



SUMER

— SGHC —



BENEATH THE SURFACE LIES OUR **EXPERTISE**

SUMER for Geological & Hydrogeological
Consultations Co.



From Past to Present: The Evolution of SUMER & its Business Development Journey

- **SUMER Jordan** established in 2017 as a Business Network Company.
- In 2018, formed a partnership with Turkish company **SUMER**.
- **SUMER** specializes in geotechnical works, dam construction, surveys, building projects, power plants, tunnels, bridges, and water structures.
- **SUMER Jordan** officially registered as a limited liability company in Jordan (No. 52148).
- In 2019, collaborated with Scandinavian Geo Services AS (GeoScan) in geophysics.
- GeoScan offers a range of Geoservices including surveys, interpretations, drilling, and well services.
- **SUMER Jordan** invested in solar energy and Groundwater well drilling projects.
- Successfully completed over 50,000 piles for solar farms.
- Shifted focus to comprehensive Groundwater well projects, from planning to contracting



“Excellence and expertise at your service, delivered by our exceptional team”





Vision

*Redefining the standard for excellence
in geological & hydrogeological consultations*



Mission

*Ensuring client satisfaction through
sustainable solutions*

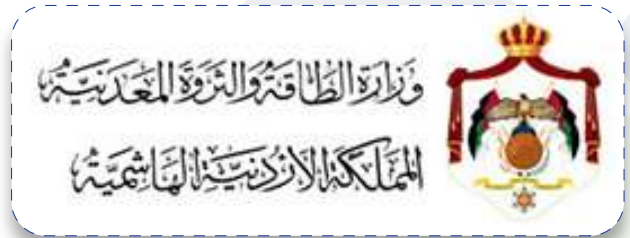
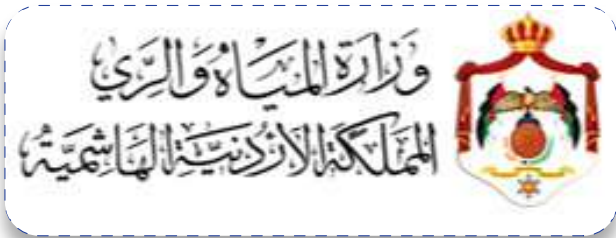


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◆◆ *Our Strategic*
Partners





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◆◆ **Harnessing Geology's Power** for Optimal Water Solutions

SUMER Jordan is a leading provider of Groundwater well drilling services (consultations) and solutions. Our team of experts specializes in all aspects of Groundwater well projects, including studies, design, consultations, and tendering. With our expertise, we ensure precise and efficient operations, delivering sustainable solutions tailored to each project's requirements.

Through geophysical and geological studies, we analyze subsurface conditions to identify optimal drilling locations and assess water resource potential. This enables us to provide accurate insights and recommendations for efficient Groundwater well development.

Our well design and construction services are customized to meet project needs. This ensures the delivery of high-quality and reliable Groundwater wells with optimal performance and longevity.

In addition, we offer comprehensive hydrogeological services and consultations. Our hydrogeologists provide assessments and expert guidance on groundwater systems, water resource sustainability, and effective water management strategies.

*At **SUMER** Jordan, we strive for excellence in every project. With our experience, and customer-centric approach, we aim to exceed expectations and build long-term partnerships. Contact us today for your specific Groundwater well drilling needs.*

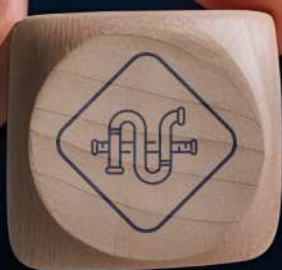


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◆◆ Our Services

Beneath the surface lies our expertise



Groundwater well drilling consultations



Where art meets expertise in groundwater drilling. Passionate geologists and engineers create efficient, beautiful wells for reliable, clean water. Turn your dreams into reality with us.

Tendering & Contracting



Groundwater well drilling tendering services for successful projects. Optimize resource allocation with our efficient procurement solutions



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Geological & Hydrogeological Services & Consultations



SUMER Achieve sustainable water solutions with our hydrogeological services and consultations. Benefit from expert assessments and guidance in groundwater systems and resource management. Maximize water efficiency and conservation.

Drilling Solar Energy Piles



Specialized drilling equipment for solar energy projects. Efficiently drill precise and sturdy foundations for solar panels. Trust SUMER Company for sustainable and reliable solar energy drilling solutions.



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Associated Services



Comprehensive services under one roof. Sumer's strategic partnerships provide expertise in mining and related studies, meeting diverse client needs.

