

FAWASIL

PROFILE

2024
2025



Call

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FAWASIL VERIFICATION

Our Slogan

In a world of complexity, trust Advanced Fawasil for clarity. Verification. Validation. Success

Our Message

Advanced Fawasil is your trusted partner for accurate and reliable verification and material testings services in Saudi Arabia. Our expert team utilizes cutting-edge technology to deliver tailored solutions that ensure transparency and credibility for your business. We are committed to the highest ethical standards and strive to build long-term relationships based on trust. Choose Advanced Fawasil for exceptional service and peace of mind.



INTRODUCTION ABOUT OUR COMPANY

ABOUT US



Established in May 2023, Advanced Fawasil brings over a decade of expertise to the field of verification and testing in Saudi Arabia. We are dedicated to providing accurate and reliable solutions that empower our clients to make informed decisions and ensure the safety and quality of their projects.

Our comprehensive services encompass material testing (soil, concrete, asphalt, steel, water, and aggregate), structural assessments, geophysical and geotechnical studies, survey work, quality control, and hydrology studies. We combine cutting-edge technology with a team of experienced professionals to deliver precise results and insightful analysis.

At Advanced Fawasil, we prioritize client satisfaction and maintain the highest standards of integrity and professionalism. Our commitment to excellence has earned us the trust of clients across various sectors. Partner with us for your verification needs and experience the confidence that comes with working with a dedicated and reliable industry leader.



FAWASIL

30+

TOOLS

300+

CLINTIES

300

PROJECTS

+70

EMPLOYEE

2400

VISTING

5

COOPERATION



INTRODUCTION ABOUT OUR COMPANY

OUR VISION



At Advanced Fawasil, our vision is to be the most trusted and reliable partner for verification and testing services in Saudi Arabia. We strive to set the industry standard for accuracy, integrity, and innovation. We envision a future where every project, structure, and material is built on a foundation of verified quality and safety. Through our expertise and dedication, we aim to empower our clients to make informed decisions, mitigate risks, and achieve sustainable success. We are committed to continuously advancing our capabilities, investing in cutting-edge technology, and nurturing a team of passionate professionals. Together, we will build a legacy of excellence, contributing to the development of a stronger and safer built environment in Saudi Arabia.

OUR MISSION

- At Advanced Fawasil, our mission is to empower our clients with accurate and reliable verification and testing services. We are dedicated to ensuring the quality, safety, and integrity of projects across Saudi Arabia.
- Through our expertise in material testing, structural assessments, geophysical and geotechnical studies, and more, we provide the insights necessary for informed decision-making. We strive to exceed expectations, delivering timely results and exceptional customer service.
- Our commitment to excellence drives us to continuously innovate and adopt cutting-edge technologies. We aim to be a trusted partner, contributing to the development of a sustainable and resilient infrastructure in the Kingdom.



FAWASIL

30+

TOOLS

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EMPLOYEE

2400

VISTING

5

COOPERATION



ISO CERTIFICATE 17025:2017

WHAT IS THE ISO FOR ADVANCED FAWASIL

Advanced Fawasil for Verification is committed to delivering high-quality verification and testing services by strictly adhering to internationally recognized standards, including ISO/IEC 17025:2018 and ISO 9001:2015. These standards form the backbone of our operational framework, ensuring reliability, accuracy, and continuous improvement in all processes.

Compliance with ISO/IEC 17025:2018

ISO/IEC 17025:2018 specifies the general requirements for the competence of testing and calibration laboratories. At Advanced Fawasil, we implement this standard to guarantee that our laboratory operations meet the highest technical standards. This involves:

- Competency of personnel: We ensure that all staff are highly trained and qualified for their roles, with regular competency assessments.
- Method validation: Our testing methods are thoroughly validated to ensure precision and accuracy, and we consistently monitor the validity of results through internal audits and inter-laboratory comparisons.
- Equipment calibration and maintenance: We use state-of-the-art equipment that undergoes regular calibration and maintenance to ensure accuracy in all verification processes.
- Data integrity and reporting: Our procedures ensure that data is securely handled, accurate, and reported clearly and transparently to clients.



ISO CERTIFICATE 17025:2017



Certificate of Accreditation

Advanced FAWASIL For Verification

has been assessed and accredited in accordance with the standards

ISO/IEC 17025:2017

"General Requirements for The Competency of Testing and Calibration Laboratories"

for its facilities at

Riyadh, Al Nasim Al Gharby, Abdulrahman Ibn Awf Road, Kingdom of Saudi Arabia.

For the Scope of

**Site and Geotechnical Investigation, Topographic Survey, Engineering and
Environmental Geophysics, Materials Technology and Testing of
Construction Activities, Engineering Studies and Projects, Quality Control of
Construction Projects.**

By QSA International, UK

Registration Number: QSA-24080005

Initial Certification Date: 07 Aug, 2024

Certification Expiry Date: 06 Aug, 2027



**QSA INTERNATIONAL
LIMITED**
27, Old Gloucester Street,
London, WC1N3AX, ENGLAND

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Certification Manager



Email: info@qsai.co.uk
Web: www.qsai.co.uk

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ISO CERTIFICATE 9001:2015

WHAT IS THE ISO FOR ADVANCED FAWASIL

Adherence to ISO 9001:2015

ISO 9001:2015 focuses on quality management principles, emphasizing customer satisfaction and continual improvement. At Advanced Fawasil, we implement this standard across all areas of our business to maintain high operational efficiency and client satisfaction:

- Customer focus: We prioritize the needs and expectations of our clients by offering tailored verification solutions and responding promptly to their feedback.
- Risk-based thinking: Our processes are designed to identify and mitigate risks, ensuring smooth and uninterrupted service delivery.
- Continuous improvement: We foster a culture of continuous improvement by regularly reviewing and refining our processes, integrating feedback from audits, client reviews, and internal evaluations.
- Leadership and engagement: Our leadership is actively involved in maintaining quality standards, ensuring that all team members are aligned with our commitment to excellence.

•By following ISO/IEC 17025:2018 and ISO 9001:2015 standards, Advanced Fawasil for Verification guarantees high-quality, reliable services, providing clients with confidence in the integrity and accuracy of our verification processes.



ISO CERTIFICATE 9001:2015

Certificate of Registration

This is to certify that Quality Management System of

Advanced FAWASIL For Verification

Riyadh, Al Nasim Al Gharby, Abdulrahman Ibn Awf Road, Saudi Arabia

is in accordance with the requirements of the following standard

ISO 9001:2015

(Quality Management System)

SCOPE

Site and Geotechnical Investigation, Topographic Survey, Engineering and Environmental Geophysics, Materials Technology and Testing of Construction Activities, Engineering Studies and Projects, Quality Control of Construction Projects

(IAF CODE - 34)

Certificate Number : 140524019620

To verify certificate, visit at :
www.arscert.com
<https://uafaccreditation.org>
<https://www.iafcertsearch.org/>

Initial Registration Date : 14-May-2024
1st Surveillance Date : 14-Apr-2025
2nd Surveillance Date : 14-Apr-2026
Certificate Expiry Date : 13-May-2027

Issued by ARS Assessment Private Limited

Abhishek
Managing Director

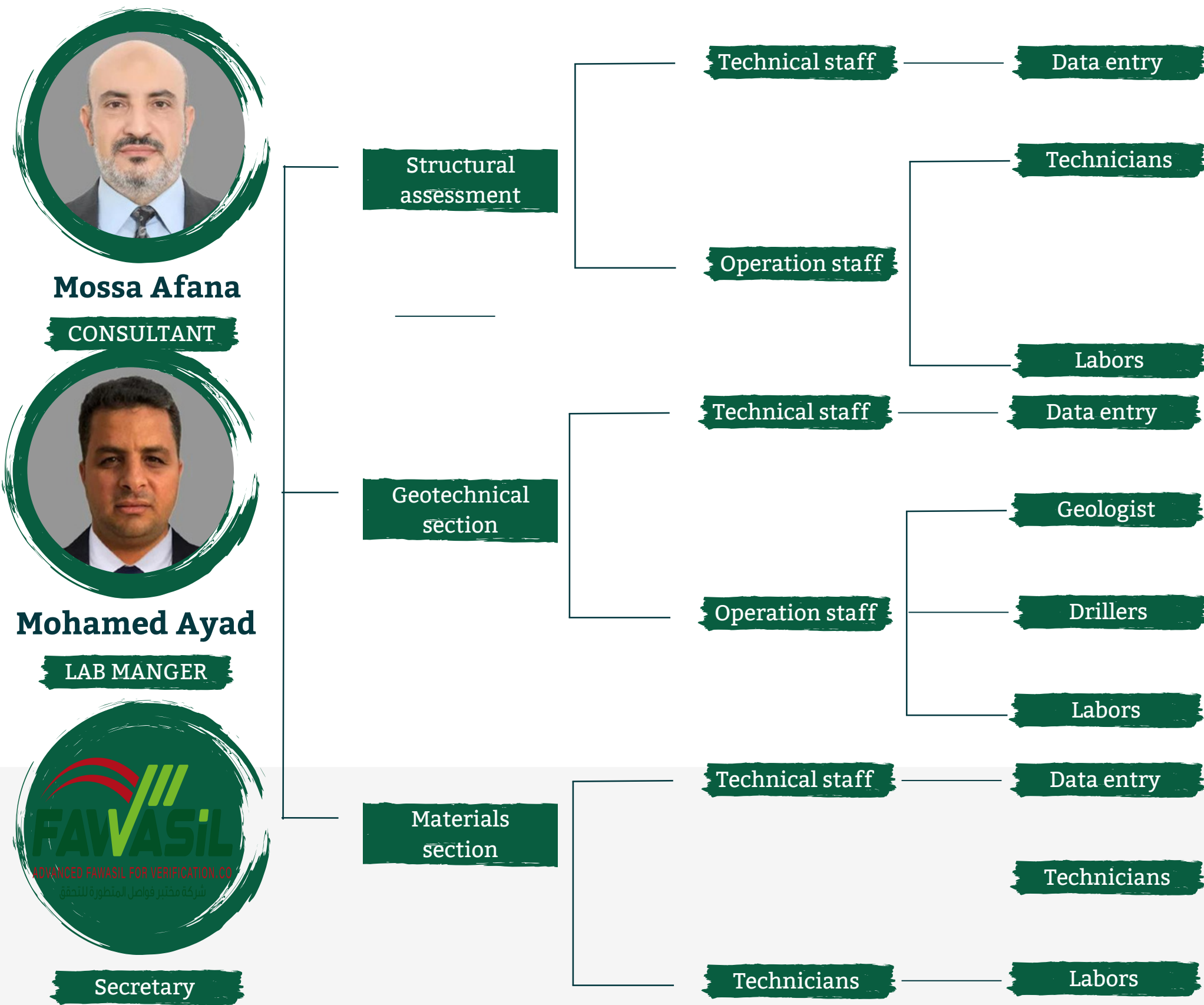
 

UAF Address : 400, North Center Dr, STE 202, Norfolk, VA 23502, United States of America :

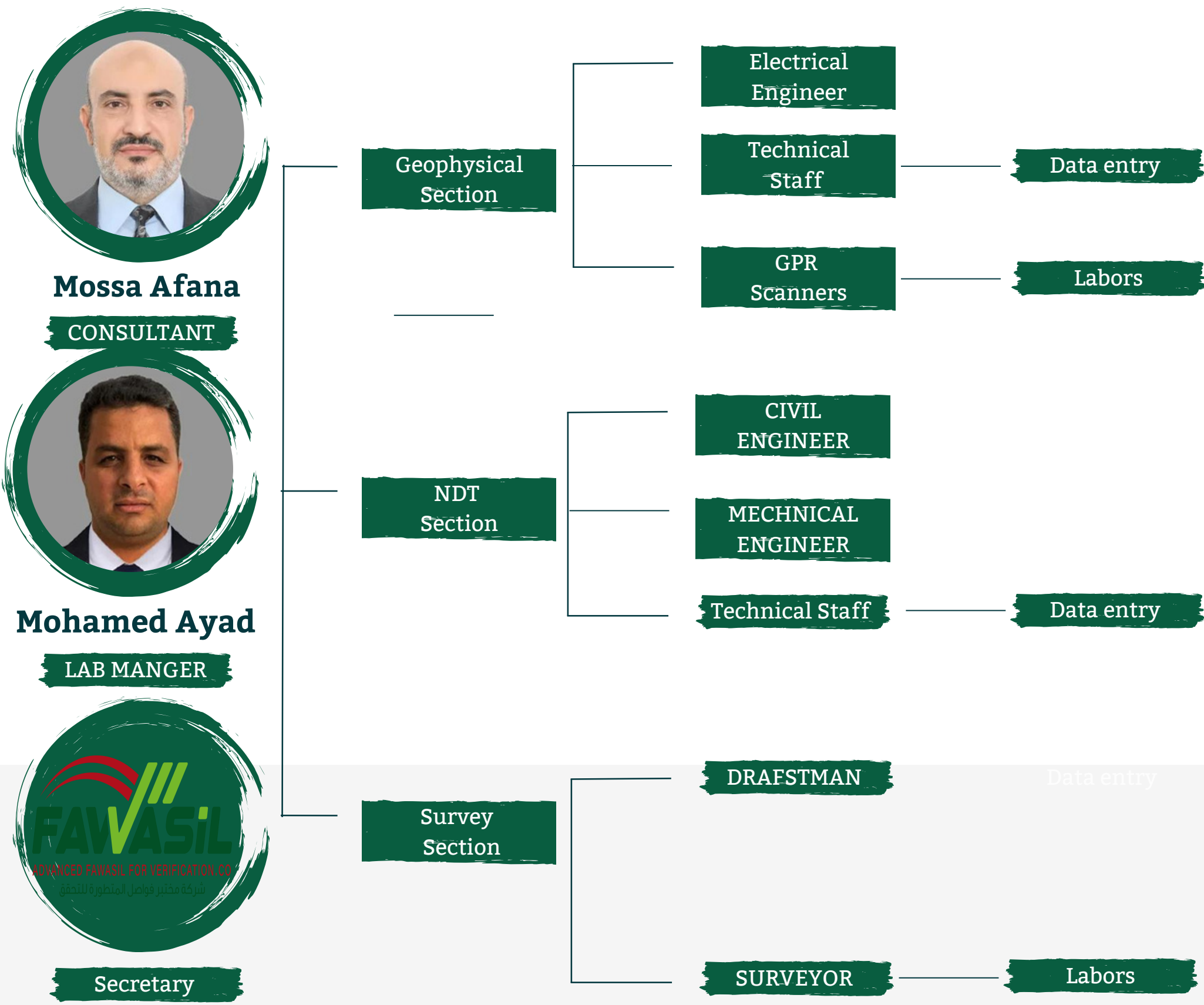
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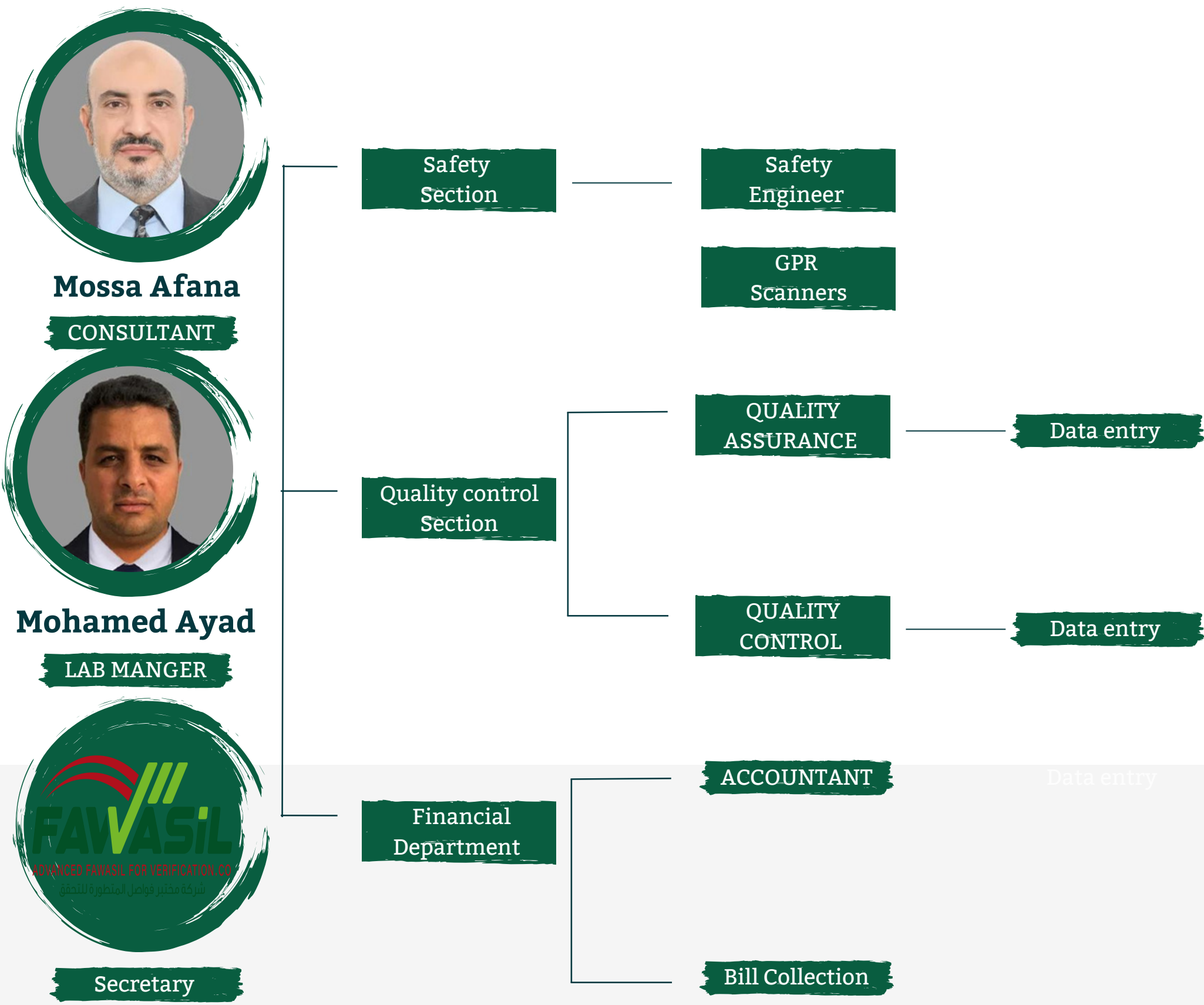
ORGANIZATION CHART



ORGANIZATION CHART



ORGANIZATION CHART



INTRODUCTION ABOUT OUR FIELDS

"THE SUCCESS AND CREDIBILITY OF LABORATORY PROJECTS ARE CONTINGENT UPON RIGOROUS QUALITY CONTROL MEASURES, ENSURING THE ACCURACY AND RELIABILITY OF THE GENERATED RESULTS."

