

AL WARQA SURVEY ENGINEERING

SETTING UP THE NEW HORIZON OF SURVEYING

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About Us

- ❑ We, **Al Warqa Survey Engineering** are one of the best surveying companies in the United Arab Emirates. We use the most advanced surveying instruments and software to conduct our survey.
- ❑ Al Warqa Survey Engineering was formed in May 2001 but our team has been in the field of surveying for many more years, working with reputed consultants.
- ❑ Our Branches
 - ❑ Al Warqa Survey Works LLC, Abu Dhabi, UAE
 - ❑ Galaxy Geomatic Technologies Pvt Ltd , Hyderabad, India
 - ❑ Galaxy Geomatic Technologies Pvt Ltd , Delhi, India




Mission

- ❑ Our mission is to build a strong, viable and long term relationship with our customer, by providing excellent service conforming to international standards in a short span of time.



What we do...

- Surveying is the foundation for all future developments
 - Our experienced survey team provides efficient and accurate surveying services for residential, commercial, industrial, institutional and government clients
 - On-shore & Off-shore Oil and Gas Fields services
 - Apart from survey work, we provide surveying instruments for hire on Daily / Weekly / Monthly basis
- 



Sphere of Activities

- **Topographical Survey**
 - A rigorous measured land survey by **Total Station** and **GPS**
 - Production of accurate topographical site survey maps & three dimensional drawings at required scale and level of detail
- **Traffic Survey** including classification, Volume, Direction, Peak hour Data
- **Setting Out** of Pile Points, Grid Lines, Wall Line and Column Alignment & Pile Caps for Buildings
- **Power Transmission Line Survey** -Electric Poles, Electric Pylon, Route Marker posts, Building line, Gate Levels, Traffic signs cross sections, Fencing, Asphalt-edge ,Gullies, Spot levels etc





Geodetic and GPS control Survey

- Provides basic control or horizontal and vertical positions of points to which supplementary surveys are adjusted
- Two GPS receivers operating in static mode would be positioned on two geometrically suitable, survey control points with known coordinate values and one GPS receiver would be installed on newly established control point. GPS static survey sessions would be carried out for at least 30 minutes
- Our GPS offers sub-metre accuracy & the advantage of not requiring a line of sight between two points. This allows us to set up and cover several miles in a single day



Aeronautical Survey (Height NOC for High Rise Buildings)

- Survey is performed to accuracies required by the FAA (Federal Aviation Administration) Advisory Circulars & NGS (National Geodetic Survey)
- This survey forms the basis of FAA airports GIS initiative and is critical for the development of safe and accurate approach procedures.



DONNA TOWERS



MALL OF THE EMIRATES



Hydrographic Survey

- Acquire data required to chart and / or map shoreline and bottom depths of streams, rivers, lakes, reservoirs and other larger water bodies
- We use Side Scan Sonar, Sub Bottom profiler ADCP – Acoustic Doppler ,Current Profiler ,Tide Gauges, Positioning System with Trimble DGPS 5800 and 5700, Echo Sounder (Ohmex Digital echo sounder), RTK Global Positioning System, Trimble Hydro Software &Tidal Data by Tide Gauge



