

CURRICULUM VITAE

Name: Safwat Tanious Said
Major: Geologist
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Education:

1998 – 2002 B.Sc. in Geology – Tichrine University – Latackia – Syria
10/2002- 09/2003 Diploma of high studies in Hydrogeology. Geology Department Faculty of Science of Damascus University- Damascus Syria.

Previous Work Experience:

Certified water resource expert with the Lebanese courts (2014 – Date).

Apave Consulting - Engineers - Beirut, Lebanon (June 2013 – Date).

- Inspection Reports of 4600 water wells across Lebanon .
- Pumping Tests of 1950 water wells across Lebanon .
- Isolation Studies of 200 water wells across Lebanon .
- Determine the max. Flow of several wells in Lebanon.
- Supervising of the cleaning wells in Lebanon.
- Design and Supervision of the several wells in Lebanon.

Al Taj Contracting - Engineers - Beirut, Lebanon (January 2015 - November 2017).

- Aaraya well – Alay Caza, Lebanon – Design and supervision of water well and Pumping tests .
- Kahale Well – Alay Caza, Lebanon – Design and supervision of water well and Pumping tests .
- Geologic and Hydrogeologic Studies in Ayoun Samak Area – Daniyeh Caza.

Gicome Consulting - Engineers - Beirut, Lebanon.

- Sedimentology Study of Janneh Dam and lake Project – Jbeil Caza - Mount Lebanon (January 2015 - May 2015)
- Environmental consulting of Road & Employments Projects Rehabilitations of Selected Roads in Jbeil , Maten & Keserwan District- Mount Lebanon.

Rafik El-Khoury & Partners Consulting - Engineers – Beirut, Lebanon / Abu Dhabi, UAE / KSA (June 2005 – February 2024)**Geologist and Hydro geologist working on the following projects:**

- Ibl El-Saki Dam on The Hasbani River – Hasbaya District, Nabatieh Province, Lebanon – Feasibility Study, Geotechnical Investigation, Geology and Hydrogeology Study, Master Plan, EIA Study, Hydrologic Analysis.
- Kwachra Dam - Akkar Gaza – North Lebanon, Lebanon – Design and Supervision for Rehabilitation and Extension of the Dam and its Ancillaries - Geotechnical Investigation, Geology Study, Design of the Dam and Supervision.
- Dam and Hills Lakes – South Lebanon – Geology and Hydrogeology Studies & Detailed Design and Supervision .
- Water Harvesting and Irrigation Networks in Lebanon – Bekaa, Lebanon – Consultancy Design Services - Site Inspection, Geology & Hydrogeology Studies and Supervision of the Deir Ahmar Dam and lake .
- Two Lakes and Dams in Qornayel and Deir Mokhailes , Lebanon – Design and Supervision for the lakes and Dams (Geotechnical Investigation, Geology Study, Detailed Design, etc...).
- Fnaydek Solid Waste Project – Lebanon – Geological, Hydrogeological and Hydrological studies.
- Solid Waste - 2006 Plan – Lebanon – Consultancy for the preparation of Environmental and geological Studies for Selected Solid Waste Sites - EIA Study, Site Selection & Preparation of expropriation files.

- Taibeh Solid Waste - EIA – Taibeh, Lebanon - Geological, Hydrogeological and Hydrological studies.
- Sibline Quarry Rehabilitation - Phase II– Chouf Caza, Lebanon - Preparation of Addendum to Environmental Impact Assessment & Landfill Design, Rehabilitation Services and Detailed Design for Landfill .
- Abdel Wahab - 618 – Beirut, Lebanon – Design and supervision of water well, Pumping test and Geotechnical Investigation.
- Ahlam Lands - Mountain Resorts Project – Kfardebian, Lebanon – Consultancy Services for Planning and Urban Design Ecological Planning, Landscape Design, Master Planning, Infrastructure Planning and Hydrogeology Study.
- Aley and Baabda Districts Water Supply – Mount Lebanon – Design for Supply and Distribution Networks - Site visits, GPS Survey, Geological & Hydrogeological Studies.
- Ghadir Wastewater Project – Beirut, Lebanon
 - Design Review and Updating & Supervision Services for the Construction of Main Sewer Collectors and Related Collection Systems - Site visits, Design & EIA works.
- Apartment Chalabi - HE Dr. Ahmad Chalabi – Jnah, Beirut, Lebanon – Hydrogeology Study – GPS Survey.
- Badaro Gardens – Beirut, Lebanon – MEP & Leed Design followed by project control and construction supervision - Lead Design, Hydrogeology Study, Geotechnical Investigation.
- Batroun Wastewater Networks – Batroun, Lebanon – Site Visits, Geological and Hydrogeological Assesments as part of EIA for pumping stations & Expropriation files.
- Cultural Heritage and Urban Development Project – Tyre, Lebanon Site Inspection – Geological works.
- Deir Zour - Bou Kamal Road – Phase II – Syria – Environmental Impact Statement ,Site Inspection & Geotechnical investigation.
- Dermossessian Industrial Facilities – Houch Oumara, Bekaa, Lebanon - Site Selection for underground water.
- Design a Facility to Eliminate the Oil Pollution from Taban Spring to Al Basil Lake – Syria – Hydrological and Hydrogeological Study, Site visits & Design works.