Laboratory teams must adhere to the highest standards of quality and excellence throughout all stages of their work, from sample reception to the delivery of final reports.



WHAT WE DO?

QUALITY CONTROL

We understand that the quality of our work directly impacts the success of your projects. To ensure the highest standards of precision, we have implemented a robust quality control system.

MATERIAL DEPARTMENT

We utilize high-quality materials that meet or exceed industry standards to ensure the accuracy and reliability of our results.

STRUCTURAL EVALUATION

We utilize advanced techniques and state-of-the-art equipment to provide accurate and reliable assessments.

GEOTECHNICAL DEPARTMENT

Our geotechnical department specializes in the investigation and testing of soil and rock formations.



What advantages are offered by Fawasil ?



Our laboratory offers a comprehensive suite of specialized services designed to meet the unique quality and data requirements of your project. With our dedicated materials testing, quality control, and geotechnical departments, we ensure that your project adheres to the highest industry standards.



Materials Department

Advanced Fawasil's Material Testing Department: Ensuring Quality and Safety through Comprehensive Analysis

Advanced Fawasil's Material Testing Department stands as a cornerstone of our commitment to delivering projects of exceptional quality and safety. We recognize that the strength, durability, and performance of construction materials are paramount to the success and longevity of any infrastructure. Our Material Testing Department serves as a guardian of these critical factors, providing comprehensive testing and analysis services that empower our clients to make informed decisions and mitigate risks.

Unmatched Expertise and State-of-the-Art Facilities

Our Material Testing Department boasts a team of highly skilled and experienced engineers and technicians who are passionate about precision and accuracy. They are equipped with state-of-the-art laboratory facilities and cutting-edge testing equipment, enabling them to conduct a wide array of tests and analyses in accordance with international standards and best practices.



Materials Department

Comprehensive Range of Material Testing Services

We offer an extensive range of material testing services, covering a diverse spectrum of construction materials crucial for any project:

- **Soil Testing:** We conduct in-depth soil investigations to assess soil properties, bearing capacity, and suitability for various construction purposes. Our tests include soil classification, compaction tests, shear strength tests, and permeability tests, providing essential data for foundation design and earthwork projects.
- **Concrete Testing:** We evaluate the strength, durability, and workability of concrete through a series of tests, including compressive strength tests, flexural strength tests, and slump tests. We also offer specialized tests for concrete mix design and quality control, ensuring that concrete used in construction meets project specifications and performance requirements.
- **Water Testing:** We analyze the quality of water used in construction and other applications, ensuring it meets regulatory standards and is suitable for its intended use. Our water testing services cover a range of parameters, including pH, turbidity, dissolved solids, and microbiological contaminants.
- **Steel Testing:** We evaluate the mechanical properties and chemical composition of steel through tensile tests, hardness tests, and chemical analysis. This ensures that steel used in construction meets the required strength, ductility, and corrosion resistance properties.
- **Aggregate Testing:** We assess the physical and mechanical properties of aggregates used in concrete and other construction materials, ensuring they meet project specifications. Our aggregate testing services include sieve analysis, specific gravity tests, and abrasion tests.



Materials Department

- **Asphalt Testing:** We evaluate the performance and longevity of asphalt pavements through a range of tests, including Marshall stability, flow, and density measurements. We also assess asphalt binder properties and conduct mix design analysis to ensure optimal performance and durability.

Client-Centric Approach and Timely Results

At Advanced Fawasil, we understand the importance of timely and accurate results. We work closely with our clients to understand their specific needs and project timelines, ensuring that our testing services are seamlessly integrated into their workflows. Our commitment to exceptional customer service and clear communication ensures that our clients are informed and empowered throughout the testing process.

Contributing to a Safer and More Sustainable Built Environment

Through our rigorous material testing services, we contribute to the creation of a safer and more sustainable built environment in Saudi Arabia. By verifying the quality and performance of construction materials, we help prevent structural failures, enhance project longevity, and promote resource efficiency.

Choose Advanced Fawasil for Your Material Testing Needs

When you choose Advanced Fawasil for your material testing needs, you are choosing a partner dedicated to excellence, precision, and integrity. We are committed to providing you with the insights and confidence you need to build with assurance.

Contact us today to learn more about our Material Testing Department and how we can support your next project.



Quality Control

Quality assurance is paramount in laboratory operations, as the accuracy and reliability of results directly impact the credibility and success of any project. Our laboratory team is committed to upholding the highest standards of quality and excellence throughout all stages of the testing process, from sample receipt to final report generation.

Our comprehensive quality assurance program encompasses:

- **Staff Training:** Regular training to ensure our personnel are proficient in the latest techniques and adhere to strict safety protocols.
- **Process Standardization:** Implementing standardized procedures for all laboratory activities, from sample handling to data analysis, to ensure reproducibility and transparency.
- **Internal Quality Control:** Conducting routine internal audits to identify and address any quality issues promptly.
- **External Quality Assessment:** Participating in accredited external quality assessment programs to benchmark our results against industry peers.
- **Data Integrity:** Maintaining meticulous records of all data and results in accordance with national and international standards."

QUALITY CONTROL

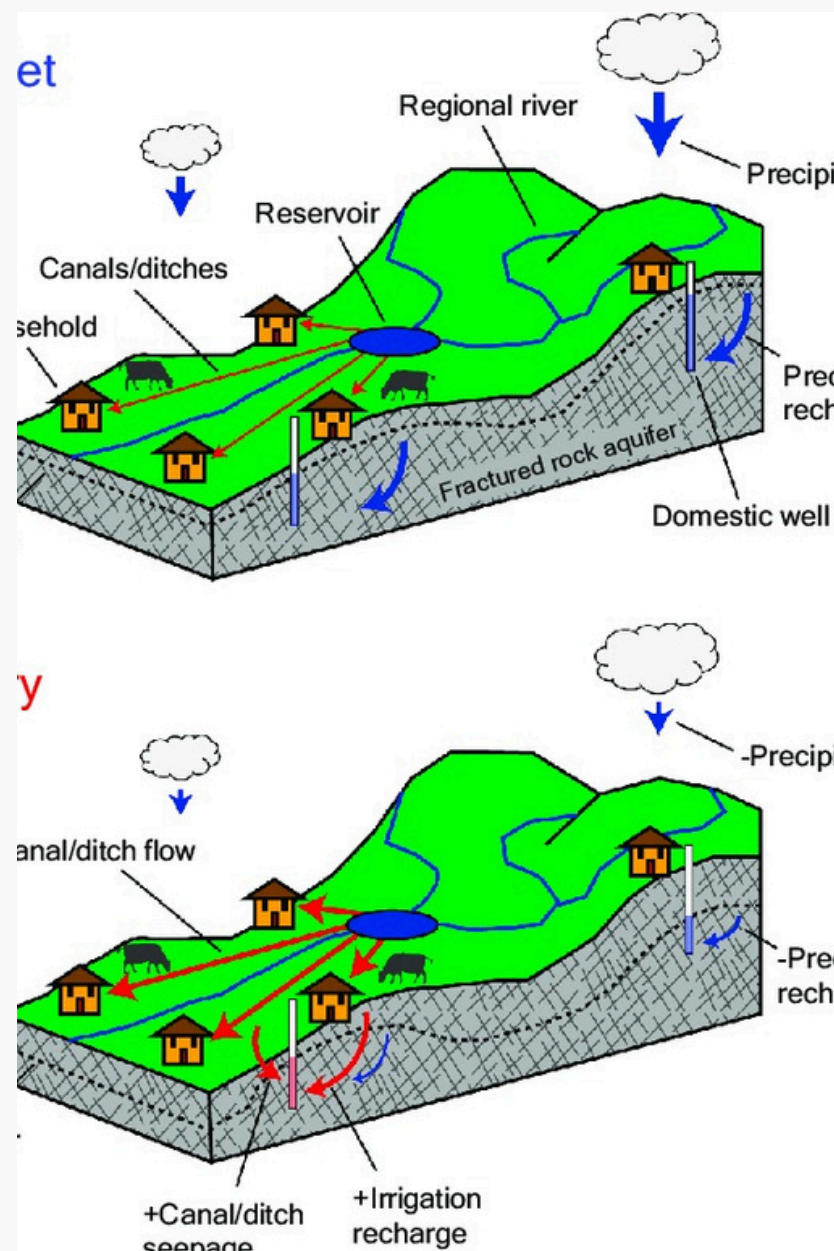
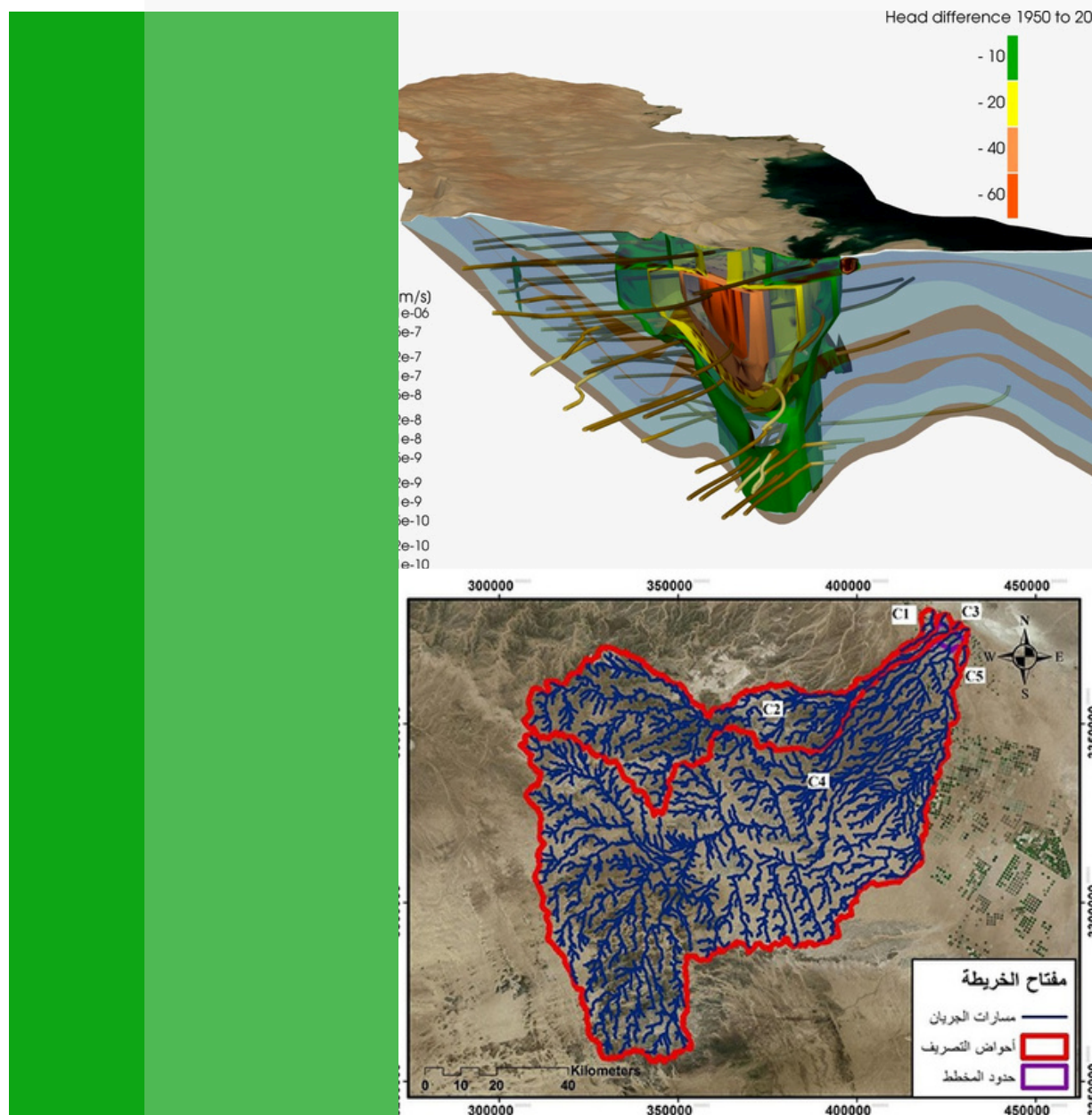


Hydrology studies Department

In an advanced Fawaasil verification company, the Hydrology Section would likely provide specialized roles and services tailored to the specific needs of verification and due diligence processes, with a strong focus on water-related risks and impacts.

Potential Roles and Services :

- Water Resource Assessments.
- Evaluating the availability and sustainability of water resources for projects, especially in water-scarce regions like Saudi Arabia.
- Assessing the potential impact of projects on water resources, including groundwater depletion, surface water pollution, and changes in hydrological regimes.
- Hydrological Risk Assessments.
- Identifying and evaluating hydrological risks associated with projects, such as floods, droughts, and flash floods.
- Developing risk mitigation and adaptation strategies to minimize the potential impact of hydrological hazards.
- Environmental Impact Assessments (EIAs).
Contributing to the hydrological and water resource components of EIAs for various projects.
- Evaluating the potential impacts of projects on water quality, aquatic ecosystems, and downstream water users.
- Due Diligence for Investments and Acquisitions:
- Conducting hydrological due diligence for investments and acquisitions, especially in sectors with high water dependency or potential water-related risks.





Geotechnical Department

The Geotechnical Department conducts comprehensive investigations to characterize subsurface soil and rock conditions at a site. These studies are crucial for determining the appropriate foundation requirements for new or existing structures, infrastructure projects, and facilities. By understanding the subsurface conditions, we can ensure the successful execution of any construction project.

Our department employs various methods to collect subsurface data, including:

- Soil Sampling: Obtaining soil samples through boreholes and test pits.
- Laboratory Testing: Conducting a wide range of laboratory tests to determine the engineering properties of soil and rock.
- Subsurface Profiling: Utilizing geophysical techniques to map subsurface layers.
- Shear Strength Testing: Assessing the soil's ability to resist shear stresses.
- Plate Load Testing: Evaluating the bearing capacity of the soil.
- Permeability Testing: Determining the soil's ability to transmit fluids.
- Groundwater Monitoring: Measuring groundwater levels and fluctuations.
- Standard Penetration Testing: Assessing the soil's density and consistency.

Through these investigations, we provide essential geotechnical data that informs design decisions and ensures the long-term stability and performance of structures.