Accelerated Counseling



*Quick and affordable Groundwater well consultation services at **SUMER**. Expert guidance on well design, drilling techniques, and maintenance. Contact us for tailored support and competitive fees.*



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◆◆ **Projects & Professional Engagements**

SUMER's Latest Projects



SUMER has been involved in numerous projects over the years, working closely with clients to deliver innovative solutions that meet their needs. From Groundwater wells consultations to implementing mining projects, our team has the expertise and experience to deliver high-quality results.

Groundwater Resource Assessment of The Disi Aquifer in Southern & Central Jordan



- **Project Name:** Groundwater Resource Assessment of the Disi Aquifer in Southern and Central Jordan.
- **Project Owner:** The Ministry of Water and Irrigation of Jordan (MWI), supported by the French Agency for Development (AFD) and the French Geological Survey (BRGM).
- **Project Contractor:** JEHAD Deep Wells Logging and Development, Supported by, French Geological Survey (BRGM). Participated, Water Authority of Jordan (WAJ).
- **Project Consultant:** Business Network Company for Geological Consultations (BNCo).
- **Location:** Southern and Central Jordan, Disi Aquifer, Dubaydib Wellfield Area.
- **Scope of Work:** Groundwater Resource Assessment of the Disi Aquifer in Southern and Central Jordan was carried out for water producing wells and piezometer wells.



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Pile Drilling & Pile Installation (Belectric Gulf)



- **Project name:** Drilling, Concreting & Pile Installation - South Amman PV plant
- **Project owner:** Belectric Gulf.
- **Drilling Contractor:** SUMER
- **Location:** Jordan- South Amman
- **Scope of work:**
 - **1.1 Surveying works**
 - Using qualified Surveyor and with accepted tolerances using calibrated surveying instrument, location shall be marked after receiving AutoCAD drawings shows the final Pile location, and consequently.
 - **1.2 Drilling works**
 - Upon Belectric confirmation for the surveying points, **SUMER** shall proceed with the piling works using the Rope. SUMER will drill holes with diameter of 25 cm and depth 1.3 meter, and required to build and install concrete steel pile at the project site. The total quantities of works procured will be defined during the construction by the Contractor.



Geophysical Survey for Drilling Groundwater well in NPC



- **Project name:** Application of Electrical Resistivity Tomography (ERT) for GROUNDWATER PROSPECTING
- **Project owner:** National Poultry Co.
- **Drilling contractor:** under processing
- **Location:** Jordan- Al-karak
- **Scope of work:** At **SUMER**, we conduct an Electrical Resistivity Tomography (ERT) survey to accurately identify the water aquifer and determine the expected depth. Based on the findings of the survey, we can design the optimal well construction plan to ensure efficient and effective water extraction.



Geophysical survey for Deep Well Drilling in Pepsi (JICE) Co



- **Project name:** Exploring & drilling one deep well
- **Project owner:** JICE
- **Drilling contractor:** under processing
- **Location:** Jordan-Madab
- **Scope of work:** Performing a geophysical surveys “ERT”, which allow us to determine the best location for a well. Using state-of-the-art technology, our team conducts detailed surveys to identify the most suitable location based on factors such as groundwater availability and quality. Once the location has been identified, our team works on designing the well, taking into account the specific needs of the client and the surrounding environment. We then prepare tender papers and evaluate contractors to ensure that only the best qualified and most reliable contractors are selected to carry out the drilling operations.





Wadi Araba project: Supervision of drilling different productive Groundwater wells



- **Project name:** *Drilling productive wells in different area in Wadi Arab*
- **Project owner:** *Wadi Arab Development Co.*
- **Drilling Contractor:** *Marwan A. Alkurdi & Partners Co.*
- **Location:** *Wadi Arab*
- **Scope of work:** *SUMER was entrusted with a major project to supervise the drilling of wells in Wadi Araba, which involved drilling eight wells in different areas. Our company hand in hand with the main consulting contractor “Madi & Partners Consulting Engineer” played a crucial role in overseeing the entire drilling process, including the installation of casing pipes and screens to protect the aquifer layers. Our team worked tirelessly to ensure that all technical measures were adhered to and that the well was completed according to the FIDIC red book 1999 contract. As part of our commitment to delivering high-quality results, we also supervised the pumping test to determine the capacity of the water aquifer. This was crucial in ensuring that the wells were producing enough water to meet the needs of the agricultural sector. Our team worked closely with the contractor to ensure that the test was carried out in a safe and efficient manner, and that the results were accurate. Overall, the project was a success, and we are proud to have played a role in bringing clean, safe water to the people of Wadi Araba. At **SUMER**, we are committed to delivering excellence in every project we undertake, and we will continue to work closely with our clients to ensure their needs are met and exceeded.*