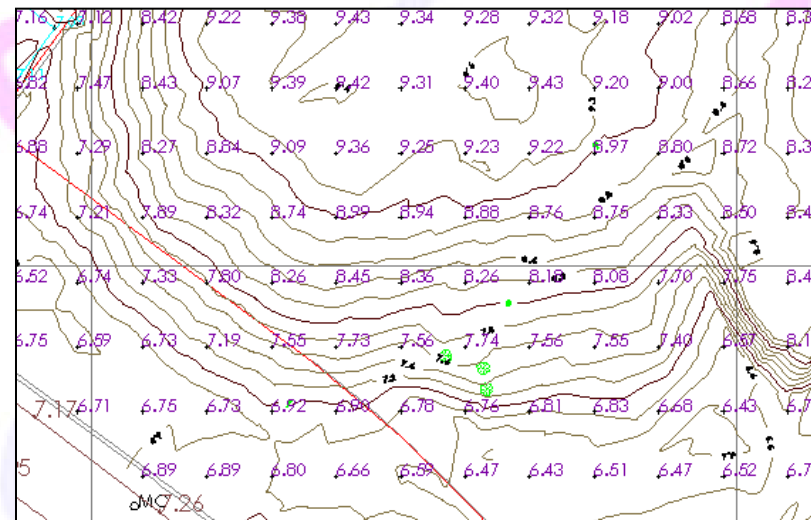
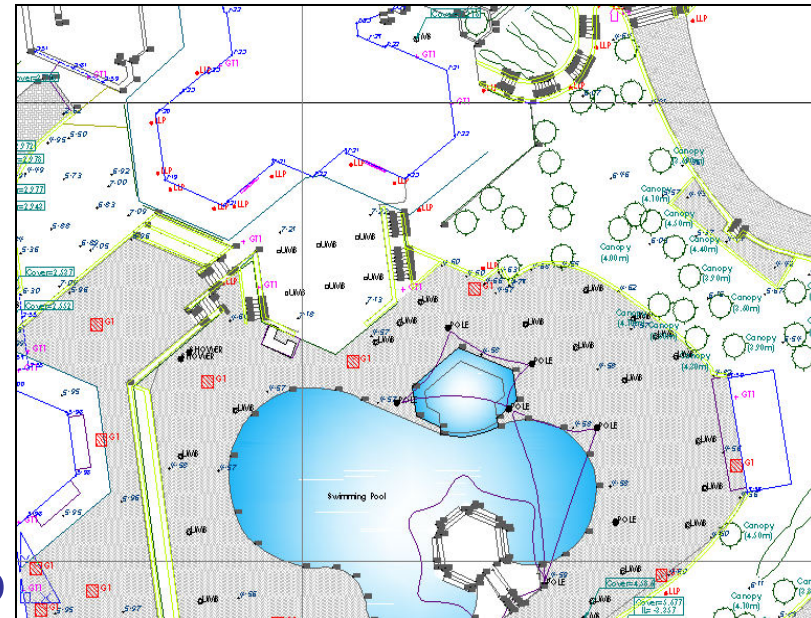
Survey Services for the Oil & Gas Sector

- Al Warqa Survey Engineering offers a wide spectrum of Oil & Gas Survey Services
- Well site, Pipeline & Facility Surveys and various Topographic & Site Specific Surveys
- Longitudinal profiles & Cross sectional, Detailing of Bends, Platform site surveys ,
Pipe/Cable/Line Locating



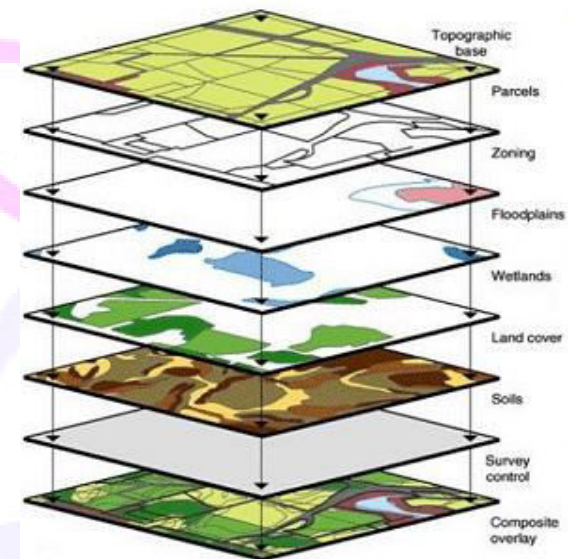
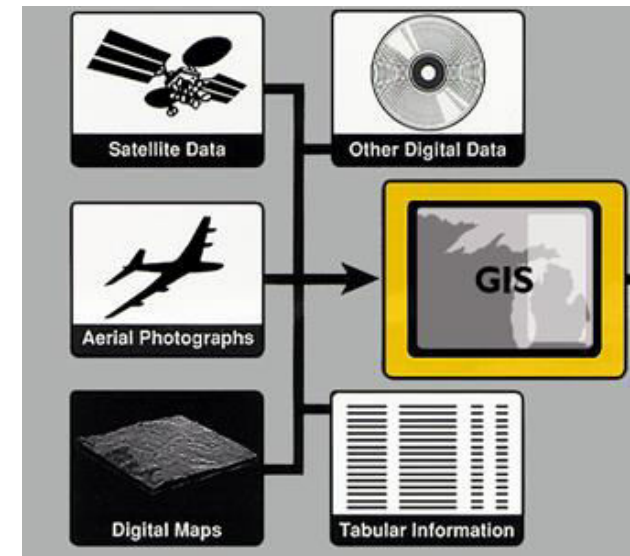
CAD & GIS Services