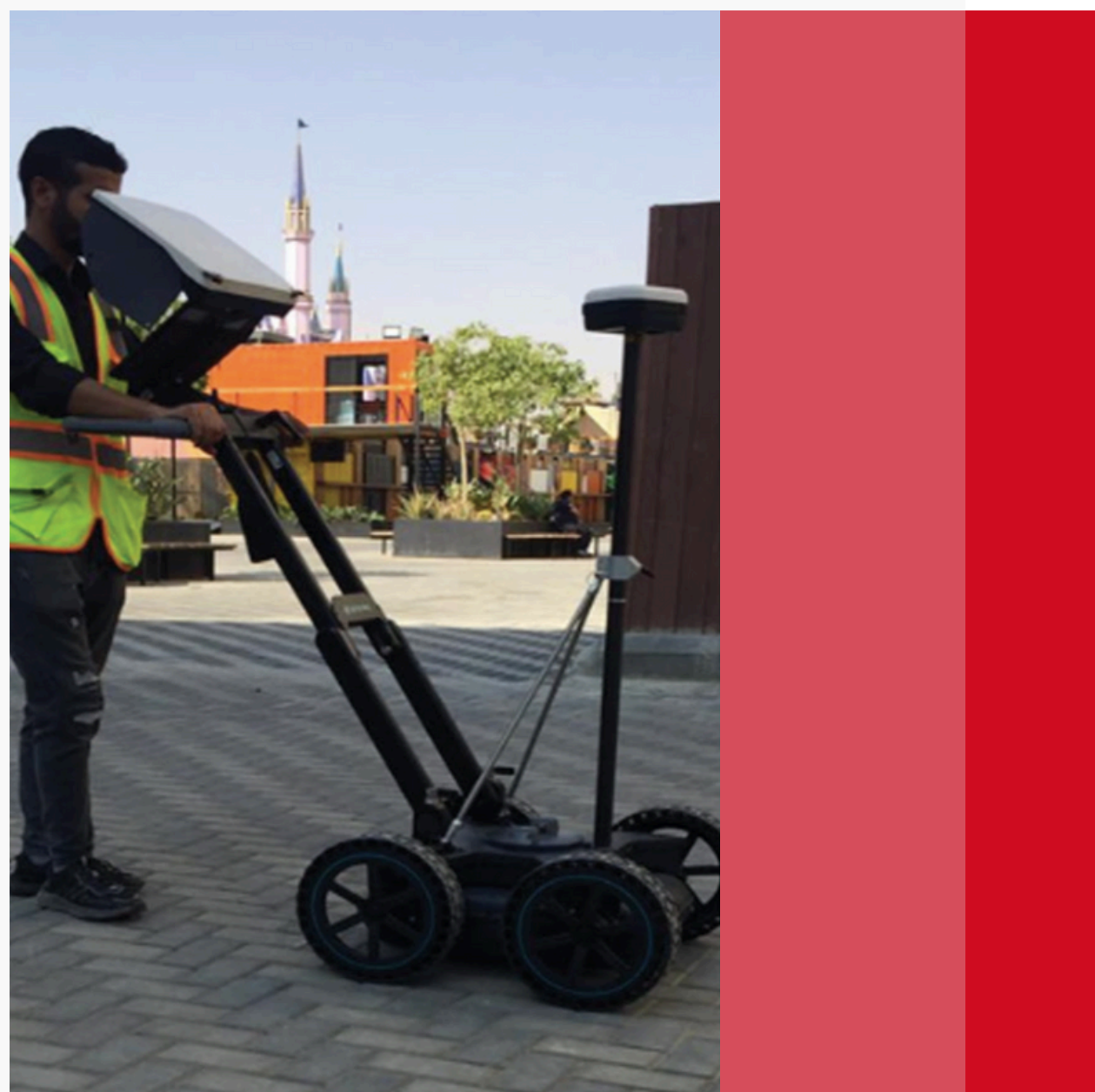


Geophysics Department

The Geophysics Department at Fawasel Company specializes in providing comprehensive geotechnical evaluation and assessment services for land and structures. We employ advanced geophysical techniques to conduct a wide range of tests and analyses, delivering precise and detailed reports to our clients.

Our services include:

- Subsurface Utility Location: Precisely locating underground utilities such as pipes, tanks, and cables.
- Soil Profiling: Determining soil layer depths and characteristics.
- Soil Property Analysis: Assessing soil properties and parameters.
- Groundwater Level Determination: Identifying groundwater levels.
- Detection of Buried Concrete Elements: Locating buried concrete structures.





Structural Assessment Department

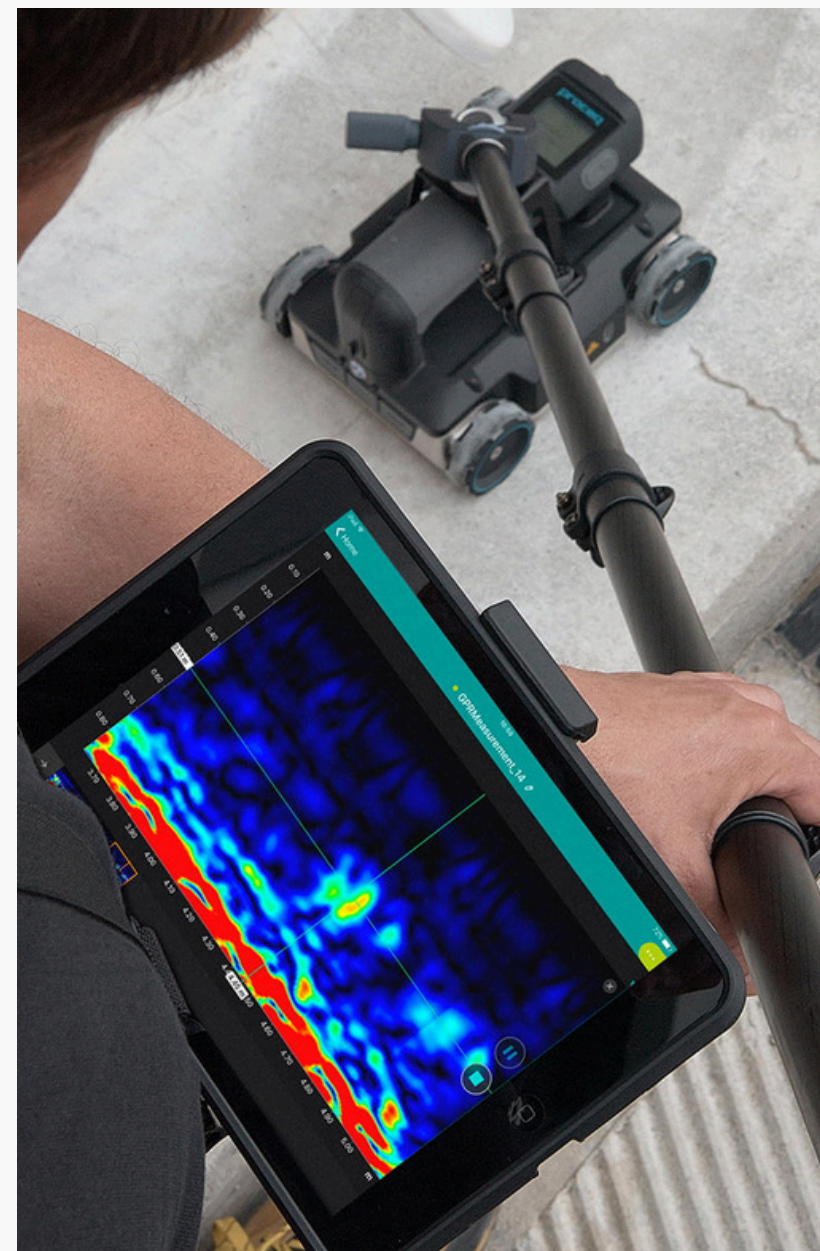
Advanced Fawasil's Assessment of Existing Structures Department: Ensuring Structural Integrity and Longevity

Advanced Fawasil's Assessment of Existing Structures Department plays a crucial role in evaluating the safety, performance, and longevity of existing buildings and infrastructure. We understand that structures are subject to various factors that can impact their integrity over time, including aging, environmental conditions, changes in usage, and unforeseen events. Our department utilizes a combination of advanced technologies, engineering expertise, and meticulous analysis to provide comprehensive assessments and solutions that ensure the continued safety and functionality of existing structures, allowing clients to make informed decisions and optimize their investments.

Wide Range of Engineering Services

We offer a diverse range of engineering services tailored to the specific needs of each structure:

- **Preparation and Verification of Structural As-Built Drawings:** We meticulously document the existing conditions of a structure, creating accurate as-built drawings that serve as a valuable reference for future renovations, modifications, or maintenance. This ensures that any future work is carried out with a clear understanding of the structure's current state.
- **Building Settlement Studies:** We investigate and analyze the causes and extent of building settlement, providing recommendations for remediation and preventive measures. This helps to address potential safety concerns and ensure the long-term stability of the structure.
- **Adding Additional Floors or Loads to an Existing Building:** We assess the structural capacity of existing buildings to accommodate additional floors or loads, ensuring that any modifications are carried out safely and in compliance with building codes. This allows for the expansion or repurposing of existing structures without compromising their structural integrity.





Structural Assessment Department

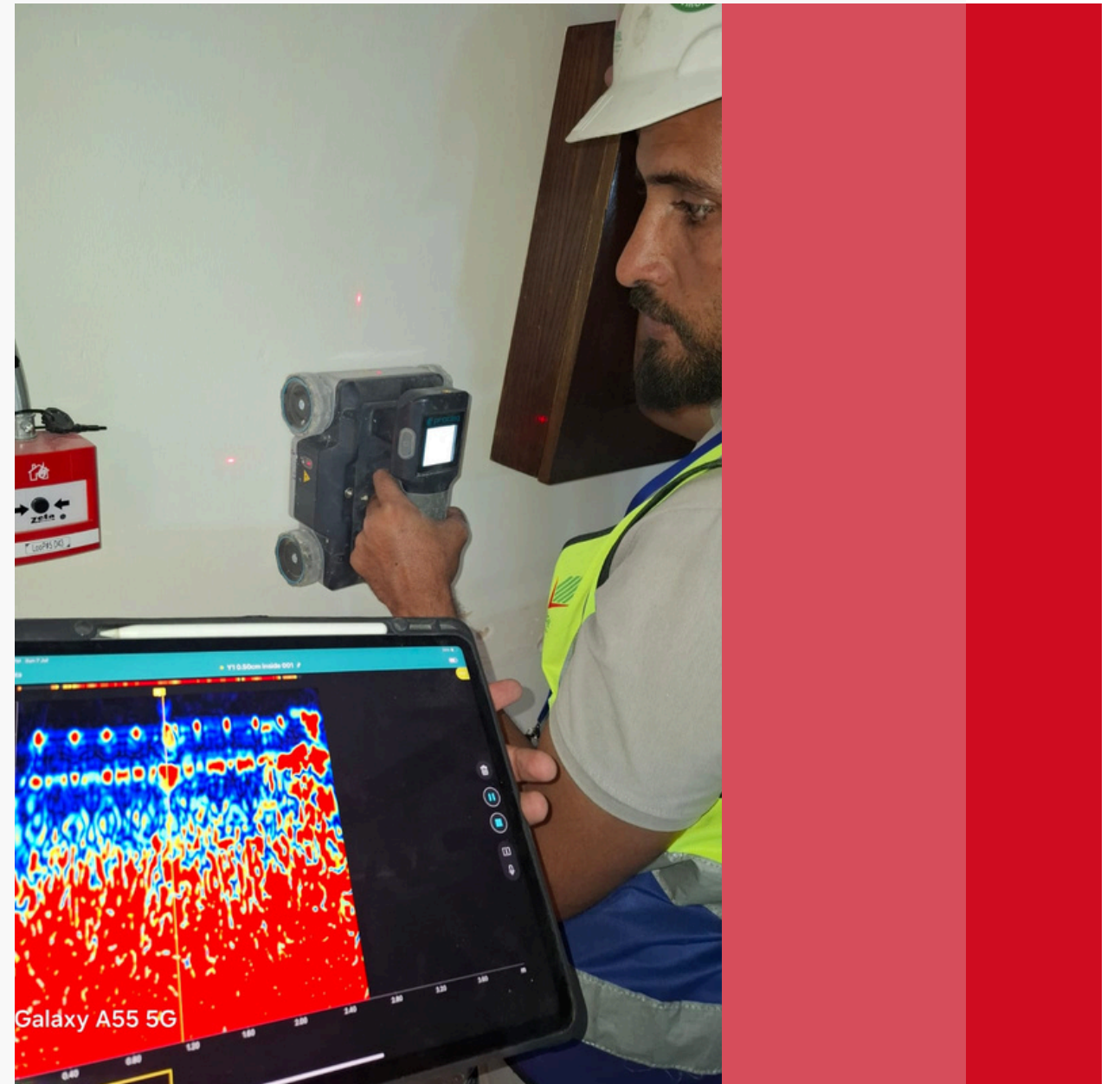
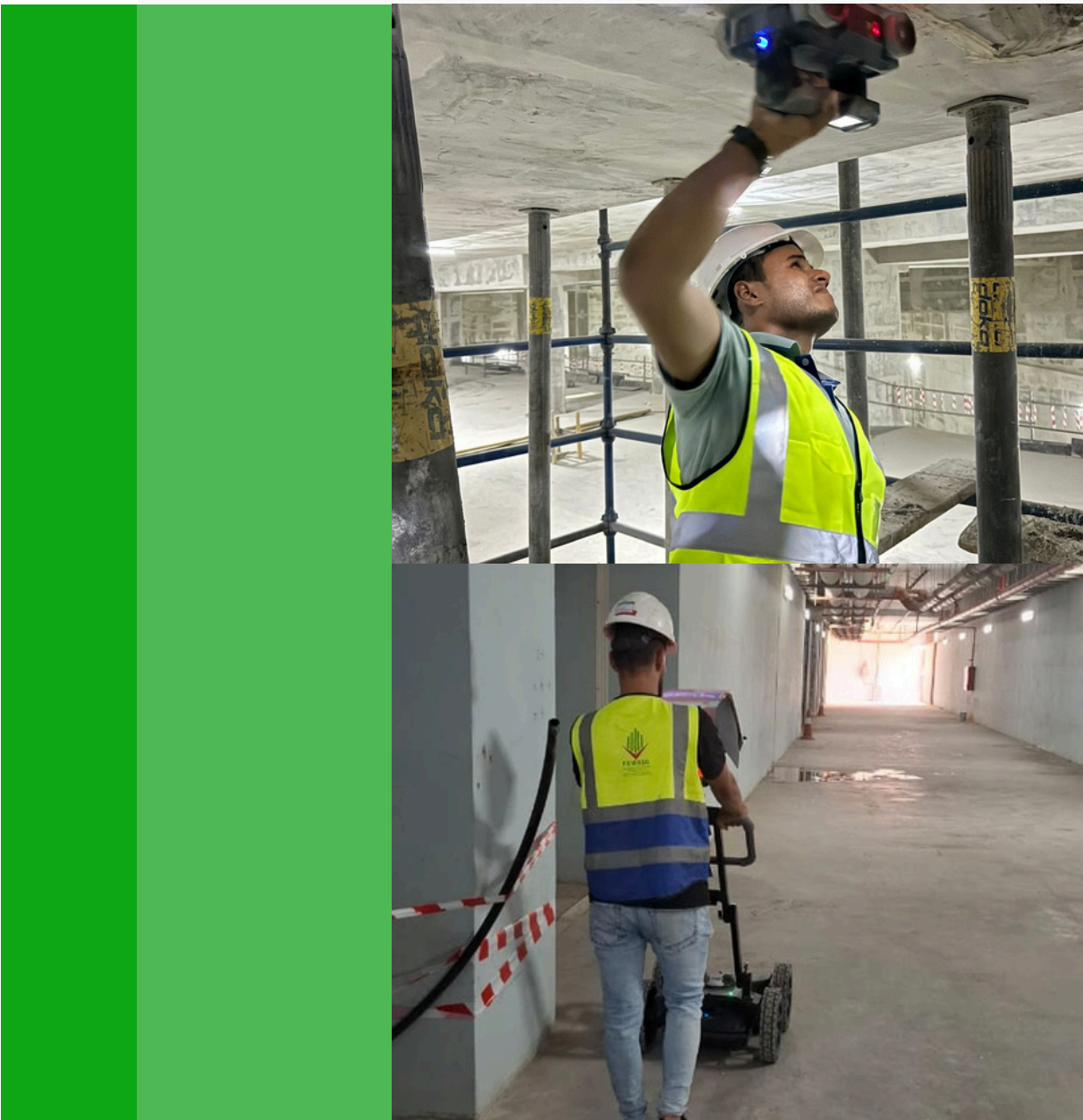
- **Strengthening Solutions:** We design and implement strengthening solutions to enhance the load-carrying capacity and durability of existing structures, extending their service life and improving their resilience to various loads and environmental conditions. This can be a cost-effective alternative to demolition and reconstruction, while also preserving the historical or architectural value of a building.
- **Integrity Testing:** We conduct non-destructive testing (NDT) to evaluate the integrity of structural elements, identifying any hidden defects or weaknesses that may compromise safety. This allows for targeted repairs and proactive maintenance, preventing costly and potentially dangerous structural failures.
- **3D Void Detection in Concrete Elements:** We utilize advanced technologies like ground-penetrating radar (GPR) to detect voids, cracks, and other anomalies within concrete elements, enabling targeted repairs and preventive maintenance. This helps to maintain the structural integrity of concrete structures and extend their service life.
- **Onsite Strength Evolution:** We monitor the strength development of concrete and other materials in real-time, ensuring that they meet the required specifications and achieve their full potential. This provides valuable quality control data and helps to optimize construction processes.
- **Modeling and Analysis of Structures:** We utilize sophisticated software tools to create detailed models of structures and simulate their behavior under various loads and conditions. This allows us to assess their performance, identify potential vulnerabilities, and design effective solutions.





Structural Assessment Department

- **Durability Testing:** We conduct a range of tests to evaluate the long-term performance of materials and structures under various environmental conditions, including exposure to moisture, chemicals, and temperature fluctuations. This helps to ensure the durability and longevity of structures, minimizing the need for costly repairs and maintenance in the future.
- **Expertise and Cutting-Edge Technology**
- Our team of experienced structural engineers and technicians possesses a deep understanding of structural behavior and the latest assessment techniques. We leverage cutting-edge technologies, such as 3D laser scanning, drone inspections, and finite element analysis, to gather precise data and conduct in-depth analysis.
- **Client-Focused Approach and Tailored Solutions**
- We recognize that every structure is unique, and we take a client-focused approach to understand the specific needs and challenges of each project. We work closely with our clients to develop tailored solutions that address their concerns, optimize their investments, and ensure the long-term viability of their structures.
- **Commitment to Safety and Sustainability**
- At Advanced Fawasil, we are committed to promoting safety and sustainability in the built environment. Our assessment services help identify and mitigate potential risks, ensuring the safety of occupants and users. We also advocate for sustainable practices, such as adaptive reuse and structural rehabilitation, to minimize environmental impact and conserve resources.
- **Choose Advanced Fawasil for Your Structural Assessment Needs**
- When you choose Advanced Fawasil for your structural assessment needs, you are choosing a partner dedicated to excellence, precision, and integrity. We are committed to providing you with the insights and confidence you need to make informed decisions about your existing structures. Contact us today to learn more about our Assessment of Existing Structures Department and how we can support your project goals.