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Renting The Services of A Ground Penetrating Radar (GPR) Device for Field Surveys



- **Project name:** *Renting The Services of A Ground Penetrating Radar (GPR) Device For Field Surveys*
- **Project owner:** *Al Al-Bayt University*
- **Drilling Contractor:** *SUMER*
- **Project Consultant:** *N/A*
- **Location:** *Northeast Jordan, specifically in the Safawi/Basaltic Harrat region.*
- **Scope of work:**
 - *Conduct field surveys using the GPR SIR 3000 device from GSSI.*
 - *Cover five locations in northeast Jordan (Safawi/Basaltic Harrat).*
 - *Perform five parallel 2D survey lines per location, each 75 meters long.*
 - *Include additional perpendicular survey lines for enhanced 3D data visualization.*
 - *Process collected data using ReflexW software and other specialized tools. total quantities of works procured will be defined during the construction by the Contractor.*



Consultancy Services for Drilling A Production Groundwater well for Arab Potach Co. (APC) At Township



- **Project name:** Supervision, Consultancy and Management Services for Drilling a Production Groundwater well for Arab Potash Company at Township
- **Project owner:** Arab Potach Co. (APC).
- **Project Contractor:** Technical Dimension for Services & Well Drilling Company (TD).
- **Project Consultant:** SUMER for Geological and Hydrogeological Consultation Company.
- **Location:** APC township.
- **Scope of work:**
 - **Comprehensive Supervision**

Provide full supervision of the contractor's work throughout the entire drilling process, ensuring adherence to safety procedures and compliance with the terms of the mutual drilling contract, while representing the client at all project stages.
 - **Daily Monitoring and Guidance**

Continuously monitor and oversee day-to-day drilling, cementing, and installation activities at the site. Offer on-site guidance to the drilling contractor regarding the sequence and implementation of drilling operations.





- **Work Oversight and Sample Collection**

Follow up on all drilling activities, ensuring proper collection of cutting samples to verify sufficient penetration of targeted water-bearing layers and conducting geological analysis of the samples.

- **Pumping Test Supervision and Analysis**

Supervise the pumping test, analyze its results, and prepare a detailed report. Based on the results, determine the type and technical specifications of the required pump. Provide recommendations for the best available pump options in the local market, considering capacity and suitability.

- **Review and Approval of Contractor Submittals**

Review and approve all contractor submittals, including but not limited to designs, drawings, queries, specifications, method statements, calculations, and other relevant data.

- **Final Technical Reporting**

Ensure a comprehensive final technical report is submitted by the client, including all details of the drilling operations, pumping test results, geological descriptions, and any other relevant information.



Conducting A Controlled Source Audio-Frequency Magneto – Telluric (CSAMT) Geophysical Survey to Explore Groundwater Potentials In Bishreyyah Region (Phase I).



- **Project Name:** Conducting a Controlled Source Audio-frequency Magneto- telluric (CSAMT) Geophysical survey to Explore Groundwater potentials in Bishreyyah Region (Phase I).
- **Project Owner:** Ministry of Water and Irrigation (MWI).
- **Project Contractor:** SUMER for Geological and Hydrogeological Consultants Company.
- **Project Consultant:** Dorsch International Consultants GmbH.
- **Location:** Within the Basalt Wellfield, the area of interest is located 25 km North-West Azraq town. Located within two geological sheets (Al Hamidiyya-3354III and Al Bishriyya-3354II).
- **Scope of work:**
 - **Comprehensive Desk Study**
Analyze existing data to guide survey planning and methodology.
 - **Mobilization and Demobilization**
Organize personnel, establish on-site facilities, and prepare vehicles, loaders, and other essentials for smooth field operations.





- **TDEM Calibration Soundings**

Perform calibration at existing well sites to validate Time-Domain Electromagnetic (TDEM) data up to 1,000 meters.

- **CSAMT Calibration Soundings**

Conduct calibration using Controlled-Source Audio-Magnetotellurics (CSAMT) at existing well sites for depths up to 1,000 meters.

- **Report and Recommendations**

Prepare findings and design recommendations for the phase II survey.

- **Optional: Reinterpret BGR's MT Survey**

Reprocess and refine interpretations of legacy MT data for enhanced insights.



Our Clients



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