- Emergency Center of Beirut Southern Suburb Municipalities Union – Dahyeh, Lebanon – Design and Consultancy Services, Site Inspection, Geotechnical Investigation & Site Selection for underground water.
- Hasbaya Wastewater Project – South Lebanon – Feasibility Study and Geological and Hydrogeological Assessments as part of EIA for pumping stations & Networks & Treatment Plant.
- Hrajel Wastewater Project- Keserwan, Lebanon – Feasibility Study and Geological and Hydrogeological Assessments as part of EIA for pumping stations & Networks & Treatment Plant.
- Initial Environmental Examination (IEE) for proposed Demolition and Construction Materials Crashing Plant at Selaata Industrial Area – Selaata, Lebanon - Geology & Hydrogeology Studies.
- Lebanon Emergency Repair Program for Water and Energy Supply Phase III – Rehabilitation of Wastewater / Water Systems – Lebanon - GPS Survey, Site Inspection & Geotechnical Investigation.
- Lebanon Water Policy Program (LWPP) - Phase II -Lebanese Water Sector Reform Activity – Lebanon - Environmental Analysis, Design Works.
- Marina Towers Development – Beirut Central District, Beirut, Lebanon - Geotechnical Investigation & Supervision Services.
- Masnaa Governmental Buildings Complex – Masnaa, Bekaa, Lebanon – Designs and Tender Documents Preparation, Hydrogeology study and Expropriation files.
- Ministry of State for Administrative Reform – Lebanon – Preparation of a Number of EIA and Associated Engineering and Supervision Services at Various Municipalities - EIA Study, Preparation of expropriation files.
- Naas Bikfaya –Metn, Lebanon – Feasibility Study, Hydrogeology Study & Water Treatment Plant Works.
- Nabatiyeh - Marjeyoun Road – South Lebanon, Lebanon – Designs and Tender Documents Preparation - Geotechnical Investigation, Preparation of expropriation files, EIA Study.
- Nahr El-Bared Refugee Camp - North Lebanon – Design and Supervision Consultancy Services, Geotechnical Investigation, GPS Survey & Site Selection for Underground Water .
- Nahr El-Bared Refugees Camp Crisis - North Lebanon – Socioeconomic Impact Assessments and Recovery Plan, Technical Assistance for Infrastructure Component, Assessment and Recovery Strategy & Wastewater Network Design.

- Platinum Tower - Plot 1421 – Beirut Central District – Lebanon – Construction Supervision - Supervision Services.
- Rashidieh and Burj El-Shemali Camps – Tyre, Lebanon – Development of Geographical Information System (GIS) & GPS Survey.
- Sannine Zenith Lebanon – Mount Lebanon, Lebanon – Site Selection for Underground water.
- Sibline Phase I & II – Mount Lebanon, Lebanon – Geological and Hydrogeological Assessments.
- Sour Coastal Area Waste Water Project - Review of Contractor's Design and Supervision of Construction of Sour Waste Water Treatment Plant & Supervision of Construction of the Sea Outfall - EIA & Site Inspection.
- Sour Coastal Area Wastewater Project – Tyre, South Lebanon – Geotechnical Investigation & Site Visits.
- South Lebanon Emergency Repair Program for Water and Energy Supply - Phase II – South Lebanon – GPS Survey, Water & Wastewater Network Design.
- Tibnin - Jmayme - Baraachit - Chakra Wastewater Treatment Plants Project and related networks –South Lebanon – Design and Supervision Consultancy Services, Wastewater Network Design, Site Inspection, Geotechnical Investigation & Expropriation Files .
- Design , Supervision and pumping test of Tibnin water well – South Lebanon.
- Design , Supervision and pumping test of Miniara water well – Akkar Caza.
- Tripoli Cultural Heritage and Urban Development Project – Tripoli, Lebanon – Master Plan Design for Area ZPE4 - Geotechnical Investigation & Investigation of Water and Waste Water Network .
- Urban dreams , Beirut –Lebanon- Site Selection ,Design, TOR & BOQ of Water Well.
- Villa Sehnaoui –Mansurieh, Metn, Lebanon – Geotechnical Investigation & Hydrogeological Study.
- Western Bekaa Water Project Components – Bekaa, Lebanon – Updating Detailed Design and Tender Documents , Geology & Hydrogeology Studies, Geotechnical Investigation, Preparation of expropriation files, Network Design, Site Inspection.
- Zahleh Wastewater Treatment Plant – Zahleh, Bekaa, Lebanon - Geotechnical Investigation.