NDT Testing Department

Benefits of an NDT Testing Department for Steel Structures

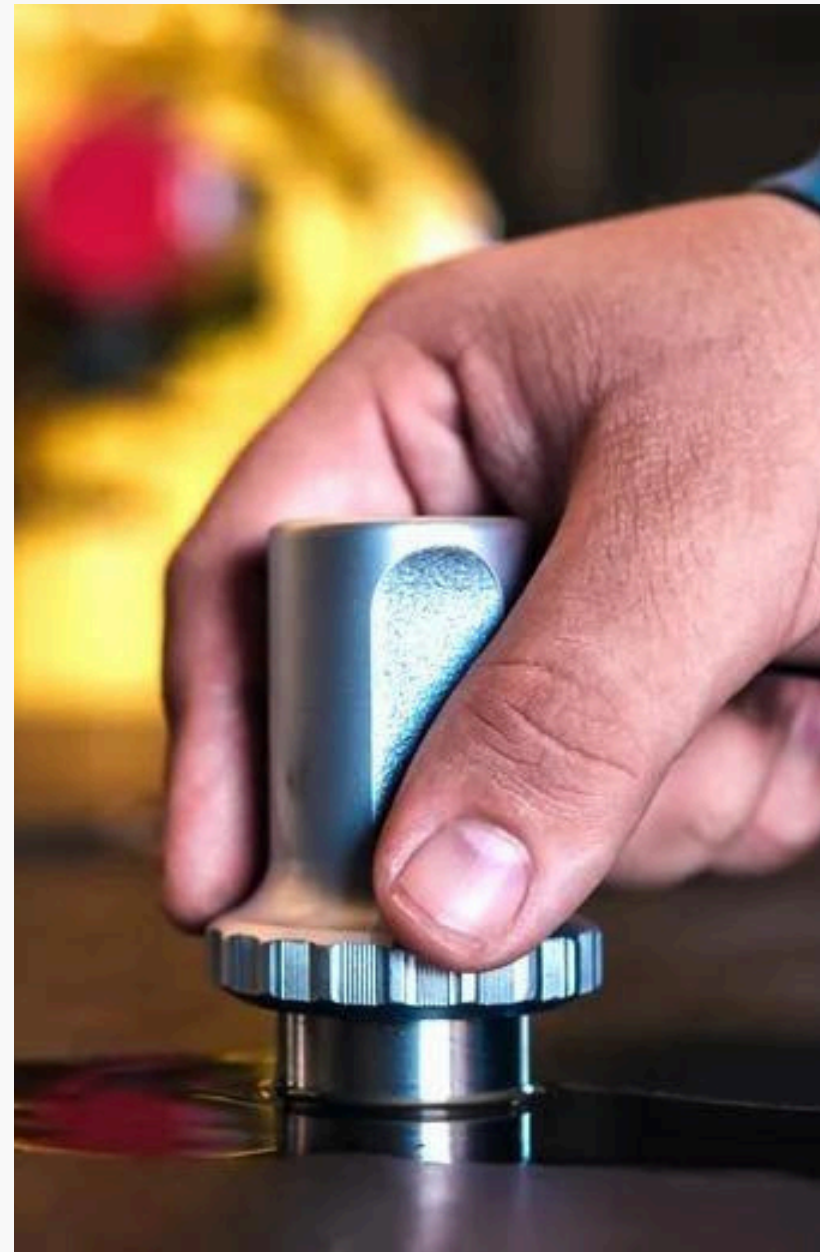
An NDT (Non-Destructive Testing) department provides numerous benefits for steel structures, including:

- Enhanced safety and reliability: Early detection of defects prevents catastrophic failures.
- Cost savings: Timely repairs avoid costly replacements or renovations.
- Extended service life: Monitoring the condition of structures delays the need for replacements.
- Improved maintenance planning: NDT results inform effective maintenance strategies.
- Quality assurance: NDT ensures compliance with standards and specifications.
- Regulatory compliance: NDT helps avoid legal and financial penalties.
- Risk mitigation: NDT identifies potential risks and allows for proactive measures.
- Peace of mind: Knowing structures have been thoroughly inspected provides reassurance.

Services Provided by an NDT Department

An NDT department offers a range of services, including:

- Visual inspection: Examining the structure for visible defects.
- Magnetic particle testing (MT): Detecting surface and subsurface discontinuities in ferromagnetic materials.
- Dye penetrant testing (PT): Locating surface-breaking discontinuities in non-porous materials.
- Ultrasonic testing (UT): Detecting internal flaws and measuring thickness using sound waves.
- Eddy current testing (ET): Detecting surface and subsurface flaws in conductive materials.
- Acoustic emission testing (AE): Monitoring acoustic energy to indicate developing cracks.
- Infrared thermography (IRT): Detecting thermal anomalies indicating damage.
- Consulting and expert advice: Providing guidance on NDT methods, results, and inspection plans.
- Training and certification: Offering training programs for NDT technicians and inspectors.



EQUIPMENTS AND TOOLS



GS8000 Subsurface Mapping GPR

The most efficient real-time workflow and technology to scan and digitize the subsurface

- Get a clear image of the underground in 2D and 3D as you walk
- Digitize on-site findings on the map and send to CAD/GIS
- Access to your data from anywhere, anytime

Applications:

Damage prevention / Excavation safety / Utility locating & mapping / Subsurface utility engineering (SUE) / Surveying & Reality Capture / Road inspection / Bridge inspection / Geophysical investigations / Archaeology / Forensics & UXO / Precision Agriculture



EQUIPMENTS AND TOOLS



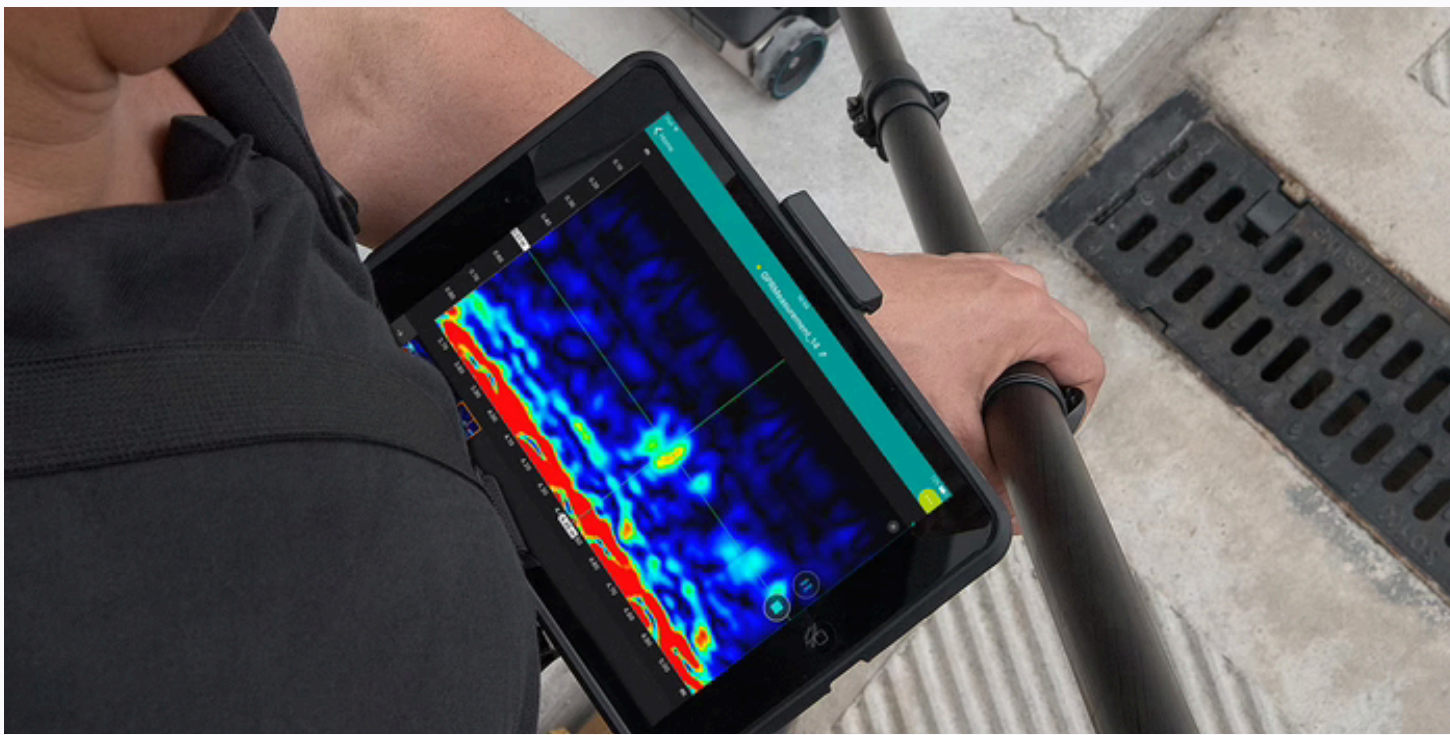
GP8000 Proceq Ground Penetrating Radars

The GP8000 is a portable concrete GPR radar. Faster, easier concrete inspections and structural imaging with SFCW ground penetrating radar technology

- Unparalleled radar penetration depth and resolution in a single GPR probe
- Powerful, user-friendly user interface for faster, easier concrete assessment
- Great handling and ergonomics in all applications

Applications:

- Investigation of pavement and bridge decks / Locating of rebars and live wires before drilling, cutting and coring / Shallow utility locating / Concrete Quality Assessment



EQUIPMENTS AND TOOLS



PD8050 Pundit Ultrasonic

Consolidated power in a single device for structural imaging, object and defect detection with ultrasound pulse echo

- Real-time imaging, weight optimization and AI assistance
- Large scale 2D, 3D, heatmap and AR visualization modes
- Superior image clarity with control of all transmission parameters

Applications:

- **Location of subsurface defects of concrete / Measurement of thickness of concrete elements / Determination of concrete pulse velocity for homogeneity and strength estimation**



EQUIPMENTS AND TOOLS



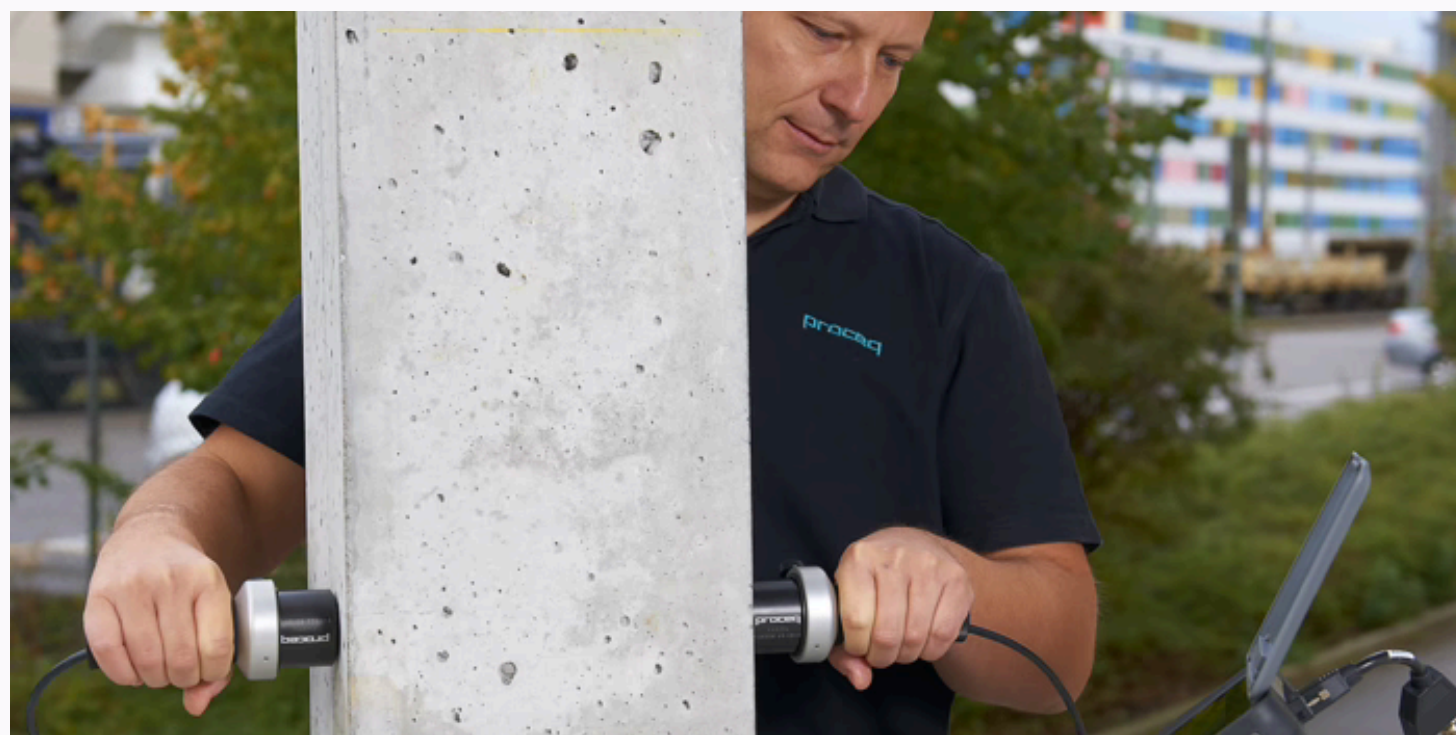
PUNDIT 200 Pundit Ultrasonic

Concrete properties analysis using ultrasound pulse velocity

- Complete set of measurement modes
- Area scanning for uniformity testing
- The same instrument can be used with pulse-echo transducers

Applications:

- **Correlation of compressive strength of concrete and rocks / Correlation to modulus of elasticity of rocks / Mapping homogeneity of concrete / Concrete strength estimation using the SONREB method / Quality assessment**



EQUIPMENTS AND TOOLS



DY-225 Pull-off Testers

Automated pull-off tester ideally suited for very high strength applications

- Increased calibration accuracy
- A comprehensive range of test discs
- Easy to operate and program



EQUIPMENTS AND TOOLS



ZBL F130 Portable Concrete Crack Width Detector Concrete Crack Width Detector

- Micro cameras are small, light and easy to carry.
- Connects to the host via wireless mode and the transmission
- distance is more than 10M. Very suitable for measuring climbing stairs.
- It can realize automatic real-time interpretation
- and manual interpretation of crack width

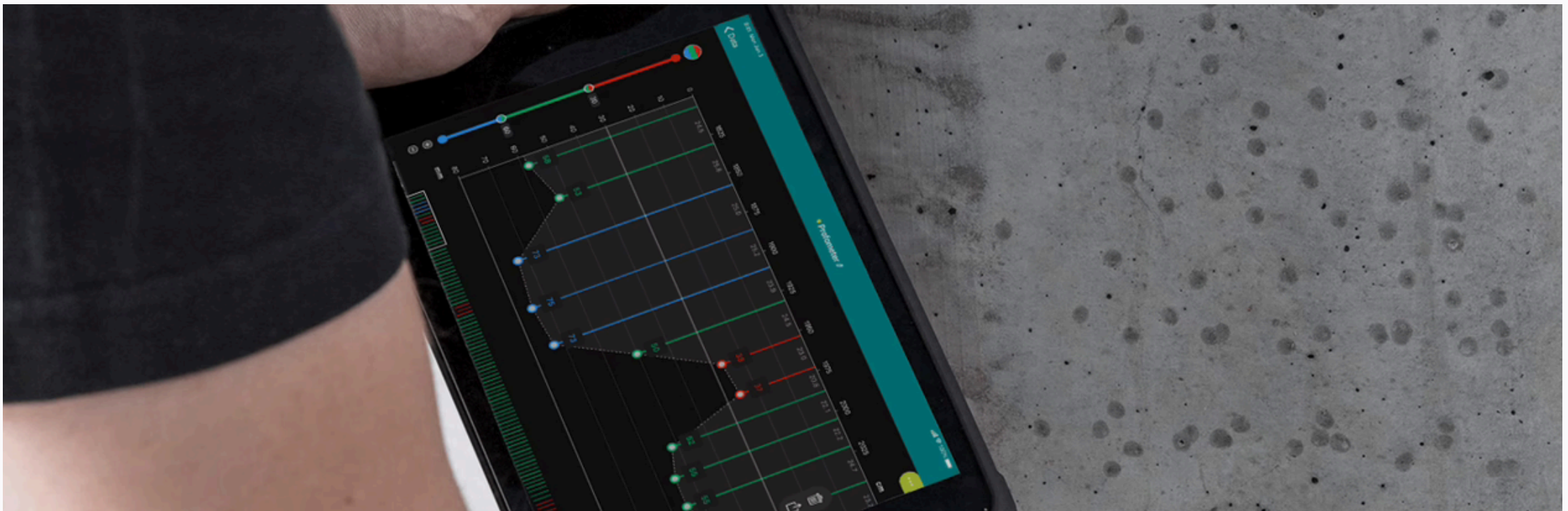


EQUIPMENTS AND TOOLS



PROFOMETER600 Profometer Rebar Diameter & Cover Meter

- the advanced concrete cover meter, from concrete rebar detection to line scanning. Precise concrete rebar cover measurements and diameter estimation with great clarity.
- Unrivalled precision thanks to a sophisticated data interpolation & intelligent auto-mode
- Superior ergonomics with compact, ultra light-weight and fully wireless sensor
- Unmatched productivity with instant availability of data analytics and visualization

