



FIND US

Lebanon

Gedco Center 3rd floor
Hayek Roundabout
Sin Elfil P.O. Box: 55358
Beirut-Lebanon
e: info@gsssurveying.com
t: 0096111510016/7

KSA

Sismo Bldg. Aladama Area
Dharan Street Dammam
P.O. Box: 77007 Al Khobar
e: ksa@gsssurveying.com
t: 00966138320417

General Surveying Services Co.

COMPANY PROFILE

Surveying
Mapping
3D Technology



www.gsssurveying.com





Table of Content

01	Introduction to GSS	01
02	Our Services	03
03	Conventional Surveying Services	05
04	GPR (Ground Penetration Radar) Services	07
05	3d Laser Scanning to BIM Solutions	09
06	FARO Instrumentation and Sales and Services	11
07	Company Portfolio	13

The Company

The Future in Survey Solutions & Applications

Established in 1996, General Surveying (GSS) is a leading company with operational offices in Lebanon and Saudi Arabia, with unprecedented success in terms of Topography, Under Ground Utility Mapping (GPR), 3D Laser Scanning BIM, 3D documentation & visualization and capable to accurately deliver as-built engineering drawings.

GSS is an Authorized Distributor of the German 3D Laser Scanning FARO Technology in Lebanon, Saudi Arabia and Jordan



Clients And Industries

Our Clients are Architects, Civil Engineers, Real Estate Professionals, Urban Regional Planners, Municipalities, Developers, Landscape Designers, Various Industries, Private Landowners, Corporate Clients, Universities and Consultants.



About Us

Our company has vigorously pursued a policy of building a highly professional and proficient infrastructure; recruiting experienced field staff and qualified management personnel from various countries, and purchasing "state-of-the-art" survey equipment and survey software – in order to meet all the needs of all clients.

Today, the company, with young and professional management and a large pool of technically competent and widely experienced employees trained to the highest standard, is well-equipped and ready to offer a complete range of specialized survey services to the construction, civil and oil & gas industries in the

Our Mission

We remain true to the same principles on which our company was founded 25 years ago: providing superior service to our clients, putting safety first, creating opportunities for our engineers, delivering exceptional work and keep up with changing technology.



Our Services

General Surveying Services provides a variety of professional applications for both the private and public sector with unique tailored solutions for our clients.

General Surveying Services goes beyond conventional surveying and offers professional services, with the primary focus on 3D laser scanning, that are often overlooked in the industry.

Our Team

Multidisciplinary Experts

We are working closely with our clients, maintaining our quality output and ensuring they receive the best practice through our expert team and by utilizing the latest technology in regard of software and instrumentation.

GABY S. LAHOUD
Founder & CEO

DANIEL DIACON
Business Development Manager

RABIH S. AKIKI
Survey Manager

JOSEPHINE S. ABBOUD
Project Manager

We are satisfying our client's needs by delivering exceptional work and let our clients to benefit from our highly-trained engineer's experiences

Our company has vigorously pursued a policy of building a highly professional and proficient infrastructure; recruiting experienced field staff and qualified management personnel from various countries, and purchasing "state-of-the-art" survey equipment and survey software – in order to meet the needs of all clients within their timeframe.



Conventional Surveying Services



3D Laser Scan to BIM Solutions



GPR(Ground Penetration Radar)Services



FARO® Laser Instruments Sales & Services

We remain true to the same principles on which our company was founded 25 years ago: providing superior service to our clients, putting safety first, creating opportunities for our engineers, delivering exceptional work and keep up with changing technology.

Conventional Surveying Services

General Surveying Services celebrates its 25 years of transparent services



Main Services

Topographic Mapping Surveys

Cadastral Surveys

Construction Layout and Staking Surveys

Master Planning Support Surveys

Control Monument Network Establishment

Survey for the purpose of as built drawings to: Building Roads, Water Pipes, Fuel Pipes, Phone and Electrical Lines, etc...

Survey for the purpose of earth works, construction, fill & cut and all types of ditches, manholes and underground.

We are working closely with our clients, maintaining our quality output and ensuring they receive the best practice through our expert team and by utilizing the latest technology in regard of software and instrumentation.



GPS (Global Positioning System)

When flexibility is needed in terms of satellite networks, ruggedness of hardware, great precision and right accessories for the job, GSS is providing the range, the power and low latency that ensures success with the most exacting standards of data quality. Equipment is carefully selected to match and surpass high expectations of a busy professional.



Precision & Spirit Levels

GSS also owns several auto and digital levels instruments. This type of level reduces the chance of human error when interpreting graduation marks, and a digital display ensures accurate readings. When job sites need fast and accurate height determinations, precision digital leveling equipment serves as valuable time-saving technology.



Total Stations

General Surveying Services is well-equipped with the latest electronic Total Stations (including all necessary survey accessory items; tripods, tribraches, targets, prisms, etc.), specially designed for measuring of slant distances, horizontal and vertical angles and elevations in topographic and geodetic works, tachometric surveys, as well as for solution of application geodetic tasks.

GPR (GROUND PENETRATION RADAR) Services

Concrete scanning, also known as concrete x-ray, with ground penetrating radar (GPR) is a geophysical technique that uses radar pulses to nondestructively investigate concrete, earth, and other media.

It is used to locate and map the positions of metallic and non-metallic materials such as rebar, post-tensioning cables, conduit, metal and plastic pipes, electrical cables, and other near-surface anomalies and objects in concrete.



GPR Surveying Services

For instance, post-tension cable, rebar, conduit, pipes, fiber optic cables and air voids can all be identified using the 3D imaging capabilities of GPR. Determining the location and depth of these objects within concrete structures is crucial before cutting, drilling or coring.