- We offer the most advanced CAD services for building structure , Engineering, Landscaping services, 3D models etc
- The survey plan is transferred into a digital medium through the use of a CAD program, and geo-referenced



CAD & GIS Services

- Developing digital spatial database, using the data sets derived from precise navigation and imaging satellites/aircrafts, field survey data
- Digitization of maps, Editing
- Collection of attributes, GCP, Marking ID, XY Location , exporting shapefiles , etc





FAÇADE SURVEY (Aluminum Cladding)

- We have conducted measured survey of high rise buildings such as

- **Etihad Tower**
- **Masda Tower**
- **Al Bahar Towers**
- **Burj Al Salam**



ETIHAD TOWER

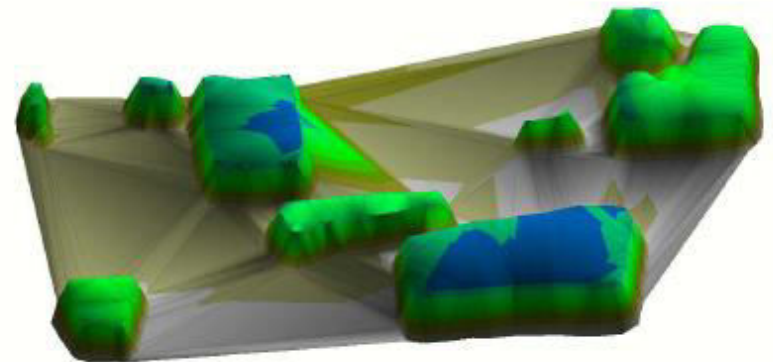
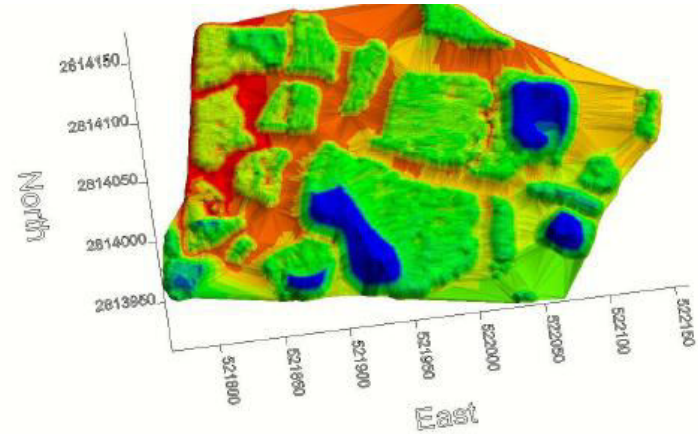


AL BAHAR TOWERS



VOLUME & TOPOGRAPHIC MAPS FOR CRUSHERS

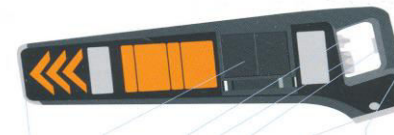
- Performed in “**TERRAMODEL 10.41**” software using AUTOCAD drawing format
- A triangulation method is performed which joins all the points together with respect to X, Y, Z in **.rtf** format



Equipments (**also available for hire**)

