



“Building the future on a foundation of excellence.”

www.sanaengineers.com



ABOUT US

SANA GROUP is a multidisciplinary firm established to assist Project developers within the Middle East Region for the past 25 years. Initially, as a quality control laboratory, the company continuously grew and enriched its service offerings based on expertise, teamwork, and client's satisfaction to be recognized as a leading professional services firm in Civil Engineering.

Our wide-ranging experience paved the way to broaden our services in: Consultancy, Geotechnical Engineering, Material Testing, Structural Assessment, Building Evaluation, and Earth Retaining Structures.

Every challenge we faced has helped us develop and innovate new technical solutions to fulfill our purpose in building a better community on a foundation of excellence.





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OUR MISSION

With our team of experts and in-house advanced material testing facility, we are committed to provide added value quality consultancy services to our clients. We wish to maintain a long-term relationship and partnership with our clients and assist them in accomplishing their objectives with the best quality standards while optimizing their project benefits.



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OUR VISION

To become a national leader and a trusted provider of Quality Control along with high credibility in Geotechnical Engineering, and a reliable reference in Building Evaluation and Condition Assessment.

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CONSULTANCY

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Since our successive expansion, SANA GROUP has been commonly referenced as a synchronized firm that accompany its clients to fulfill their demands and seal their turnkey projects. Our technical capabilities and expertise in collecting data, assessing, and advising, guide the path to cooperate with our clients, boost performance, and maximize potential investment returns. In addition, our vast experience in Building Forensics,

Structural Engineering, Quality Control, along with the Excellence in Geotechnical Engineering and Risk Management, all combine to reach feasible solutions surpassing expectations. SANA GROUP coordinates closely with its clients, designers, and civil engineers. Consequently, this synchronization delivers stability, and permits integrative alliance that is crucial to achieve optimization and hence deliver complex projects successfully.

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GEOTECHNICAL ENGINEERING

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Geotechnical engineering is an essential factor that influences the safety of a structure due to its importance and effect on its foundation. Our geologists, engineers, and skilled labor, have the proficiency in retrieving soil samples, undertaking analysis and interpretations, and certainly providing the right recommendations with the help of our in-house advanced modeling

OUR SERVICES

- Geotechnical Site Investigation
- Geotechnical Engineering and Design
- Slope Stability Analysis
- Geotechnical Consultancy and Supervision
- Foundation Inspection and Testing
- Soil Laboratory
- In-situ Testing

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tools and complete soil mechanics laboratory. SANA GROUP fosters the client in obtaining the optimal design without compromising the safety of the structure and within budget limits. We assure you to give our best possible, keeping quality in mind as our core concept respecting international standards.



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OUR SERVICES INCLUDE TESTING FOR:

- Concrete
- Steel
- Aggregates
- Asphalt
- Tiles
- Water
- Soil

MATERIAL TESTING

Material Quality Assurance is crucial to ensure the durability and fulfil the structural serviceability aspect. Accordingly, SANA GROUP have established laboratories to test and analyze physical, chemical, and mechanical properties for the construction industry. Our technicians are trained to operate with computerized data

analysis and result interpretation software system applications that enable them to provide reliable and a fast service. Our group of engineers coordinate directly with clients, project managers, & engineers, to manage processes related to Quality Assurance (QA) and Quality Control (QC) for large demanding construction projects.