The Process

This system uses radar and electromagnetic waves to scan the entire area and locate any questionable subsurface materials by sending a unique return signal to the technician operating the ma-



Strategic and Tactical

Extensively trained in using this innovative technology, our GSS crew is ready to explain their findings and evaluate the potential risk of any sub-level materials to help determine next steps and subsequent project planning.

Our GPR scanning services are highly recommended for any type of commercial, residential or municipal projects



A concrete "x-ray" survey or GPR is a geophysical process that uses a pulsating wave of radar to cut through the top surface of the concrete instead of actually penetrating



This system uses radar and electromagnetic waves to scan the entire area and locate any questionable subsurface materials by sending a unique return signal to the tech-



GSS is working closely with the clients, maintaining the quality output and ensuring they receive the best practice through our expert team and by utilizing the latest technology in regard of GPR software and instrumentation.



One of the main uses of GPR is locating anomalies in concrete buildings, bridges, and other structures. For instance, post-tension cable, rebar, conduit, pipes, fiber optic cables and air voids can all be identified using the 3D imaging capabilities of GPR. Determining the location and depth of these objects within concrete structures is crucial before cutting, drilling or coring.



We remain true to the same principles on which our company was founded 25 years ago: providing superior service to our clients, putting safety first, creating opportunities for our engineers, delivering exceptional work and keep up with changing technology.

3D LASER SCANNING TO BIM SOLUTIONS

General Surveying Services provides a variety of professional applications for both the private and public sector with unique tailored solutions for our clients.

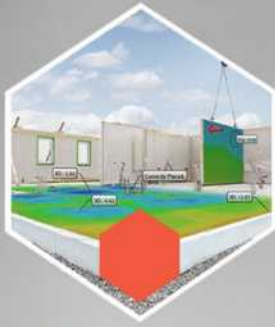
General Surveying Services provides a variety of professional applications for both the private and public sector with unique tailored solutions for our clients.

Precise laser scanning survey ensures that the final as-built condition fit design intent and minimizes the chance of potential problems;



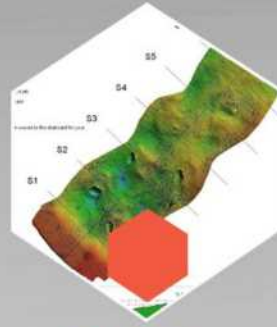
Construction Process Monitoring

Seamless capture and monitoring of construction progress for legal and technical documentation;



Flatness and Level Checking

Quality Assurance (QA) and Quality Control (QC) management tools to perform accurate full measurements



Data Analysis

Contour maps, elevation maps, deflection, deviation & alignment analysis and detailing;

”

Quality Assurance (QA) and Quality Control (QC) management tools to perform accurate full measurements continuously throughout the build process and immediately find discrepancies. Such early detection enables architects and contractors to produce higher quality projects while saving time and money since errors are minimized and rework cost is subsequently reduced;



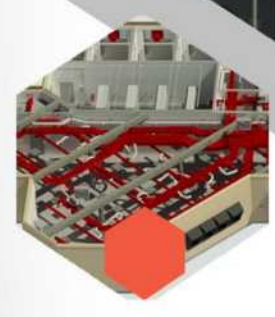
3D Models High-End Renderings

3D Models high-end renderings using specialized software



Heritage Scanning and Preservation

Capturing & Archeological site works



MEP Survey Services

MEP documentation, as-built survey and 3D modeling;

FARO LASER INSTRUMENTATION SALES & RENTING SERVICES

"FARO® is the leading global source for 3D measurement, imaging and realization technology for 3D Metrology, AEC (Architecture, Engineering and Construction) and Public Safety Analytics.

GSS is an Authorized Distributor of the German 3D Laser Scanning FARO Technology in Lebanon, Saudi Arabia and Jordan



Rent

GSS is providing FARO Renting Services covering a wide range types of scanners. For more details regarding range prices, types of applications, technical support and rental period, kindly contact us at your convenience at info@gsssurveying.com.



FARO® PRODUCTS

FOCUS S70

FOCUS S 150/150 PLUS

FOCUS S 350/350 PLUS

FARO FOCUS SWIFT

FARO® Freestyle 2

The FARO® ScanArm

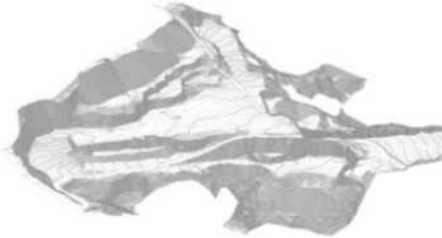
Sales

With the help of FARO's instrumentation & software it can be provided 3D solutions for as-built data capturing and 3D visualization of architecture, engineering and construction projects that allow AEC professionals to quickly and accurately extract desired 2D and 3D documentation and deliverables.

Architecture and Civil Engineering Facility Management Heritage Oil & Gas

MORE THAN 1500 COMPLETED SURVEYING PROJECTS

DTM Contour and V-Calculations



Digital terrain models (DTMs) acquired from airborne laser scanning (ALS) are available for many mountainous regions. ALS has the capability to penetrate high vegetation, hence high-resolution DTMs can be derived even in forested areas.

Cadastral and Road Surveying



Cadastral surveying is the sub-field of cadastre and surveying that specialises in the establishment and re-establishment of real property boundaries. It is an important component of the legal creation of properties.

HERITAGE SCANNING PROJECTS



Zbeideh Aqueducts



Cornet Chehwan



Falougha



Archeology



Zbeideh Aqueducts



Falougha

LASER SCANNING AS-BUILT SURVEY | FAÇADE INSPECTIONS | 3D MODEL

Cohesive colorful point cloud acquired with FARO Focus S350



Revit As-built 3D Model



Revit Model, Isometric View Pre-render



3D Model Full Render

