+ km. A flight time of up to 120 minutes speaks for itself. All combined in a compact and robust electric VTOL UAV.







GIS SOLUTIONS





Geospatial Products

In-house development of custom GIS Software applications



GIS Portals

GIS enabled web portals With thematic maps & analytics



Database Management

Spatial Database Design, Integration, Management & Implementation



Enterprise Solutions

Turnkey Enterprise solutions to meet growing Demands of GIS enabled businesses



App Development

Developing native apps for Android, iOS and Blackberry devices



GIS Training

Custom GIS & Remote Sensing training programs to meet all your requirements

SOFTWARE DEVELOPMENT



SOFTWARE PRODUCTS



Next-generation web-based map application designed and developed to tailor the needs of organizations that want to publish their GIS data over the Intranet or Internet with permissions based access to different map services, layers, attributes, search results and identify features.

- Responsive UI -HTML5
- Improved Map Management with support for multiple maps
- Comprehensive Data Access Control
- User permissions on layers and . attributes
- Support for Tiled Map Services for . better map performance
- Support for Google Maps
- Search based on suggestions using advanced caching







ANALYSTPLUS

This geospatially powered system, transforms vast amounts of complex data into actionable intelligence.

Analyst Plus is a versatile geospatialintelligence tool for disaster management, mission planning, command & control centers, home land security, as well as defense and military organizations.







A 3D globe visualization environment, which allows you to interactively display and analyze geographic data; both raster and vector.

TECHNOLOGY

- Built on Skyline Terra Explorer API .
- Completely developed in-house -Local Support

BENEFITS

Web Based: In addition to the desktop version

3D Terrain Model: Compressed and Optimized

3D City Model: Optimized for Performance

Simulations: Create, Save, Share Plans

Multi-Lingual: Available in Arabic

Analysis: Proximity, Measurements, Visibility

Integration: ESRI, OGC, Oracle Spatial

Portable: Clip and Ship Data as Portable Package

Access Control: Manage who can see what





Support for ESRI ArcGIS