We conduct our survey with the most advanced and sophisticated equipments

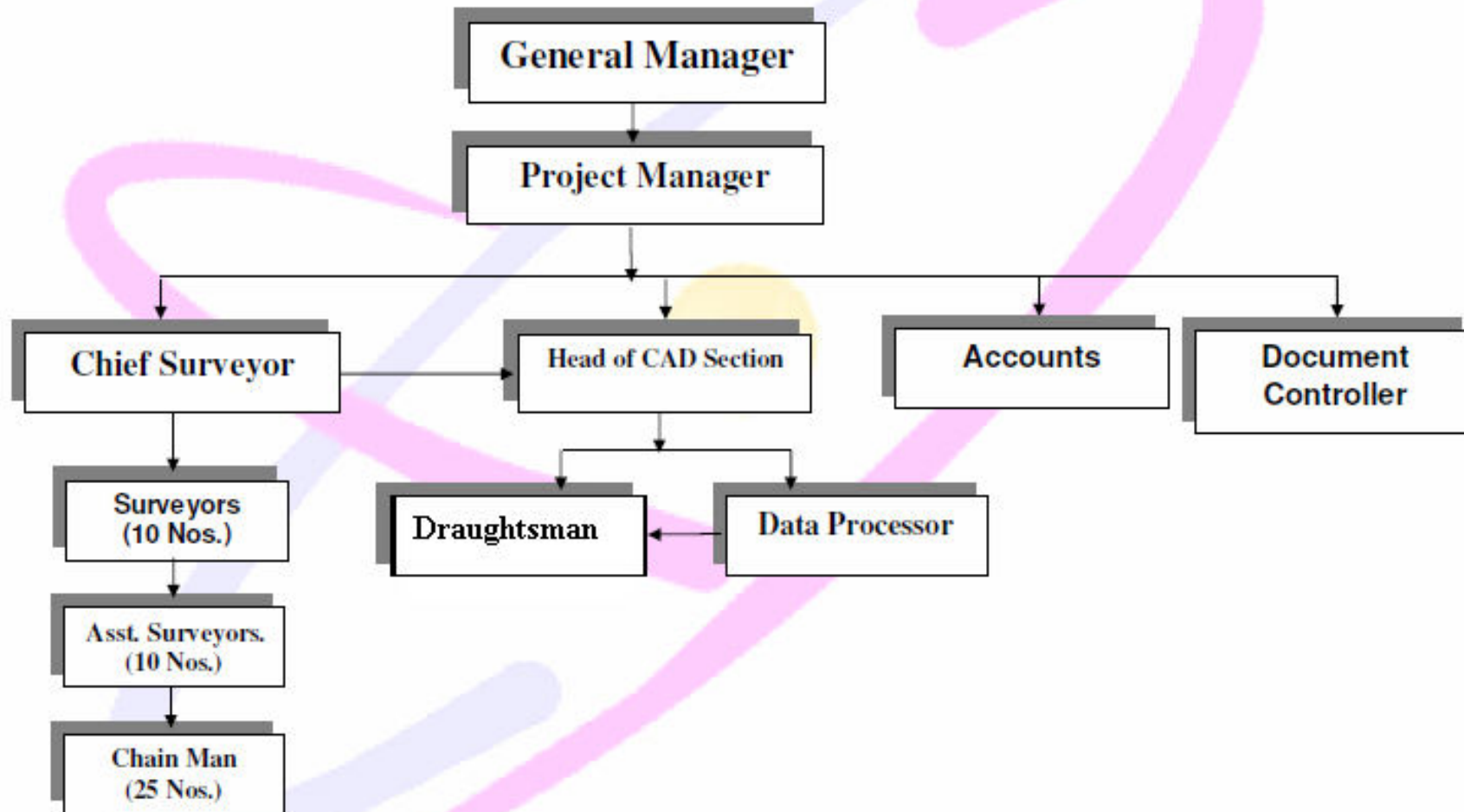
- **G.P.S – Global Positioning System**
 - RTK Trimble 5800, Receiver Trimble 5700,&CTRL_TSC2
 - Hand Held GPS
- **TOTAL STATIONS (SOKKIA AND TRIMBLE)**
- **DATA RECORDER**
- **DIGITAL LEVEL (TRIMBLE DINI 12)**
- **AUTOMATIC LEVEL**
- **DIGITAL THEODOLITE**
- **VERNIER THEODOLITE**
- **SDR MAPPING AND DESIGNING (SOKKIA)**



C.SCOPE
CABLE AVOIDANCE TOOLS



AL WARQA SURVEY ENGINEERING ORGANISATION CHART



Review of Prior Goals

- **DEWA**
 - Services For Pipeline Route Survey and Associated Works for DFO Pipeline from Jafza to Aweer Power Station
 - Topographical Survey at Plot 814018
 - Jebel Ali Power Plant
- **FEWA**
 - Survey for Pipeline route Ajman Water Distribution Center compound till “Al Ameera Village
 - 13W2011-Pipeline Route Survey for Water Network System in Madam Area- Sharjah

Oil & Gas Survey Services

- **Maritime Industrial Services Co. Ltd INC**

- 16" Pipeline from RAKGAS PLANT (Launcher) to Receiver Station & B)
- 12" Pipeline from HOT TAPPING at EGPC Line to PIG Receiver Station
- 8" Fuel Oil Pipeline Extension from VOPAK - F1 To FAPCO F2 Power Station At Fujairah, UAE

- **Punj Lloyd Limited**

- Construction of Flow Lines and Wellhead Installation in ADCO's Field Bab and Buhasa Contract No. 6364.01/EC 1057
- Huwaila Field Development Project at Abu Dhabi for Onshore Oil Operations (ADCO)

Review of Prior Goals

- **GIS PROJECTS (AERIAL SURVEY VERIFICATION)**

- Contractor : ROLTA.

