



COMPANY PROFILE

INTEGRATED EXPERTISE. UNIFIED DELIVERY



WHO WE ARE

DRAB Engineering Consultants is a multidisciplinary engineering consultancy delivering integrated solutions across architectural, geotechnical, structural, MEP, project management, contracts, and construction advisory services. Our collaborative approach enables seamless coordination between disciplines, ensuring efficient project delivery from concept through completion.

We are among the first firms in Jordan to bring these core engineering and project delivery disciplines together under a single coordinated platform, reducing interface risks, enhancing stakeholder collaboration, and improving project outcomes.

Officially established in 2025, DRAB builds upon a foundation of regional experience dating back to 2011. We are committed to delivering practical, innovative, and value-driven solutions that meet the highest standards of quality, performance, and client satisfaction throughout the project lifecycle.

15+

Years Of Experience

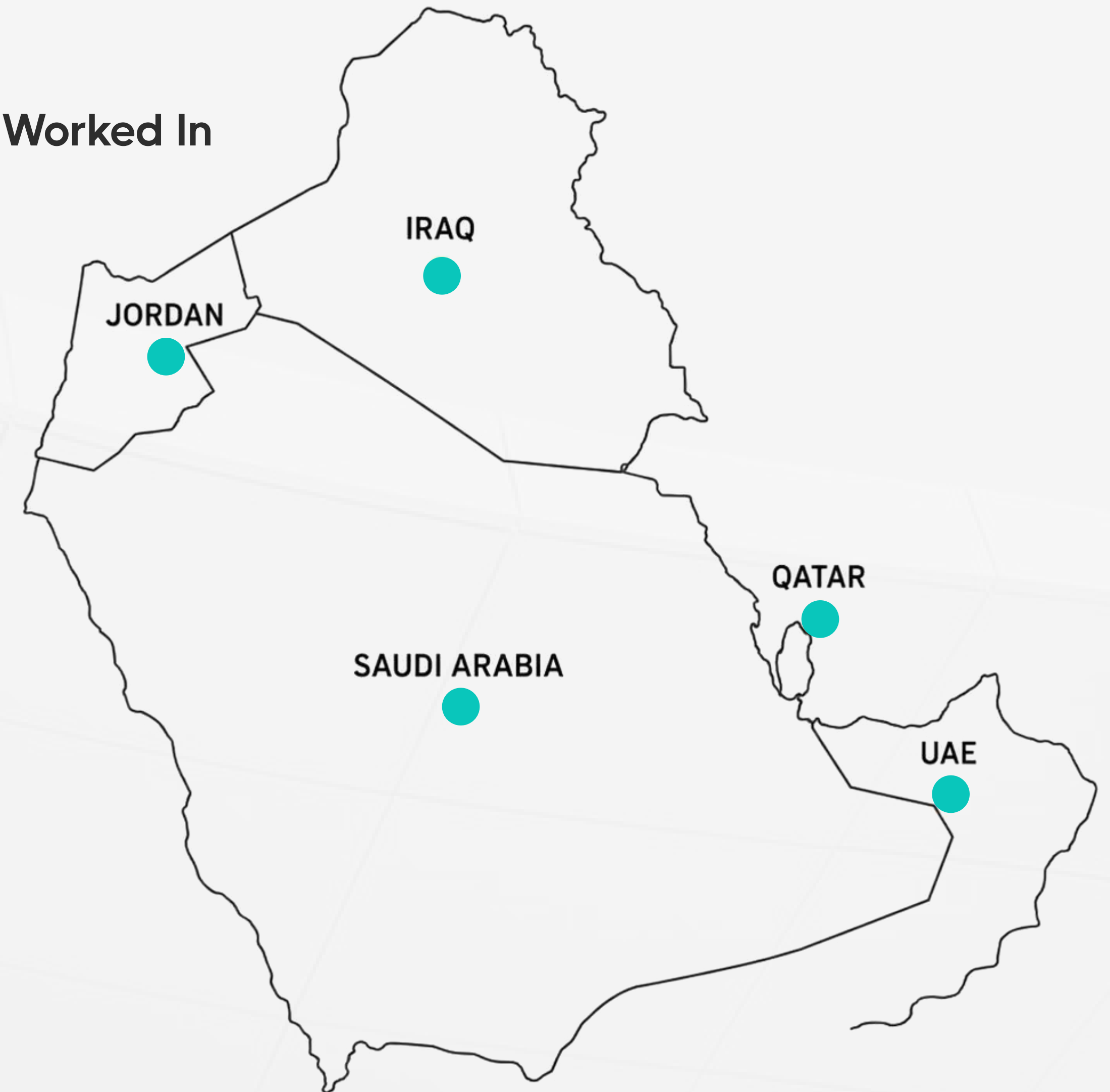
20+

Projects Completed

5

Disciplines

Worked In



OUR VISION

To establish a new standard for integrated engineering consultancy in the region, where geotechnical insight, multidisciplinary design, and project delivery are seamlessly combined as a single solution rather than treated as separate services.