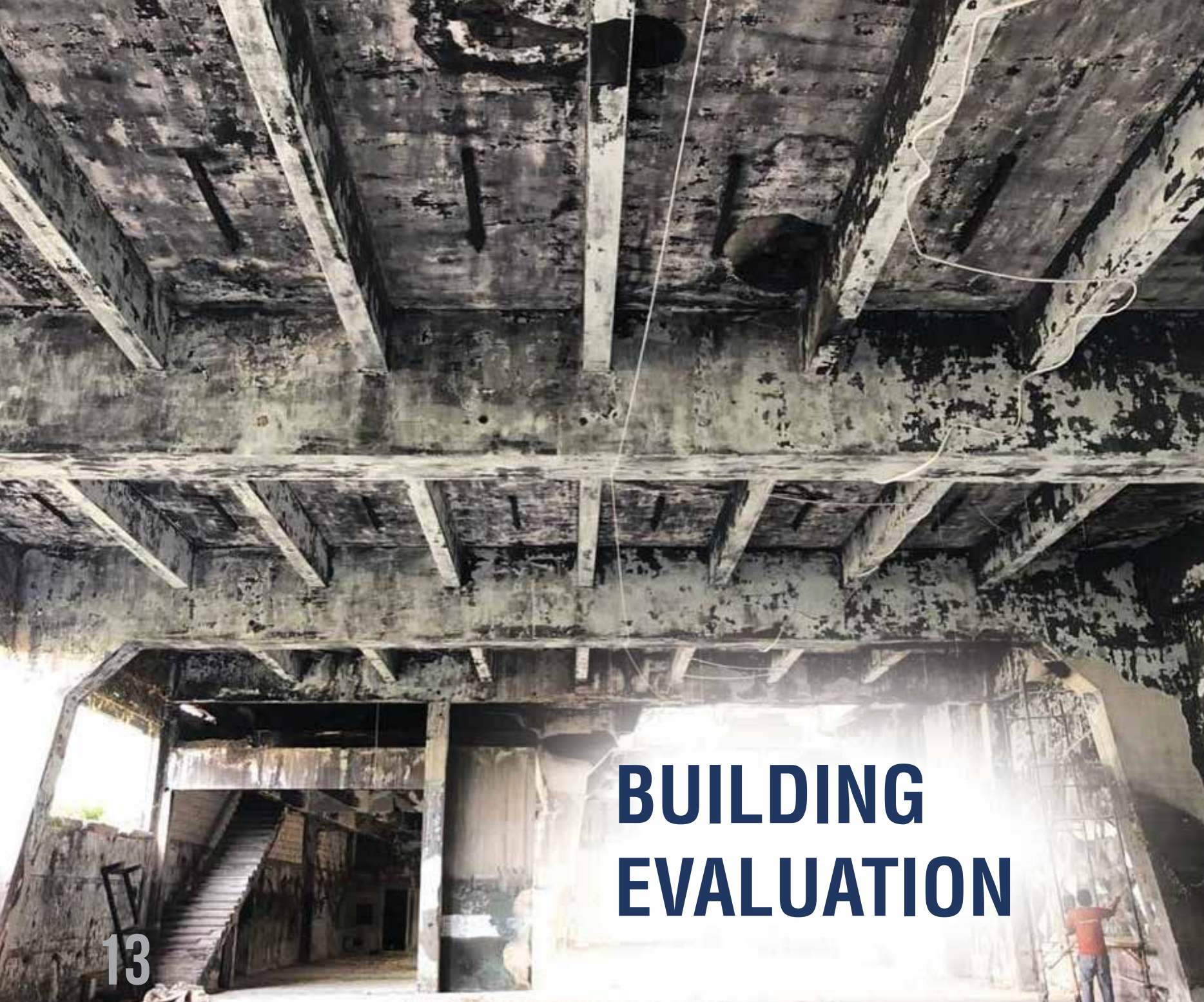


STRUCTURAL ASSESSMENT

Guided by years of experience, our Structural Team of Engineers and Project Managers have the expertise to assess and analyze Concrete Frame Buildings & Steel Structures to check their adequacy, integrity, and soundness of their components. Evaluations are made to approve the structure's current and future usage and conformity to international building codes. Consequently, we always set the boundaries to meet the high expectations of our clients and provide them with practical, long-term, and cost-effective solutions ensuring the safety of their project to perform its intended function eliminating any possible risk.

OUR SERVICES INCLUDE:

- Structural Design and Review of New and Existing
- Structures
- Structural Renovations, Survey and Evaluation
- Feasibility Studies
- Specification and Drawing Preparation
- Contract Administration
- Tender Document Preparation
- Project Management



BUILDING EVALUATION



Our Building Restoration team understands that building's complexity results in maintenance and rehabilitation complications. Consequently, SANA GROUP has an experienced Engineering team ready to inspect, analyze, and recommend solutions for any signs of structural deficiencies with the assistance of our Quality Control team.

Significantly, deficient detections could be cracks, excessive movements, bowing, deflections, differential settlements, including any evidence of distress and material deterioration. Such issues can lead to serious damages as well as negative impact performance and profitability.

OUR SERVICES INCLUDE:

- Structural Evaluation
- Rehabilitation Solutions
- Budget Estimation
- Scheduling
- Coring and Testing
- Non-destructive Testing
- Forensics Engineering



SHORING & EARTH RETENTION

SANA GROUP is identified for its profound understanding of ground behavior and geotechnical characteristics guided by its extensive experience over the years. As a result, our engineers and geologists have full capabilities to support and retain earth that is subjected to instability due to either natural unstable slopes or man-made excavations.

OUR TECHNIQUES:

- Piles
- Tie-back Anchors
- Soil Nails
- Pressure Grouting
- Shotcrete
- Micro-piles

Our core concept is SAFETY which is of utmost importance and thus we understand the hazards associated with Earth Retaining Systems and are acquainted with extreme precautions that should be taken during project execution. Our wide range of techniques provide reliability, optimization, and performance promotion for our clients.