- Alay water supply – lebanon –
Networks and Reservoirs design , Data Collection & GPS Survey.
- Geological and Hydrogeological Assesments as part Of Environmental Impact Assessment EIA for following Projects: Admir - Wata El Joz – Fatqa – Blat - Zahle EDZ & Air Liquid.
- Site Selection for Potential Municipal Solid waste Landfills in Lebanon.
- Partial Update of Feasibility Study For Al Ghadir Waste Water Treatment Project .
- Construction and operation of the Bourj Hamoud- Jdeideh Landfill for Municipal Solid Waste – Supervision Consultancy Services, Environmental Analysis .
- Design of the Cosat Brava Landfill & Operation of the Parking Area for Municipal Solid Waste.
- Design and preparation of the tender documents of the Hwakir Sanitary Landfill in Zgharta Caza – North Lebanon.
- Design and preparation of the tender documents of the Cheesenburg Sanitary Landfill in Monrovia – Liberia .
- Construction and Rehabilitation of agricultural roads and of hydraulic infrastructure works – North Lebanon – Site Inspection & Design Works.
- Reclamation of Tripoli Port – Lebanon – Design, Supervision & EIA Study Services.
- Rehabilitation of the Railway Line Between Tripoli and Syrian Borders – Lebanon – GIS Mapping .
- Updating of Solid Waste Tender Documents – Lebanon – Preparation of Tender Documents for the Collection and Disposal of Municipal Solid Waste in Lebanon , National Plan 2015 .
- Updating of the Water & Wastewater Master Plan for the Arqoub Region – South Lebanon – Site Inspection & Feasibility Study .
- Design and preparation of the tender documents of the Kwakh Hill Laki in Hermel Caza – Bekaa .

Other Professional Activities:**Ecodit Engineering Company – Lebanon**

- Geologic and Hydrogeologic Studies For Zahlan Cave, Jabal Turbol , Hamara Factory and Hasan khaled park – Lebanon (January 2013 – September 2015) .
- Enviromental and Geological studies for several Solod Wast Plant – DAWEER Project – Lebanon (2021 -2022)

Geoflint Engineering Company – Lebanon (2012 – 2022)

- Design and Supervision of several water wells across Lebanon(El Heri, Bziza,Amchit etc....).
- Geologic and Hydrogeologic Studies for Several Sites in Lebanon(Damour, Beit Meri,Tannourine, El Najjariyi, Ain Alaq,Aitat etc).
- Inspection reports and pumping tests of Yammounch and Wadi El Aarayech wells.
- Geologic and Hydrogeologic Studies of Hermel wells.
- Geophysics Mapping and Hydrogeologic Studies for three wells in Qaa Rim Area – Lebanon.
- Geologic , Hydrogeologic and Geotechnical Studies of the Aazouniyeh Dan in Aalay Caza .
- Geological, Hydrogeological and Geophysical Consultancy Services for Baladna Food Industries – Qatar, well hydraulic tests, well interference tests, Tracer tests, correlation studies, CCTV, hydro chemical tests, Electromagnetic investigations and Resistivity Survey.

Fawzi Lian Engineering Office – Lebanon (2013 – 2015)

- Geology and Hydrogeology Description For several Projects in Jahliyah , Zahle and Majdal Anjar areas - Lebanon.
- Geological and Geotechnical Studies For 50 km in Baalback and Hermel Cazas - Lebanon.