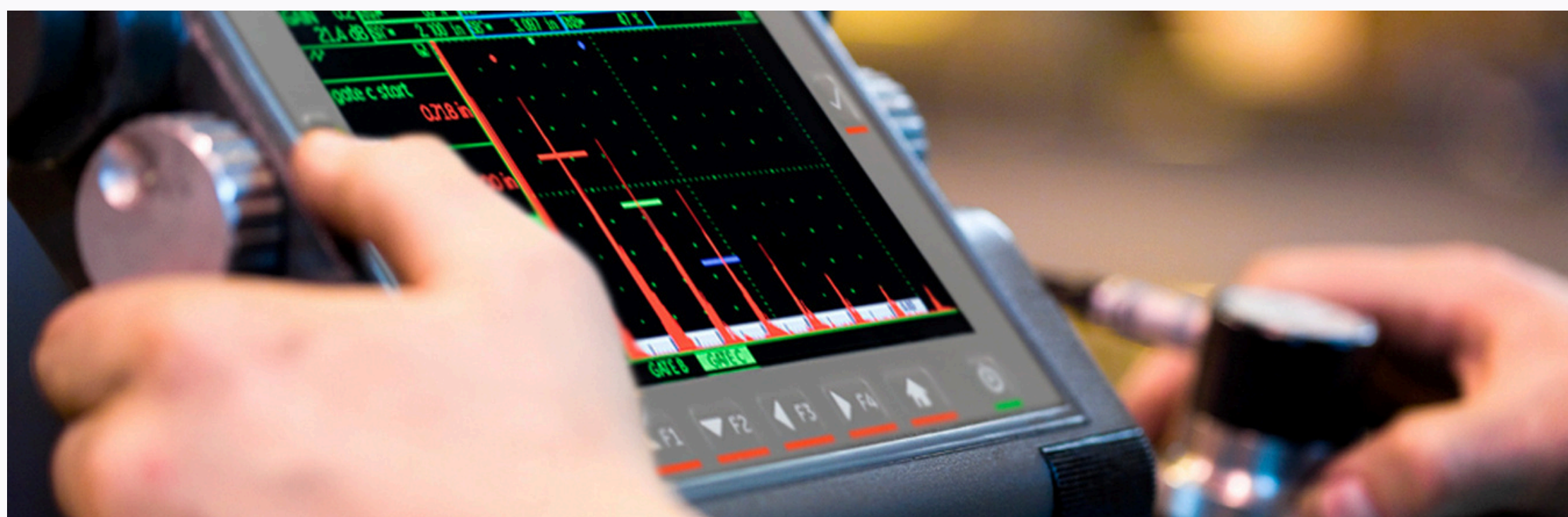
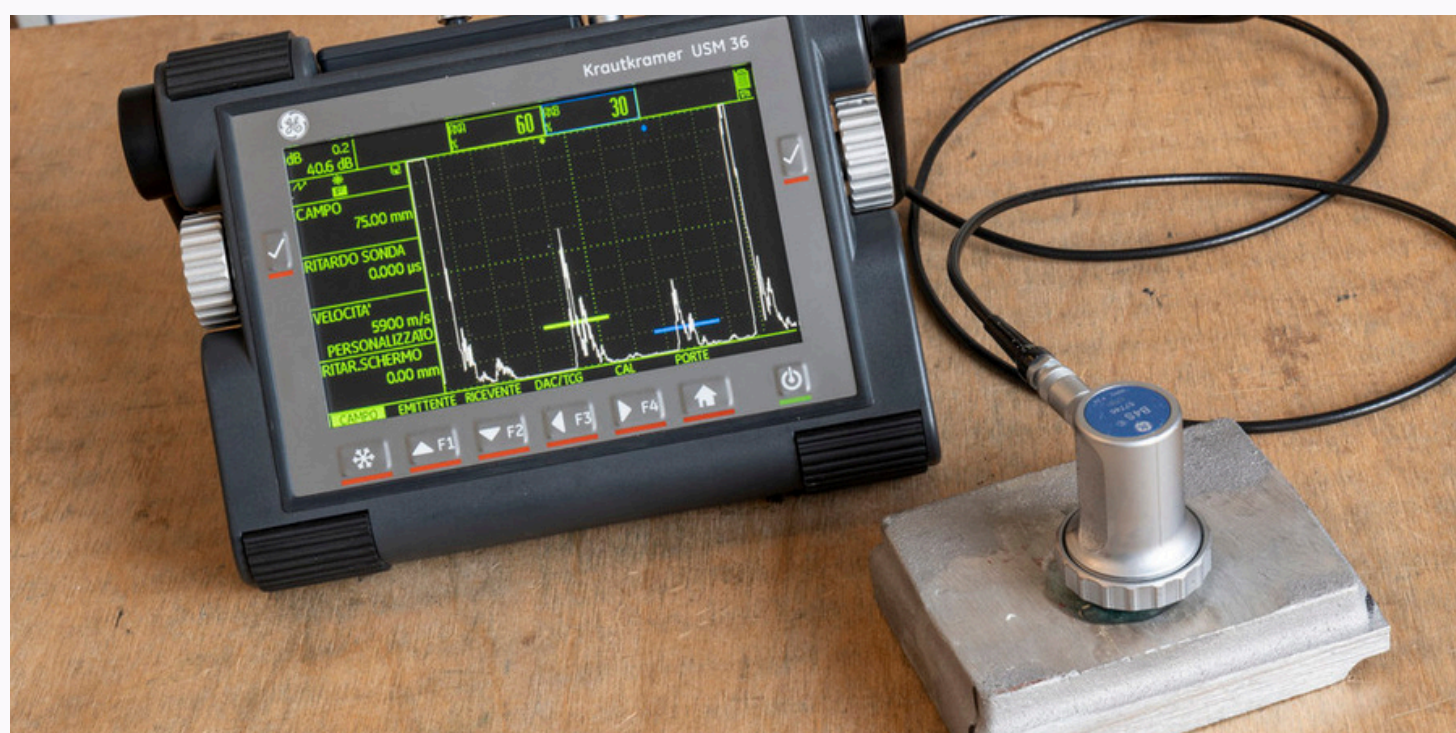


EQUIPMENTS AND TOOLS



USM36

- Applications for the USM 36 include:
- Weld inspections in the power generation and petrochemical industries
- Precise thickness measurement in the automotive industry
- Corrosion measurement in the power generation
- Inspection of forging
- Inspection of special materials



EQUIPMENTS AND TOOLS



ZBL C130

The ZBL C130 is a non-destructive testing (NDT) device specifically designed for assessing the condition of reinforced concrete structures. It measures parameters like corrosion rate, corrosion potential, offering crucial information about the health of concrete reinforcement without requiring a direct connection to the rebar.

Ø Some key features of the ZBL C130 include:

- 1.Non-Invasive and Non-Destructive:** The ZBL C130 operates wirelessly, eliminating the need for drilling into the concrete or making physical connections to the rebar.
- 2.Real-Time Data Collection:** It collects data in real-time, allowing users to generate corrosion rate maps, electrical resistivity maps, and potential contour maps for a clear view of the structure's condition.
- 3.Tablet-Based Interface:** The device includes a tablet interface for controlling the system and viewing results, making data sharing and reporting efficient.
- 4.Standards Compliance:** It complies with industry standards such as ASTM C876, ensuring reliable and standardized measurements.
- 5.User-Friendly:** The ZBL C130 is easy to operate with minimal training, making it accessible for both field professionals and new users alike.



EQUIPMENTS AND TOOLS



SCHMIDT HAMMER

Applications:

- Estimating Compressive Strength of Concrete
- Uniformity Assessment
- Monitoring Strength Development
- Evaluating Existing Structures
- Assessing Rock Strength
- Research and Development



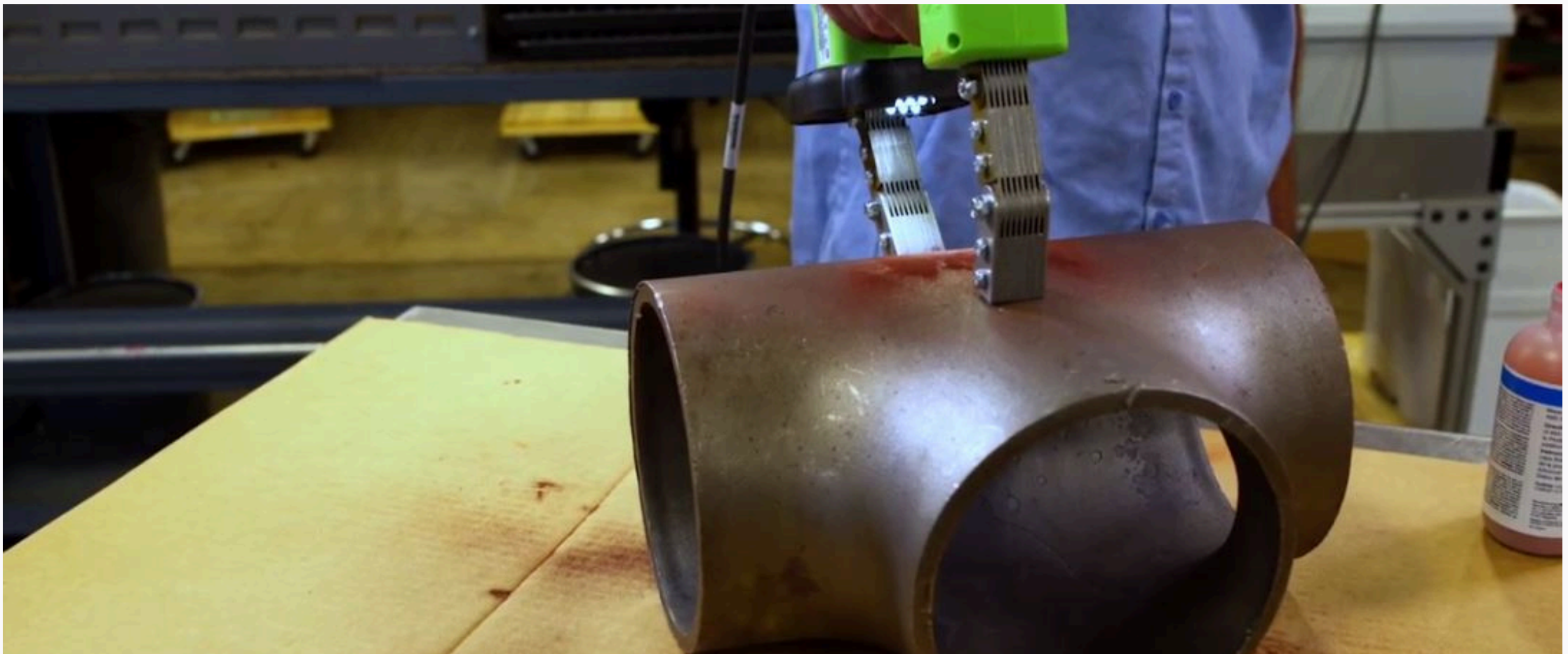
EQUIPMENTS AND TOOLS



YOKE

Applications:

- Detects a wide range of defects: Including cracks, seams, laps, and inclusions.
- Portable and Versatile: Can be used in various locations and on different shapes and sizes of components.
- Cost-Effective: A relatively inexpensive method of NDT compared to other techniques.
- Provides immediate results: No need to wait for processing or interpretation of results.



EQUIPMENTS AND TOOLS



TI450 SF6

The Fluke Ti450 SF6 is a unique tool that combines two essential functions into one compact device:

1. **Thermal Imager:** It captures clear, accurate infrared images, allowing you to visualize temperature differences and identify potential problems in electrical equipment, mechanical systems, and building structures.
2. **SF6 Gas Leak Detector:** It specifically detects leaks of sulfur hexafluoride (SF6), a potent greenhouse gas commonly used in electrical switchgear. Early detection of SF6 leaks is crucial for environmental protection and safety.



EQUIPMENTS AND TOOLS



Fluke 1623-2

The Fluke 1623-2 earth ground tester is able to perform a variety of earth ground resistance measurements, including:

- 3- and 4-pole fall-of-potential testing: This is the traditional method of measuring earth ground resistance using stakes driven into the ground at specific distances from the earth electrode under test.
- 4-pole soil resistivity testing: This measures the resistivity of the soil, which can help determine the optimal location for earth electrodes.
- Selective earth ground rod testing: This method allows you to test individual earth electrodes in a multi-grounded system without disconnecting them.
- Stakeless earth ground rod testing: This unique feature allows you to measure earth ground resistance without the need for driving stakes into the ground, making it possible to test in areas where traditional methods are not feasible, such as inside buildings or on concrete surfaces.

In addition, the Fluke 1623-2 can also measure:

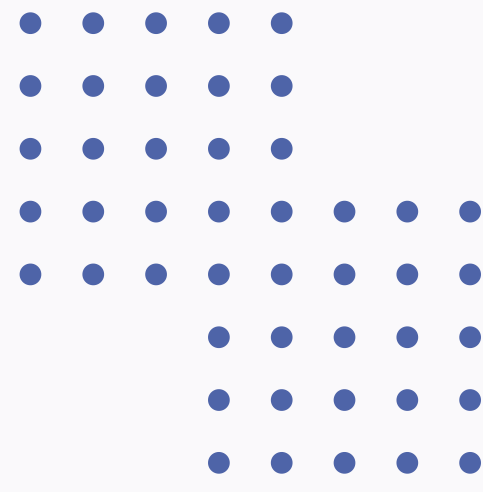
- AC voltage: This allows you to verify the presence of hazardous voltages before performing earth ground resistance tests.
- Leakage current: This can help identify potential problems with electrical equipment or wiring that could affect earth ground resistance.

Overall, the Fluke 1623-2 is a versatile and capable earth ground tester that can be used in a variety of applications.





PROJECTES

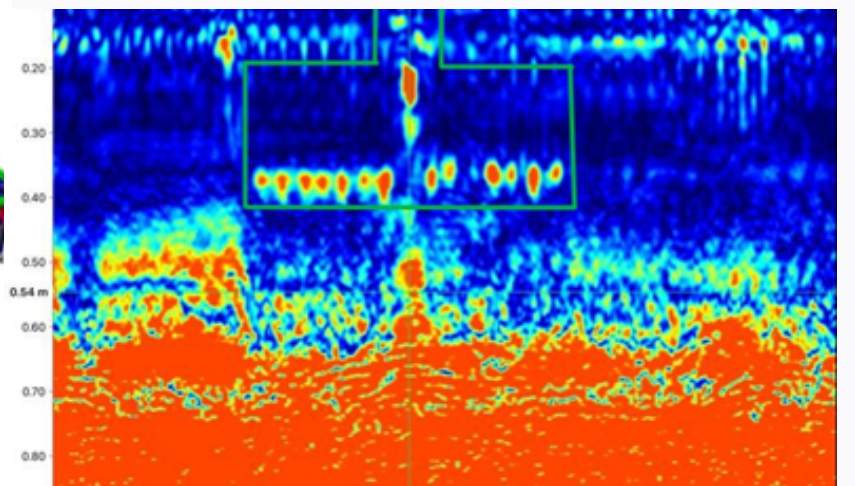
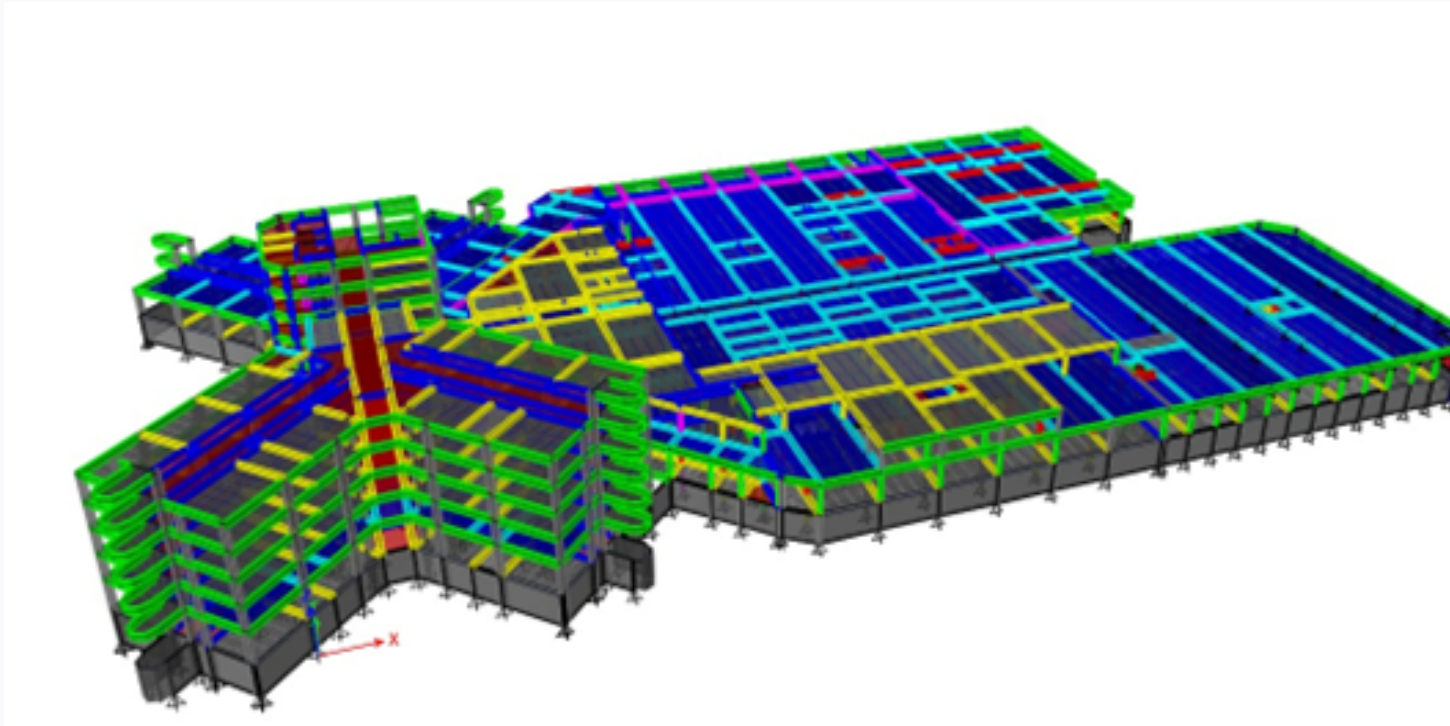