- Project : Dubai GIS Digital Base Map Project for ARD Topography (Subcontractor)

- Project: R-APDPRP project in Tamil Nadu

- Client: Navayuga Infotech

- Project: GCP collection of 120 sq km Area

- Client: Geo Vista Technologies

- **AERONAUTICAL SURVEY**

- Consultant : CIVILCO – Civil Engineering & Contracting

- Project : 2B+G+1P+HC(2Nd Floor)+25 Floor Residential Tower on Plot No. MS. 006 at IMPZ, Dubai

- Consultant : NOR GROUP CONSULTANTS International Limited Architects & Engineers

- Project : Mall of The Emirates, Dubai UAE On Plot No: 373--917 at AL BaRsha First Dubai, UAE

- Consultant : CAP EMIRATES

- Project : P157 – Saraya 14 Tower on Plot No.C34, Saraya Development, Abu Dhabi U.A.E

Review of Prior Goals

- **TOPOGRAPHIC SURVEY FOR ROADS AND BRIDGES**

- Consultant : **Hyder Middle East**

Project : Maintenance improvement & Upgrading of roads bridges & Culverts.

Client: **Ministry of Public Works**

- Consultant : **PARSONS DE LEUW CATHER OVERSEAS LIMITED**

Project : Dubai Creek Crossing-- Sixth Crossing Corridor ,Sheikh Rashid Bin Saeed Bridge West/East Bridge

- Consultant : De Leuw Cather Overseas Ltd.

- Project : R727 Ring Road (worked as subcontractor for Ases co survey)

- Project : R-790 Bukadra Interchange.

Client : **Dubai Municipality.**

- Consultant : Wilber Smith International.

Project : Dubai Fujairah Free Way.

Client : **PWD.**

Review of Prior Goals

- **TOPOGRAPHIC SURVEY FOR ROADS AND BRIDGES**

- Project : Palm Jumeirah

Client : The Palm

Contractor : Worked as sub contractor for Emirates Nortech Surveying Inc., L.L.C.

- Consultant : **SYSTRA**

Project : PS-007 Dubai Rail Project

Client : OBAYASHI-KAJIMA-YAPI MERKEZI JV

- PROJECT: HOTEL 2 – SOWWAH ISLAND, ABU DHABI, UAE

Project for **Flour**- Topographical Survey

Client: National Lab

- Consultant : Khatib & Alami Consolidated Engineering Company



Review of Prior Goals

- **Hydrographic Survey**

- Client: AECOM Middle East Ltd.

Project: CM 10066 Dhow Wharfage Development at Deira Corniche

- Client: Bardeej LLC.
Project: Bathymetric Survey Dibba Fisher Harbor.

- **Facade Survey**

- REEM EMIRATES ALUMINIUM LLC.
 - Project: 1005 ETIHAD TOWER – Abu Dhabi, UAE
 - Project: MASDA TOWER – Abu Dhabi, UAE
- ALUMINIUM & LIGHT INDUSTRIES CO. (ALICO) LTD.
 - Project: Burj Al Salam Mixed Use Development on Plot No: 355141 At Trade Centre First

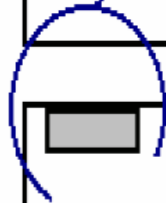
Our Branches

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- **Galaxy Geomatic Technologies Pvt Ltd**
#4-25-107/1/A, Opp Pillar No.220 of PVNR Express W.
Near Dairy Farm X Road, Rajendra Nagar, Hyderabad-
Tel: +91 9391085830
Email: galaxy@alwarqasurvey.com
- **Galaxy Geomatic Technologies Pvt Ltd**
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Okhla, New Delhi-110025
Tel:+91 11-60606098
Email: delhi@galaxygeomatics.com



Al Wargha Surbey Engineering

DUBAI
ABATTOIR



SHARJAH



DUBAI GRAND HOTEL

SHARJAH

BUSTAN CENTER



SHARJAH

MULLA PLAZA



DUBAI AIRPORT FREE ZONE



UNION CO OPERATIVE

DUBAI POLICE H.Q



- For any further information please feel free to contact us. Al Warqa Survey Engineering will be glad to be of service to you.

Thanks and Regards
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