OUR MISSION

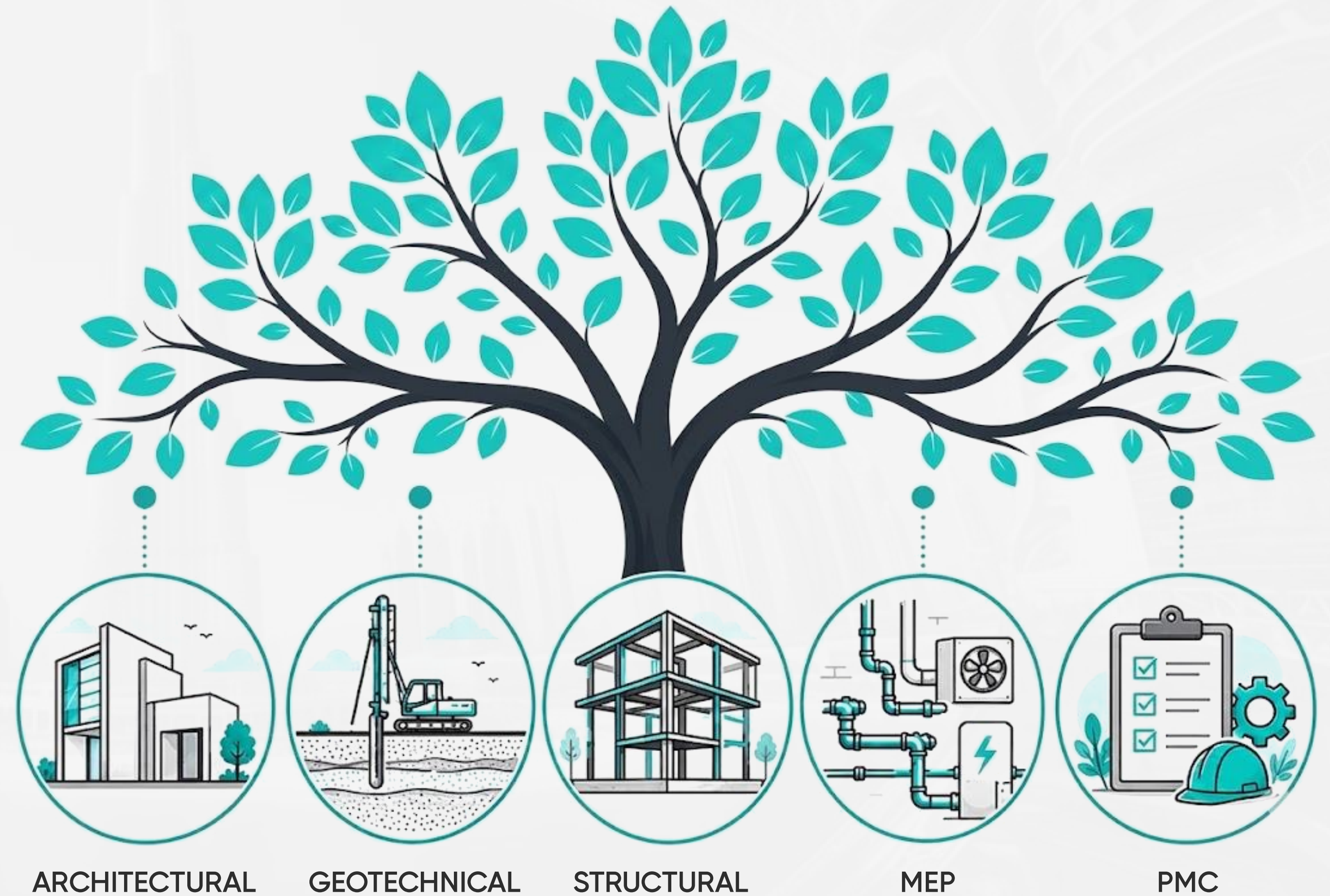
We work in partnership with our clients from concept to completion, combining engineering expertise with practical project experience to solve complex challenges, reduce uncertainty, and enable successful project delivery.

OUR SERVICES

Unlike traditional consultancy models that treat disciplines as separate entities, DRAB integrates the following services into a single coordinated engineering process.

- Architectural
- Geotechnical
- Structural
- MEP
- PMC

This integrated delivery model minimizes interface gaps, improves design coordination, and enhances overall project efficiency from concept through to completion.



ARCHITECTURAL DESIGN

DRAB delivers modern architectural solutions focused on functionality, spatial planning, aesthetics, and seamless integration with structural, MEP, and geotechnical disciplines.