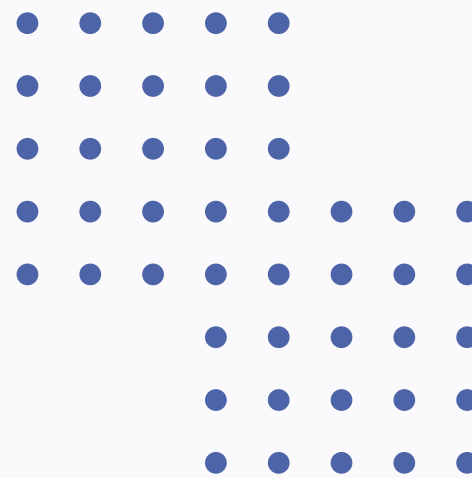
AL MADINAH HOSPITAL, AL-HOFUF



Scope of Work :

- Development of comprehensive structural drawings.
- Execution of on-site compressive strength tests for concrete.
- Evaluation of in-situ concrete durability and performance.
- Assessment of potential corrosion in embedded steel reinforcement within structural elements.
- Use of Ground Penetrating Radar (GPR) to determine foundation geometry and reinforcement configuration.
- Structural modeling using industry-standard software, including ETABS and CSI SAFE, to analyze the building's response to loads.
- Geotechnical investigation through borehole sampling at varying depths to determine soil properties.
- Identification of structural elements requiring retrofitting, along with specifying appropriate reinforcement techniques in line with safety codes and architectural design criteria.
- Assessment of the structure's remaining service life and operational performance based on concrete quality and condition.
- Preparation of bills of quantities (BOQs) and technical specifications for retrofitting works.
- Providing a detailed cost estimate for the necessary structural strengthening and reinforcement activities.





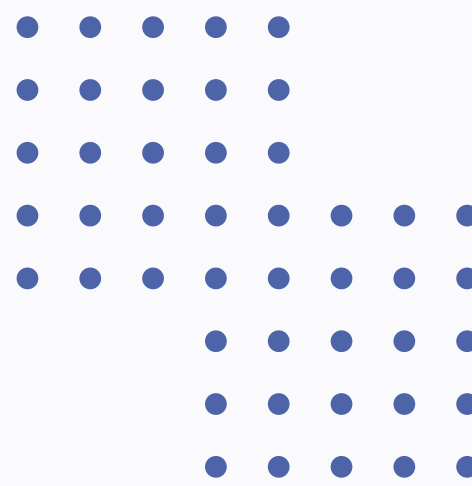
A comprehensive evaluation of concrete structures includes:

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- Strengthen a building and enhance its safety by addressing identified structural deficiencies through precise reinforcement strategies.
- Identifying areas of imperfections and distresses in the concrete structure, classifying them, and providing objective recommendations and repair strategies based on site conditions.



Saudiicon
شركة الرمز السعودي





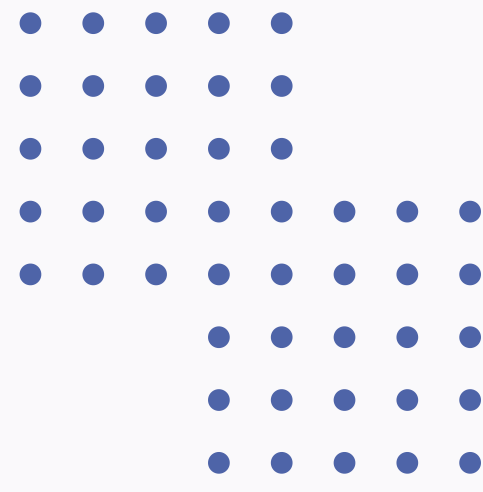
BUILDING 2, MINISTRY OF AGRICULTURE - RIYADH



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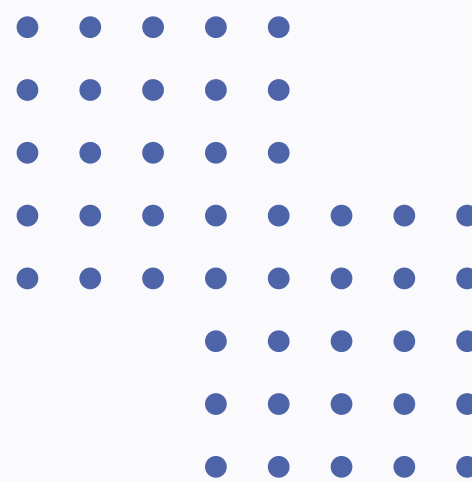


KAFD PROJECTS - RIYADH



- Locating of rebar and utility location by GPR GP8000 Scanning of concrete slab
- Locating rebar: Hitting rebar with a core drill can damage the drill bit and cause delays in the project. It can also weaken the structural integrity of the concrete. The GP8000 can accurately locate rebar, allowing you to plan coring locations that avoid it.
- Identifying other objects: The GP8000 can also identify other objects embedded in the concrete, such as conduits, post-tension cables, and voids. This can help you avoid damaging these objects during coring.
- Visualizing the concrete structure: The GP8000 provides a visual representation of the concrete structure, including the location and depth of rebar and other objects. This can help you to better understand the structure and plan your coring activities accordingly.





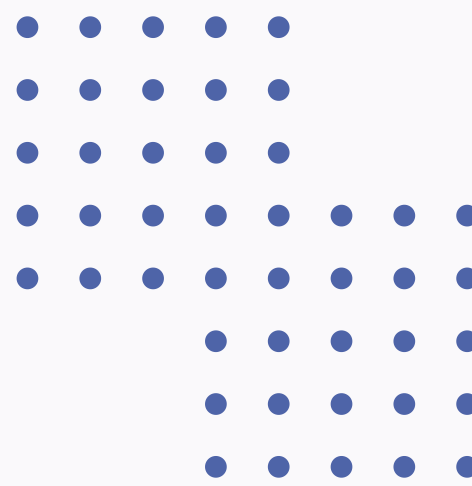
UNDERGROUND RESERVOIR PROJECT - GREEN RIYADH PARKS



A comprehensive evaluation of concrete structures includes:

- Locating of rebar location by GPR GP8000 Scanning of concrete walls
- Existing water tank walls are non-destructively analyzed using the Proceq GP8000 ground-penetrating radar (GPR). Steel reinforcement arrangement and spacing, along with concrete cover depth, are determined by this process. This information is crucial for assessing structural integrity and planning any necessary maintenance or repairs.

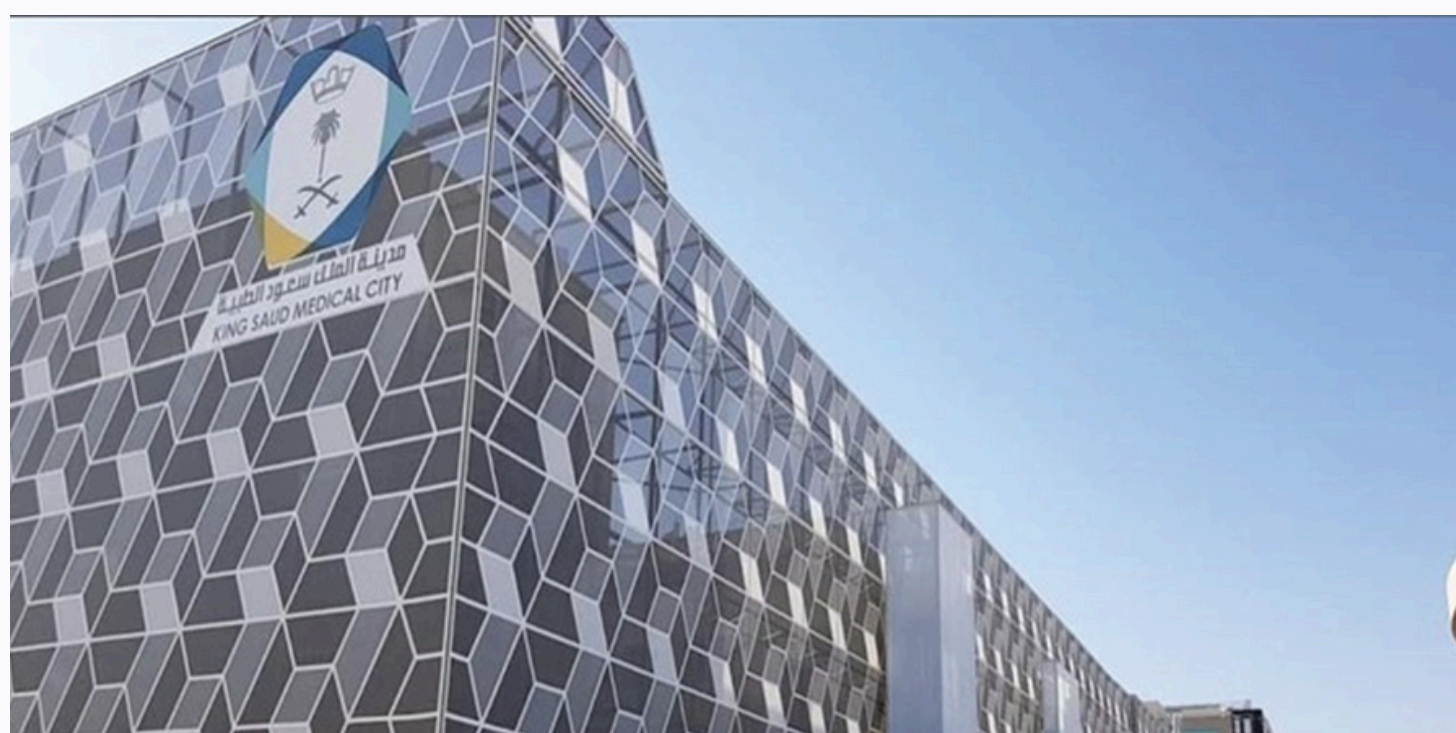


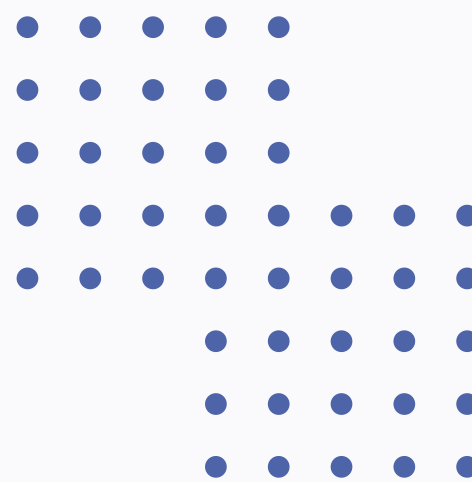


KING SAUD MEDICAL CITY



- Measuring and Obtaining Concrete Strength by Semi-Destructive and Non-Destructive Methods.
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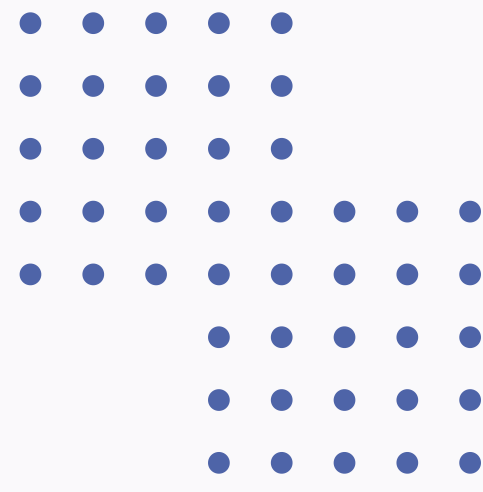
AL NAKHEEL MALL - RIYADH



A comprehensive evaluation of concrete structures includes:

- Underground utility mapping
Various subsurface features are located using the Proceq GS8000 Pro, a powerful ground- penetrating radar (GPR) system. Here's what can be found:
- Pipes: Pipes at various depths can be detected, depending on ground conditions and pipe material. Depths up to 10 meters (33 feet) are possible in ideal conditions.
- Cables: Buried electrical and telecommunication cables are located.
- Water Leaks: Leaks in buried pipes are identified by detecting changes in the soil's dielectric properties caused by water saturation.
- Voids: Underground voids like sinkholes, cavities, and gaps in soil or structures are detected.
- Damage during excavation is prevented, utility mapping is aided, and infrastructure assessment is assisted by the GS8000 Pro's ability to accurately locate these features.



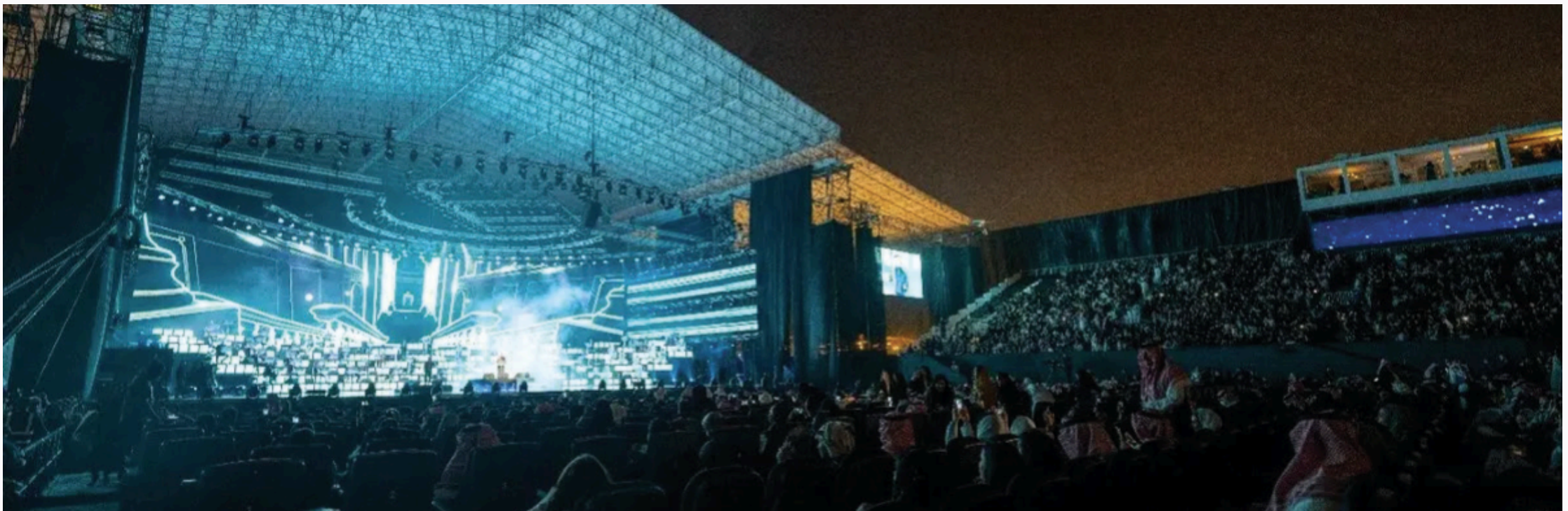
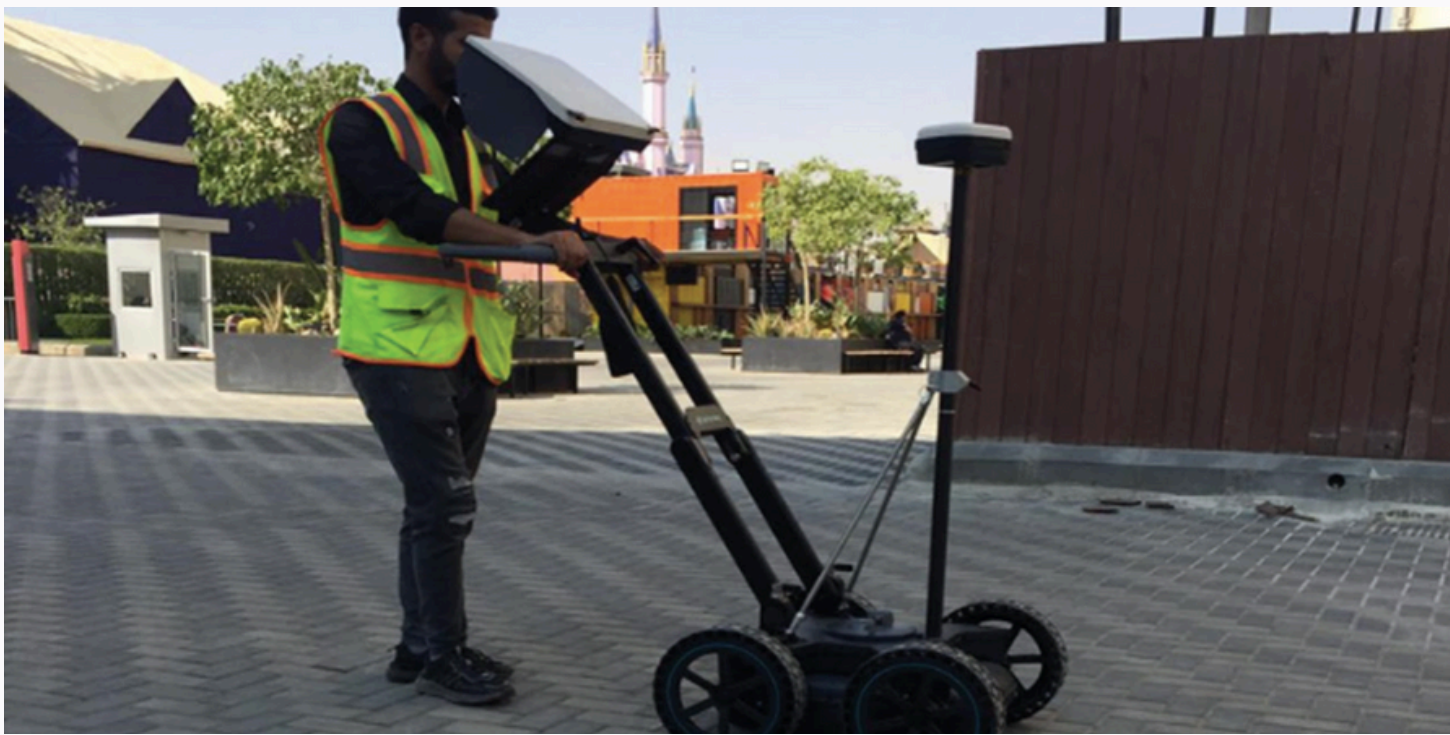


