## **DRONE DATA PROCESSING & ANALYTICS**

For Quarry, Mining and Construction

Gulf Positioning can provide you with the complete end-to-end solution that will significantly benefit your quarry project.

Redbird is a monitoring platform for Mining and Aggregate Operations. It provides the most advanced solution to capture, process and manage drone acquired data. With Drone Data Collection and Redbird Analytics managing your guarry becomes more efficient and profitable.

#### **DATA PROCESSING & MODELING SERVICES**

Inventory Management Quickly measure your stockpiles

Haul Road Optimization Measure grades, widths and curves radius

**Monitor Progress Operations** Perform pre and post blast analysis







## **Increase Your Effectiveness on the Jobsite**

Turning drone data into actionable intelligence for mining and construction to monitor your assets and increase overall effectiveness on job sites.

### **STATIC LASER SCANNING SOLUTION**

Gulf Positioning Systems use Trimble branded 3D laser scanners, making 3D laser scanning surveys fast and efficient. Our high definition 3D digital capture techniques gather a large amount of field information in a very short period of time. The process works by capturing a series of high definition scans on site that can be processed immediately for analysis.



#### **AERIAL IMAGING SOLUTION**

Gulf Positioning Systems provide a complete aerial surveys and aerial photography solution, using cutting-edge Unmanned Aerial Vehicle (UAV) technology. From the resulting data we can provide you with precise geo-referenced data, stunning high resolution photography, smooth video footage and a range of high quality 3D deliverables.

CONTACT YOUR SCANNING AND MOBILE MAPPING SOLUTIONS PROVIDER FOR MORE INFORMATION

**Gulf Positioning Systems, LLC** PO Box 64922, Jebel Ali United Arab Emirates

+971 56244 6597 Mobile +971 4 8876836 Office info@gulfpositioning.com Email www.gulfpositioning.com Web

**Sister Companies:** SITECH

**ALLTERRA** AllTerra Gulf www.allterragulf.com

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## **MOBILE SPATIAL** APPING SOLUTION

e mapping is the process of capturing geospatial data from a mobile platform. It bridges the gap between terrestrial and aerial laser scanning. Gulf Positioning Systems deploys the Trimble MX2 Mobile Mapping System to collect point cloud data and imagery of route corridors such as highway networks, railway systems and urban areas.

SITECH Gulf www.sitechgulf.com





# Scanning & Mobile Mapping Services

INCREASE FIELD PRODUCTIVITY WITH THE LATEST SCANNING TECHNOLOGY



Your Scanning and Mobile Mapping Solutions Provider



## MAP MEASURE MODEL



## GULF POSITIONING PROVIDES THE SERVICES YOU NEED TO EFFECTIVELY MANAGE YOUR PROJECT

## **Trimble TX8** 3D LASER SCANNER

High Performance for

**Demanding Applications** 

TX8 delivers high-density 3D point clouds.

The Trimble TX8 is ideal for capturing detailed data on

existing conditions. Making high-speed measurements

without compromising range or precision, the Trimble

## Trimble MX2 MOBILE MAPPING

Accuracy

up to 1cm

Range

250m



**Measurement Rate** 

Dual laser head:

72000 points per second

RangeAccuracy340m2mm / 80m

Measurement Rate 1 million points per second

## **APPLICATIONS** 2D Modeling **3D** Animations 3D Modeling Aerial LiDAR **As-Built Surveys BIM Conversion** CAD Conversion **Construction Monitoring Deformation Analysis** Floor Flatness **GIS** Integration Land Surveying Photogrammetry Revit Modeling CAD Scan to BIM Terrestrial Laser Scanning

3055	APPLICATION	s	
	GIS	<ul> <li>Assets Management</li> <li>Road Maintenance</li> <li>Services</li> <li>Utilities</li> </ul>	
	Water	<ul> <li>Combined Bathymetry</li> <li>Waterways</li> <li>Harbours</li> <li>Logistics</li> </ul>	
	Logistic	<ul> <li>Transportation</li> <li>Airports</li> <li>Harbours</li> <li>Industrial</li> </ul>	T.
	Mining	<ul> <li>Stockpiles</li> <li>Volume Computations</li> <li>Monitoring</li> <li>Site Inspection</li> </ul>	
	Earthworks	<ul> <li>Stockpiles</li> <li>Volume Computations</li> <li>Roading</li> <li>Site Inspections</li> </ul>	and a

## **STATIC LASER SCANNING SOLUTION**



## MOBILE SPATIAL MAPPING SOLUTION

## Trimble UX5 HP AERIAL IMAGING

Capacity up to 50 min flight time

36 megapixels

**Sensor Resolution** 

52km

Range

#### **APPLICATIONS**

• Boundary & topographic surveys

Survey grade mapping

- Power line modeling
- Shoreline mapping
- Site & route planning
- Progress monitoring / reporting
- As-built surveys
- Resource mapping
- Disaster analyses
- Volume determinations
- Quarry inspections
- Asset inspection

## High Precision for Survey Applications

The Trimble UX5 HP is a professional aerial mapping system, designed to capture the highest image accuracy for survey applications. New UX5 High Precision includes an integrated Trimble GNSS receiver and a powerful new camera.





Versatile Mobile Mapping

for Geospatial Surveys

## **AERIAL IMAGING SOLUTION**