LIST OF PROJECTS

GEOTECHNICAL SERVICES	CLIENT	YEAR	LOCATION
Youssef Trabulsi Barraks	Lebanese Army	2018	Badaro, Beirut
German School New Campus	Marwan Al Orabi Office	2018	Naameh
Water Tank Reservoir	Aksa For Trading & Contracting	2018	Baaouerta
Bahjat Ghanem Police Department	Core Development	2018	North Lebanon
Commercial Building - Lebanese Army	Tricom	2018	Baabda - Mount Lebanon
Kaslik Water Front Hotel & Resort	Eng. Joe Tawk	2018	Kaslik
Kapouchieh Residence	Hassib Ibrahim Construction Design & Management	2017	Hamra Street, Beirut
Medrar Medical Complex	Hattab Bros. Ets.	2017	Choukine - South Lebanon
Dlebta Reservoir	Ministry Of Water & Power	2017	Dlebta
Arches Building	Eng. Jamal Ismail	2017	Hadath
Beirut East Gate	M/s Nouhra & Alayli Co.	2016	Baabda - Mount Lebanon
Hazmieh Business Yard	Achour Development	2016	Hazmieh
The W-towers	Achour Development	2016	Raoucheh, Beirut
C-rock Tower	Achour Development	2016	Raoucheh, Beirut
Beitmisk - Misktowns 4-6	Emaar Lebanon S.A.L.	2015 - 2017	Metn Express Highway

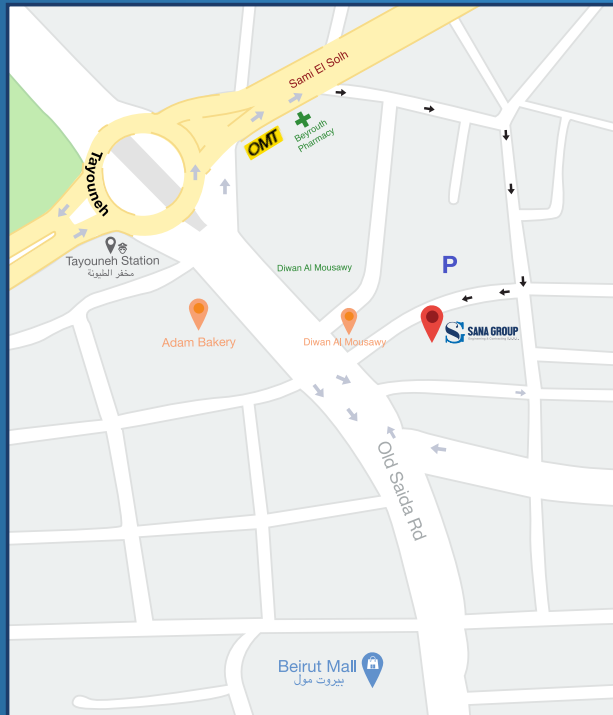
SHORING SERVICES	CLIENT	YEAR	LOCATION
Al Mazraa # 744	Tabbarah & Sawwaf	2018	Al Mazeraa
Beirut East Gate	M/S Nouhra & Alayli Co.	2018	Baabda - Mount Labenon
Chiah Caza Residence	Sana Engineers	2017	Chiah
Medrar Medical Complex	Hattab Bros. ETS.	2017	Choukine
Mar Elias Residential Building	M/S Ziad Choucair	2017	Al Laylaki Beirut
Al Laylaki Residential Complex	Eng. Youssef Darir	2017	Msaytbeh
Hazmieh Business Yard	Achour Development	2016	Hazmieh
Baabda # 2990	Khalil Nader & Georges Abi Hayla	2016	Baabda - Mount Lebanon
Chiah Residence Building	Eng. Hasan Chalhoub	2015	Chiah
Bourj El Barajneh	Space Group	2015	Bourj El Barajneh
Al Bachoura	Spectrum	2014	Al Bachoura
Beit Merry Residence	M/S Inmaa	2014	Beit Merry
Mar Elias	Hassib Ibrahim Construction Design & Management	2013	Mar Elias
Josons Tower	Al Jazeera Consultant	2013	Furn Al Chebbak



LIST OF PROJECTS

BUILDING EVALUATION SERVICES	CLIENT	YEAR	LOCATION
Alameh Co. Hadath School	Eng. Fouad Yassine	2018	Al Hadath
Sin El Fil #745	Eng. Fouad Yassine	2018	Sin El Fil
Tayouneh Complex	Internal Security Forces	2018	Tayouneh Roundabout
Gems Hotel	Sinjaba Group	2018	Hamra Street
Mohamad Nasser Security Forces Complex	Internal Security Forces	2018	Jnah
El Helo Security Forces Complex	Internal Security Forces	2018	Al Mazraa
Wissam El Hasan Security Forces Complex	Internal Security Forces	2018	Dbayeh
Tariq El Jdideh Police Station	Internal Security Forces	2018	Beirut
Zkak Al Blat Residential Complex	Beirut Municipality	2017	Zkak Al Blat
Al Mathaf # 1002	Eng. Mazen Al Sayyed	2017	Al Mathaf
Douar Residential Building	George Ashkar	2017	Douar
Arches Building	Eng. Jamal Ismail	2017	Al Hadath
Elevated Swimming Pool	Eng. Jihad Timani	2017	Baaouerta, Damour Lebanon
Sodeco Building	Eng. Souheil El Haj	2017	Beirut





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