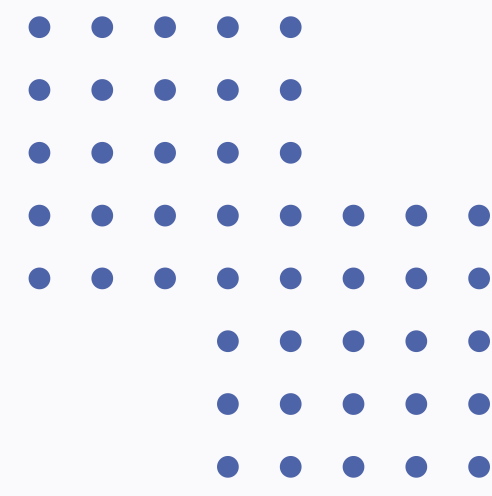
MOHAMMED ABDU THEATER - RIYADH BOULEVARD



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- Underground utility mapping
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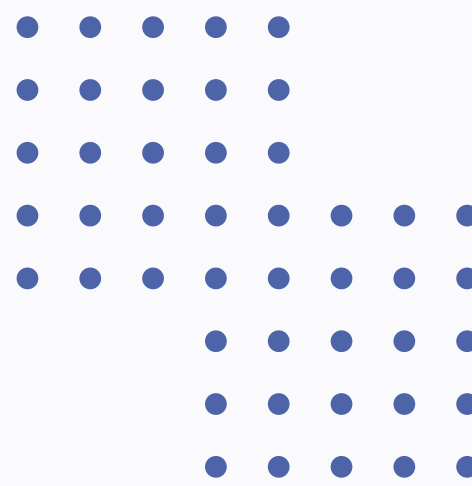
ADMINISTRATION BUILDING TOWER AL NARGIS DISTRICT - RIYADH



A comprehensive evaluation of concrete structures includes:

- A thorough visual inspection of visible elements. Core sampling from foundations, columns, and ceilings for testing.
- Conducting non-destructive tests: ultrasonic waves, Schmidt hammer, half-cell potential, and carbonation depth measurement.
- Testing for chloride and sulfate content in the concrete.
- Excavating four exploratory points for foundations and soil.
- Preparing structural drawings of the building.
- Structural analysis according to the Saudi code.
- A detailed technical report that includes restoration and strengthening plans and a cost table.





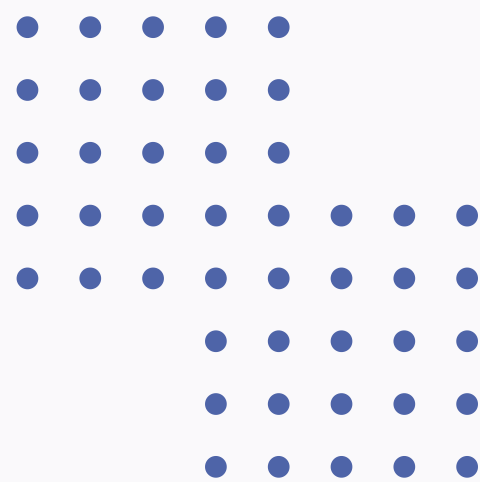
COMPREHENSIVE REHABILITATION CENTER - AL-RASS



A comprehensive evaluation of concrete structures includes:

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- Identifying areas of imperfections and distresses in the concrete structure, classifying them, and providing objective recommendations and repair strategies based on site conditions.





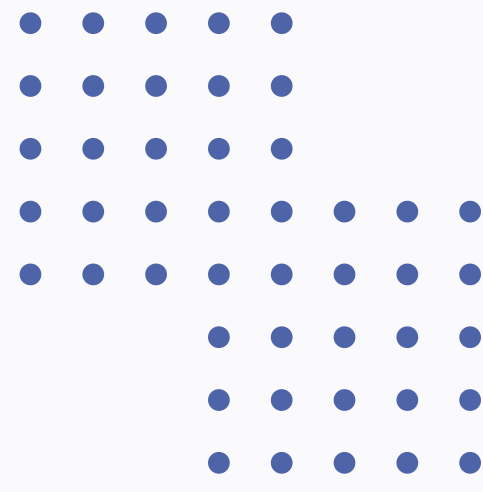
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الموارد البشرية
والتنمية الاجتماعية





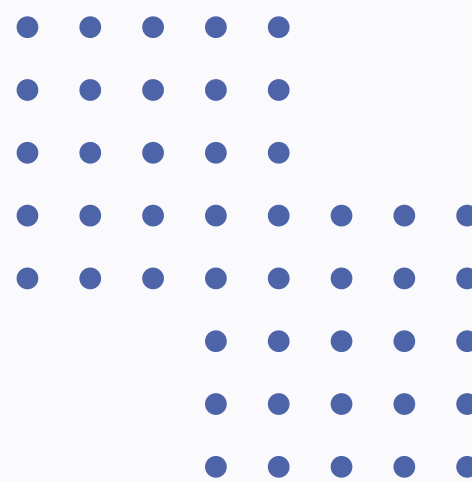
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COMPREHENSIVE REHABILITATION CENTER- YANBU



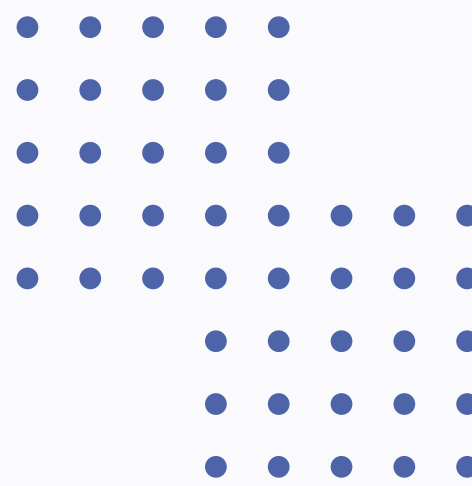
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الموارد البشرية
والتنمية الاجتماعية





COMPREHENSIVE REHABILITATION CENTER IN AL MALAZ - RIYADH

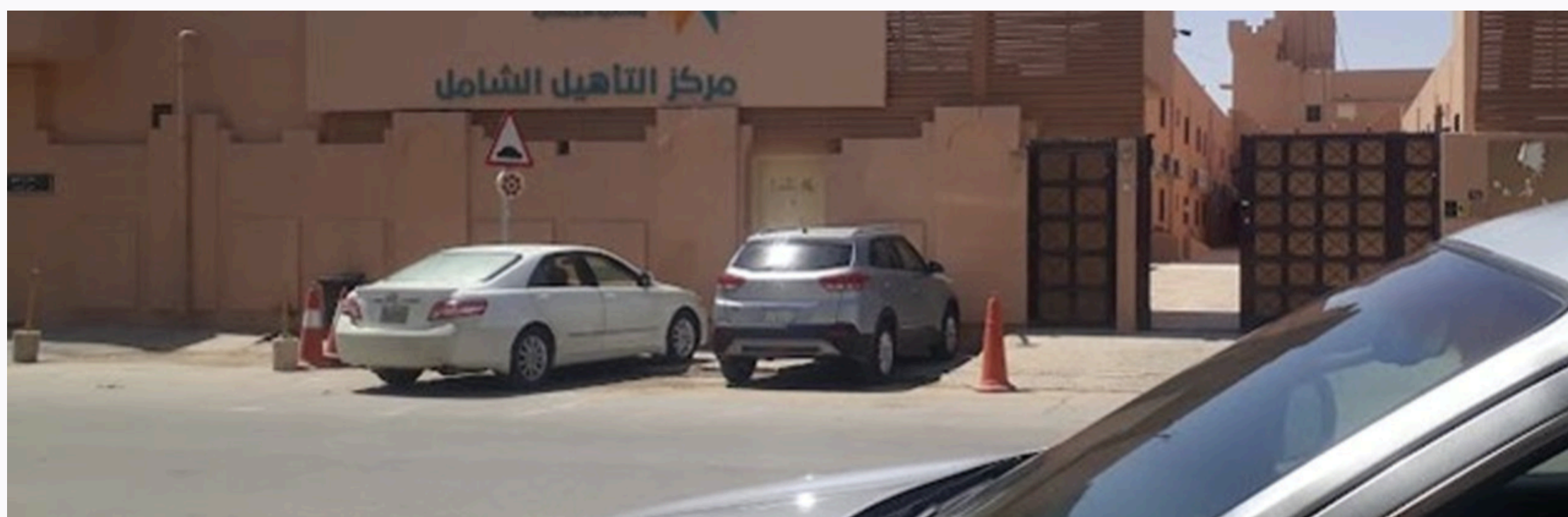


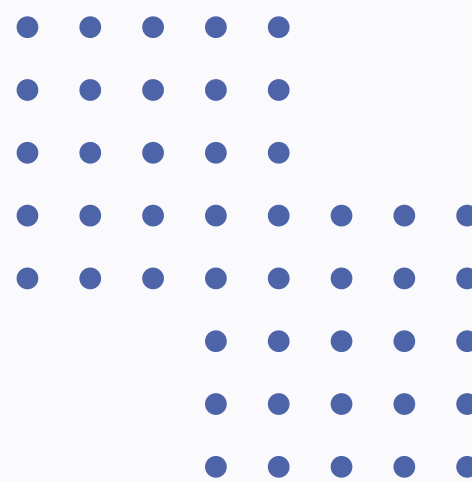
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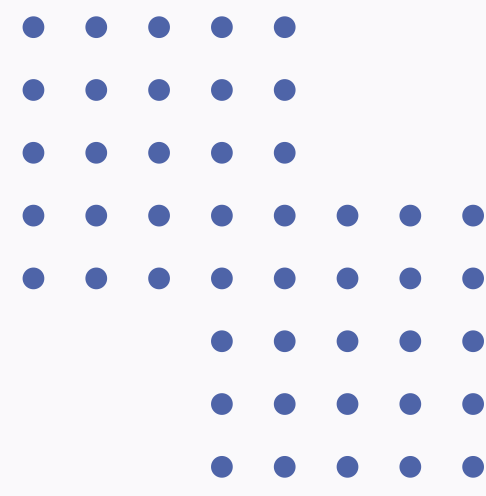
COMPREHENSIVE REHABILITATION CENTER- AL BAHA



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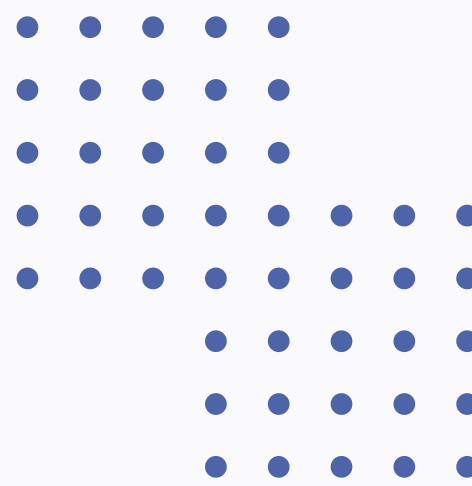
COMPREHENSIVE REHABILITATION CENTER- AL KHARJ



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COMPREHENSIVE REHABILITATION CENTER- MADINAH



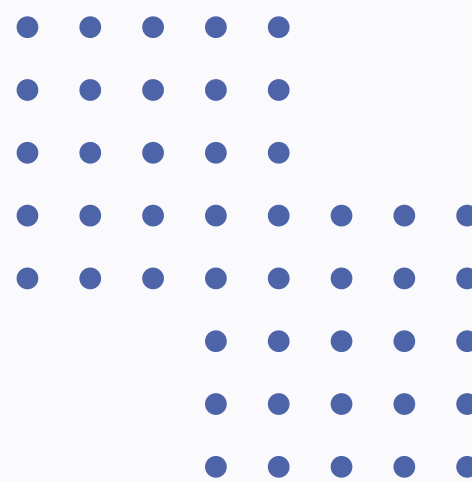
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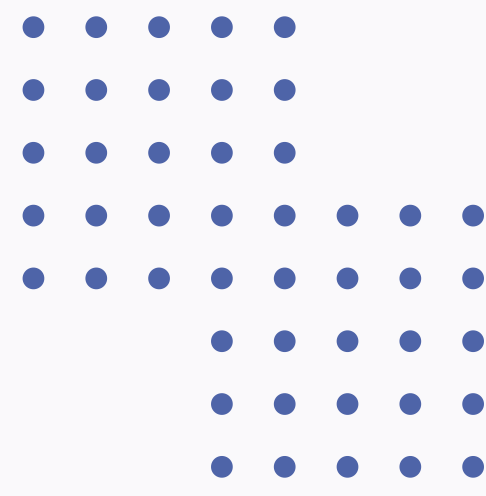


COMPREHENSIVE REHABILITATION CENTER- HAIL



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COMPREHENSIVE REHABILITATION CENTER - ARAR

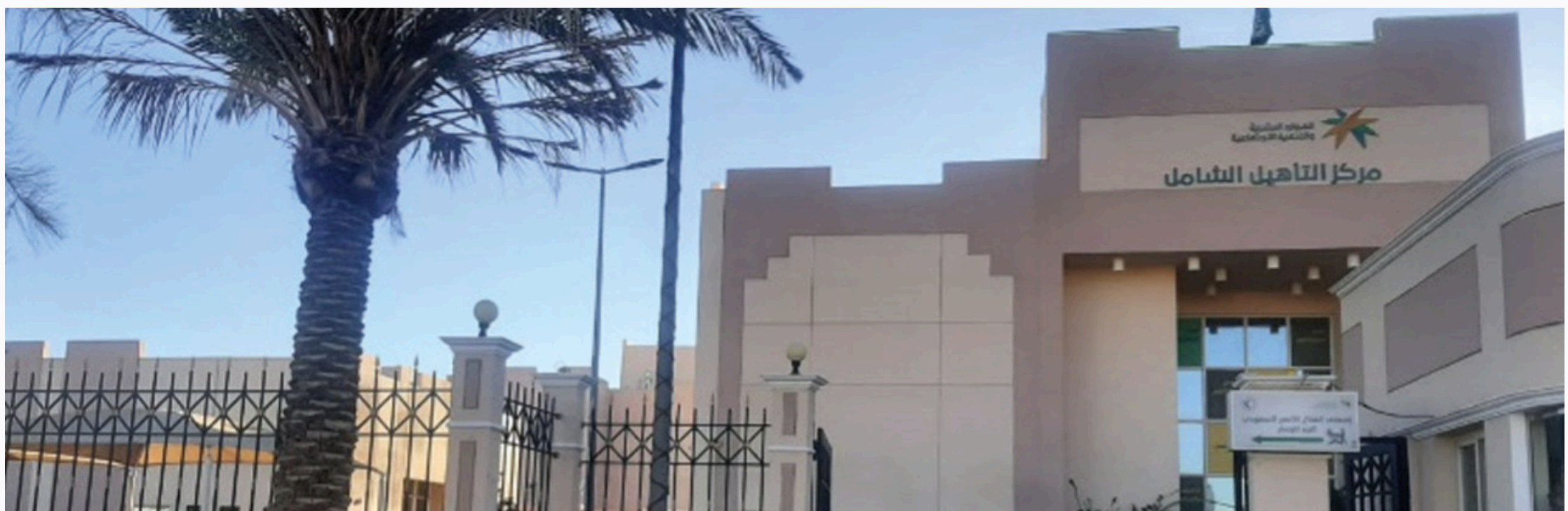


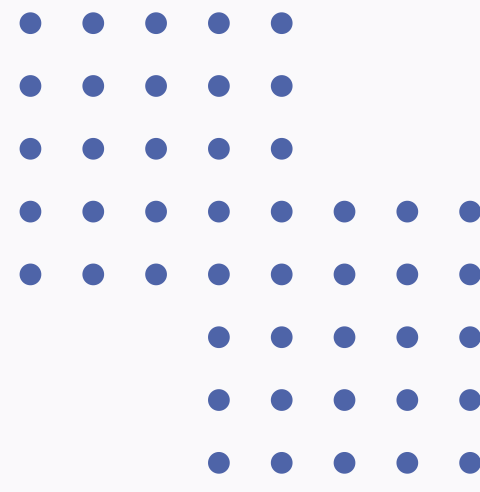
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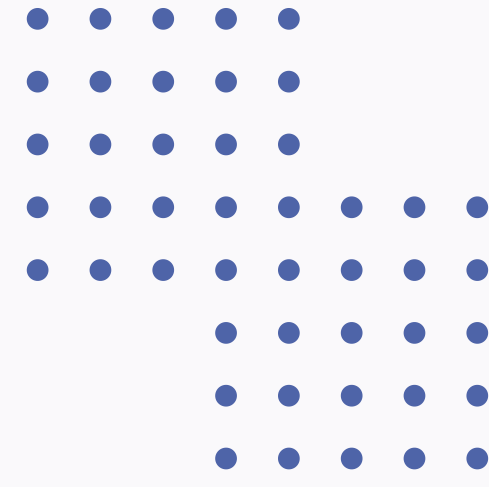
THE NEW EAST PROJECT EASTERN RING ROADAI MUGHRIZAT DIST. RIYADH



A comprehensive evaluation of concrete structures includes:

- Detection of voids in the concrete columns Voids within concrete columns are detected using ultrasound pulse velocity (UPV) testing, a non-destructive method. The speed at which sound waves travel through the concrete is measured.
- Here's how voids are detected:
 - Sound wave speed: Sound waves travel faster through solid concrete than through air. When a void is encountered, their speed changes.
 - Analysis: Areas where the speed is slower, indicating the presence of voids, are identified by technicians analyzing the time it takes for the sound waves to travel through the column.
 - The integrity of concrete columns is assessed with UPV testing, a valuable tool, as voids can weaken the structure and compromise its safety.