Arab Resource Development (ARD) – Lebanon (2003 – 2005)

- Geophysics Mapping and Hydrogeologic Studies for the Litani Project - Conveyor 800 Project – Lebanon.
- Hydrogeologic Studies, Pumping Tests and Logging Wells in five locations – Lebanon.
- Flow Measurements of Springs – Lebanon.

Arab Resource Development (ARD) – Lebanon (January 2019 - March 2019)

Roads and employment project in Lebanon:

- Preparing preliminary environmental reports and presenting the importance and impacts of the project for Union of municipalities and environmental associations and local authorities.

ASS Company – Lebanon (2006 – 2008)

- Site Selection, Design, TOR & BOQ of Water Wells for Pepsi Company – Lebanon .
- Hydrogeologic Study and Pumping Tests for Daychouniyeh wells – Lebanon .
- Geological and Environmental Studies for Dakwe Quarry – Bekaa – Lebanon

Consultancy Services (Free Lance) 2003 – Date

- Geological and Environmental studies for several Quarries across Lebanon (Ain Ebel – Kfarhouni – Libbaya – Qotrani - Al Tawiri and El Mahmoudiyi) .
- Design and Supervision of Several Water Wells and Pumping Tests across Lebanon (Yatar – Khiyam – Dordghaya – Rmeich – Naqoura – Yaroun – Majadel – Zibqine – Qlayli – Tiri – Hanaway – Khirbet Qanafar – Saghbine - Ehmiq – Ammiq – Chehim -Kaskas – Bcharri – Ban – Ras Baalback – Jezzine - Twaiiti - Zrariyi – Homsiyeh – Maaroub – Lassa - Ras El Jabal - Jouret Al Qatine – Kfarnabrakh – Aayoun Erghoch - Nabi Chit - Aakkar El Atiqa – Hayata - Baghaoun – Falougha – Ain Dara and Mar Touma in cooperation with EU (European Union) .
- Geotechnical Investigation in Salah El Dean Governorate – Iraq.
- Geotechnical Investigation in South Lebanon collaborating with Satcon contractor.
- Flood Analysis Reports for Several Sites in Lebanon (Rmeil – Yarzi – Baabda - Aiha etc).
- Design and Supervision of three lakes in Deir Ahmar Area – Baalback Caza .
- Geologic and Hydrogeologic Study of water tunnel in Khalwat Falougha Area.
- Supervision of Pumping Tests in Six Wells Cooperation with OXFAM – Bekaa Area.
- Inspection Report of Aatanit Well.
- Geologic Studies and Design of several wells cooperation with MOE (Ministry of Energy and Water) in (Soultaniyeh , Niha, Ain Kfarzabad , Aabay, Ramliyeh , Iaat, Maayssra, etc....).

- Geologic and Stability Studies of Toul water tank.
- Geologic and Hydrogeologic Study of Zaraoune Spring in Qaaqour Area.
- Electrical Survey and Hydrogeologic Studies of Several wells in Lebanon (Kfarnabrakh - Hazerta - Rachaya - Ansariyeh - Douma, Tannourine El Fawqa - Qaa El Rim - Ain Dara - Bhamdoun Dayaa etc).
- Hydrogeological studies for several locations in Lebanon (Fokma cave in Aamchit, Jdeideh 1215, Baadarane 651, Baakline 3186, Bab Mariaa 603, Ain Tineh 409, Beit Chlala 305, Bchari, Estabel , Chamsine Basin, Batoulay catchment area, Majdal Baana cooperation with USAID, Sawiri, Majdal Anjar, Sinai, etc...).
- Design and Supervision of Several Water Wells across Lebanon for municipalities and water establishments in Kfarhata, kfardeniss, Rachaya, laa, Kfarkela, kneisseh, Ammiq Chouf , Kfarfaquod, Jahliyah, Maaser Beit Dine, Deir Amar, Ain Kfarzabad, Qaa, etc...)

Training:

- 2001 The General Establishments of Water Basins – Latackia, Syria**
- Two-month training on the geological studies in location for several new water basins
- 2002 The General Establishment of Geology and Mineral Resources – Damascus – Syria**
- Intensive training in the following fields:**
- Usage and maintenance of laboratory instruments
 - Collection, preparation and studies of geological samples
 - Field work
- 2002 Rmaylan Oil Field – Syria**
- 30 days training camp in oil fields

Languages:

	<u>Reading</u>	<u>Speaking</u>	<u>Writing</u>
Arabic	Excellent	Excellent	Excellent
English	Good	Good	Good
French	Excellent	Excellent	Excellent
German	Good	Good	Good