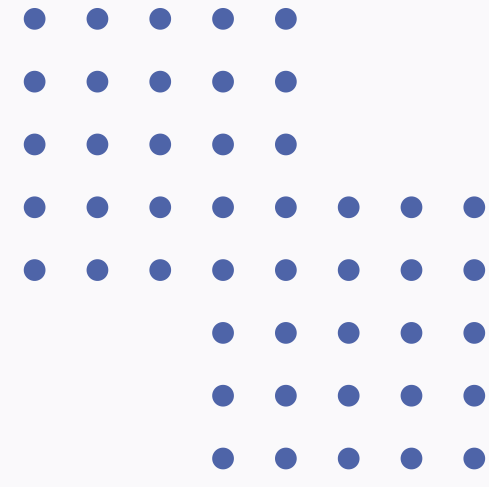
PROJECT FOR COMPLETION OF THE MODEL WAREHOUSE FOR PLANT HEALTH PESTICIDES IN KHULAIS, MAKKAH



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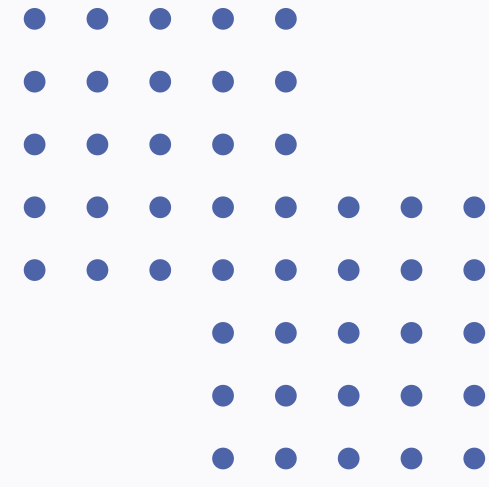
STRUCTURAL ASSESSMENT OF AN ADMINISTRATIVE BUILDING COMPLEX IN AL NARGIS DISTRICT - RIYADH



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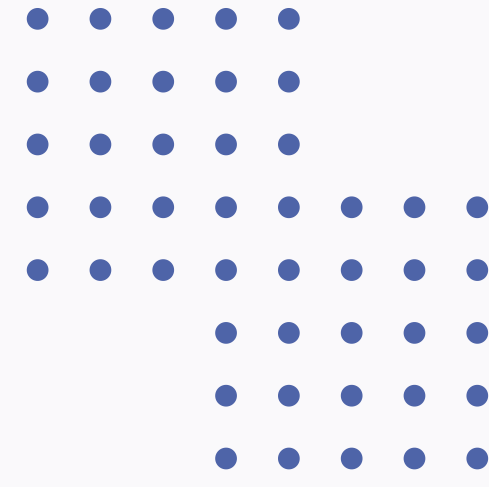
STRUCTURAL ASSESSMENT OF AN EXISTING BUILDING IN AL NAHDA DISTRICT, RIYADH



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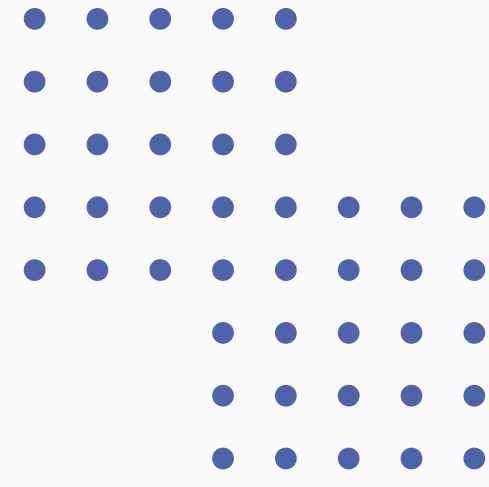
STRUCTURAL ASSESSMENT OF AN EXISTING VILLA IN HATTEEN DISTRICT, RIYADH



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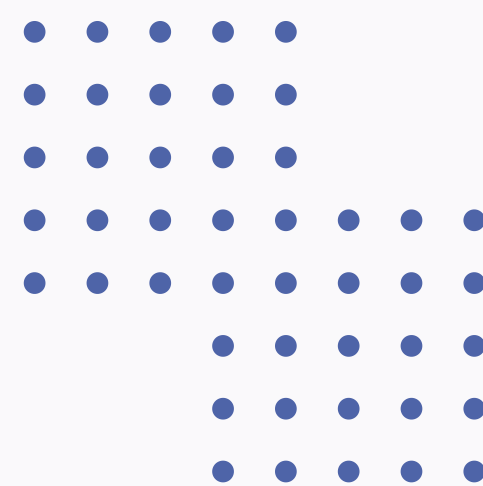
JABAL AL QARYAN CULTURAL DISTRICT D6 DIRIYAH GATE PROJECT



Scope of Work:

- Fawasil's responsibility was to detect voids in three specific concrete beams located at the axes:
- (36/37 – C1)
- (37/38 – C1)
- (37 – C1/D1)
- This was done at the Jabal Al Qaryan Cultural District D6 Diriyah Gate Project using Ground Penetrating Radar (GPR) equipment, specifically the Proceq GP8000. The objective was to identify any existing voids within these beams, scan them, and visualize the findings in 2D and 3D models.





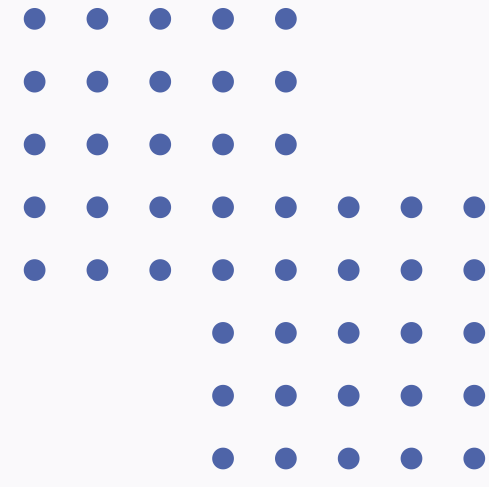
INSTITUTE OF CONSULTING & BUSINESS SOLUTIONS (SEIZE), RIYADH



Scope of Work:

- Conducting a visual inspection of the building's structural elements, including columns, beams, slabs, stairs, walls, and footings, to assess their current condition.
- Collecting concrete core samples to evaluate the physical and mechanical properties of the existing concrete.
- Performing non-destructive ultrasonic pulse velocity tests to examine homogeneity and detect internal defects in the concrete.
- Preparing structural as-built drawings for the building, covering the columns, beams, and slabs.
- Investigating foundation soil conditions by drilling boreholes to assess the soil properties.
- Carrying out a structural analysis of the building based on the collected data and the existing structure.
- Designing the strengthening measures for the unsafe structural elements identified during the analysis, such as columns and footings.





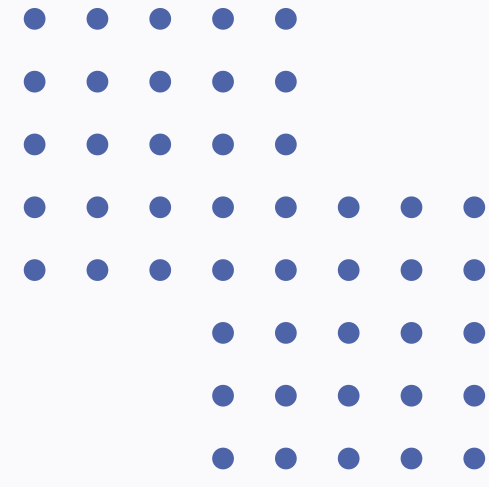
ADMINISTRATION TOWER BUILDING, AL MOATHER, AL OLAYA, RIYADH



Scope of Work:

- Prepare detailed structural drawings and conduct on-site compressive strength testing of concrete to ensure load-bearing capacity.
- Assess in-situ concrete durability and inspect for corrosion in steel reinforcement using non-destructive testing.
- Investigate water leakage causes and provide prevention strategies.
- Use Ground Penetrating Radar (GPR) to map foundation dimensions and reinforcement layout.
- Perform structural modeling using ETABS and CSI SAFE and conduct geotechnical assessments through borehole sampling.
- Identify components requiring reinforcement, ensuring compliance with safety standards.
- Estimate the building's service life based on material testing and prepare technical specifications for retrofitting works.
- Provide cost estimates for reinforcement activities and perform tensile strength tests on steel.





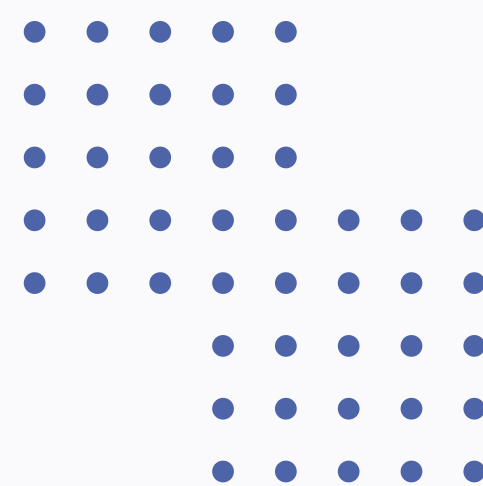
BUILDING NO. 11, MINISTRY OF FINANCE, EXIT 9, RIYADH



Scope of Work:

- Preparation of detailed structural drawings.
- Conducting on-site compressive strength testing concrete to evaluate its load-bearing capacity.
- Assessment of in-situ concrete durability, including resistance to environmental factors and long-term performance.
- Inspection for corrosion in embedded steel reinforcement using non-destructive testing methods to ensure the integrity of structural elements.
- Utilizing Ground Penetrating Radar (GPR) to accurately identify foundation dimensions and the arrangement of reinforcement.
- Structural analysis and modeling using advanced software tools like ETABS and CSI SAFE, focusing on the building's response to imposed loads.
- Performing geotechnical assessments through borehole sampling at various depths to determine soil characteristics and their influence on foundation stability.



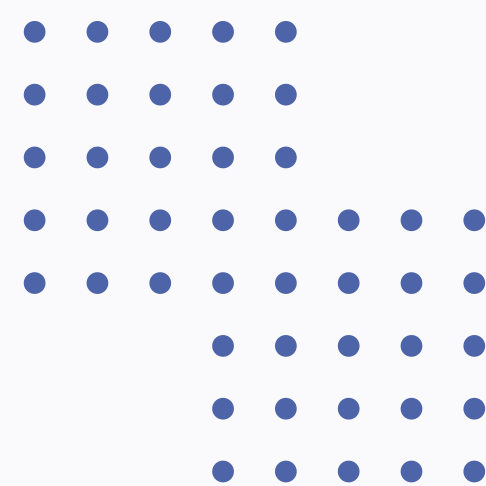


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we're dedicated to providing exceptional services that exceed your expectations. Our team of experts is committed to understanding your unique needs and delivering tailored solutions that drive your success. With a focus on quality, innovation, and customer satisfaction





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About SUPER TEAM

Our team is comprised of highly skilled professionals dedicated to providing innovative solutions tailored to our clients' specific needs.

ORGANIZATION & MANAGEMENT



Mohammed Ayad
Lab Manger



Mossa Afana
Consultant

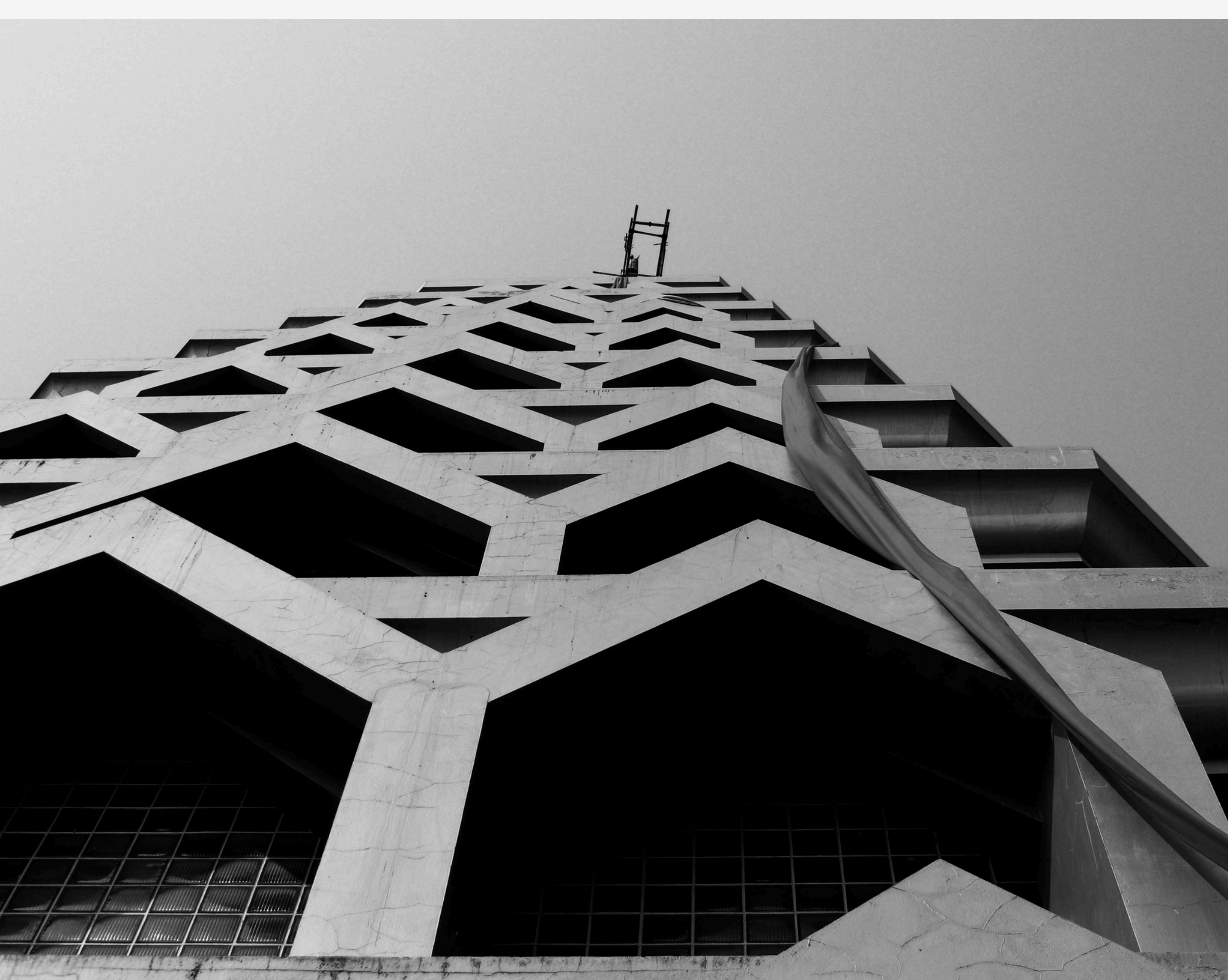


Ragab Youssef
Q.C Engineer



Saad Yunus
Technical office





THANK YOU
**WE APPRECIATE YOUR INTEREST IN OUR
COMPANY AND ITS MISSION.**

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