Our architectural team develops practical, innovative, and sustainable design solutions tailored to each project's functional, operational, and aesthetic requirements. Through close coordination with all engineering disciplines, we ensure efficient, buildable, and future-ready developments.

- **Concept Design & Master Planning**

Development of design concepts, site layouts, and project vision aligned with client objectives.

- **Schematic & Detailed Design**

Preparation of architectural drawings, design development packages, and construction documentation.

- **Space Planning & Functional Design**

Optimization of layouts to maximize efficiency, user experience, and operational performance.

- **Building Permit & Authority Approvals**

Preparation of submission packages and coordination with relevant authorities.

- **BIM & Multidisciplinary Coordination**

Integration and coordination of architectural, structural, MEP, and geotechnical requirements.

- **Interior Architecture & Finishes**

Selection and specification of materials, finishes, and interior design elements.

- **Construction Documentation**

Preparation of technical drawings, schedules, specifications, and tender documents.

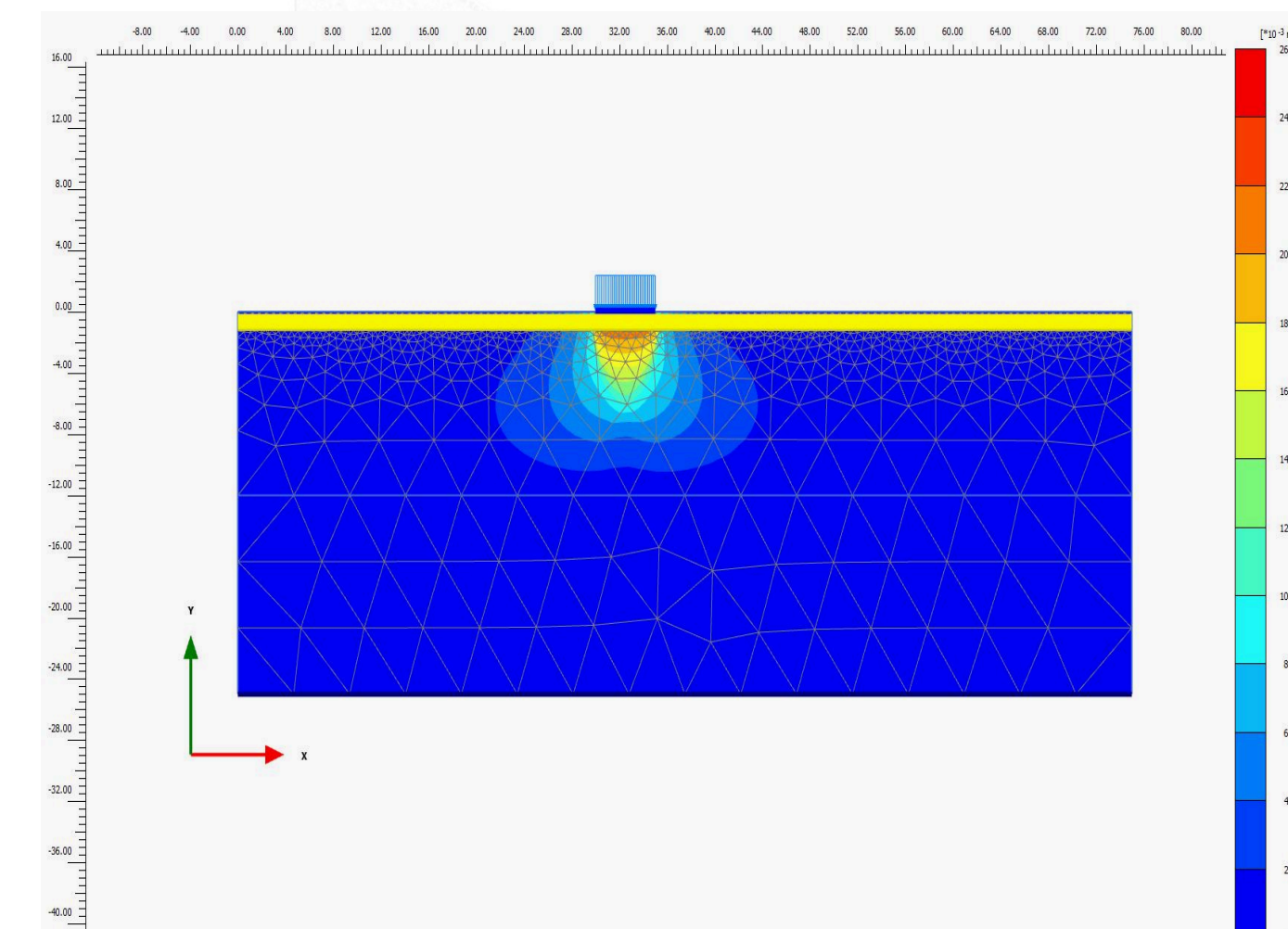
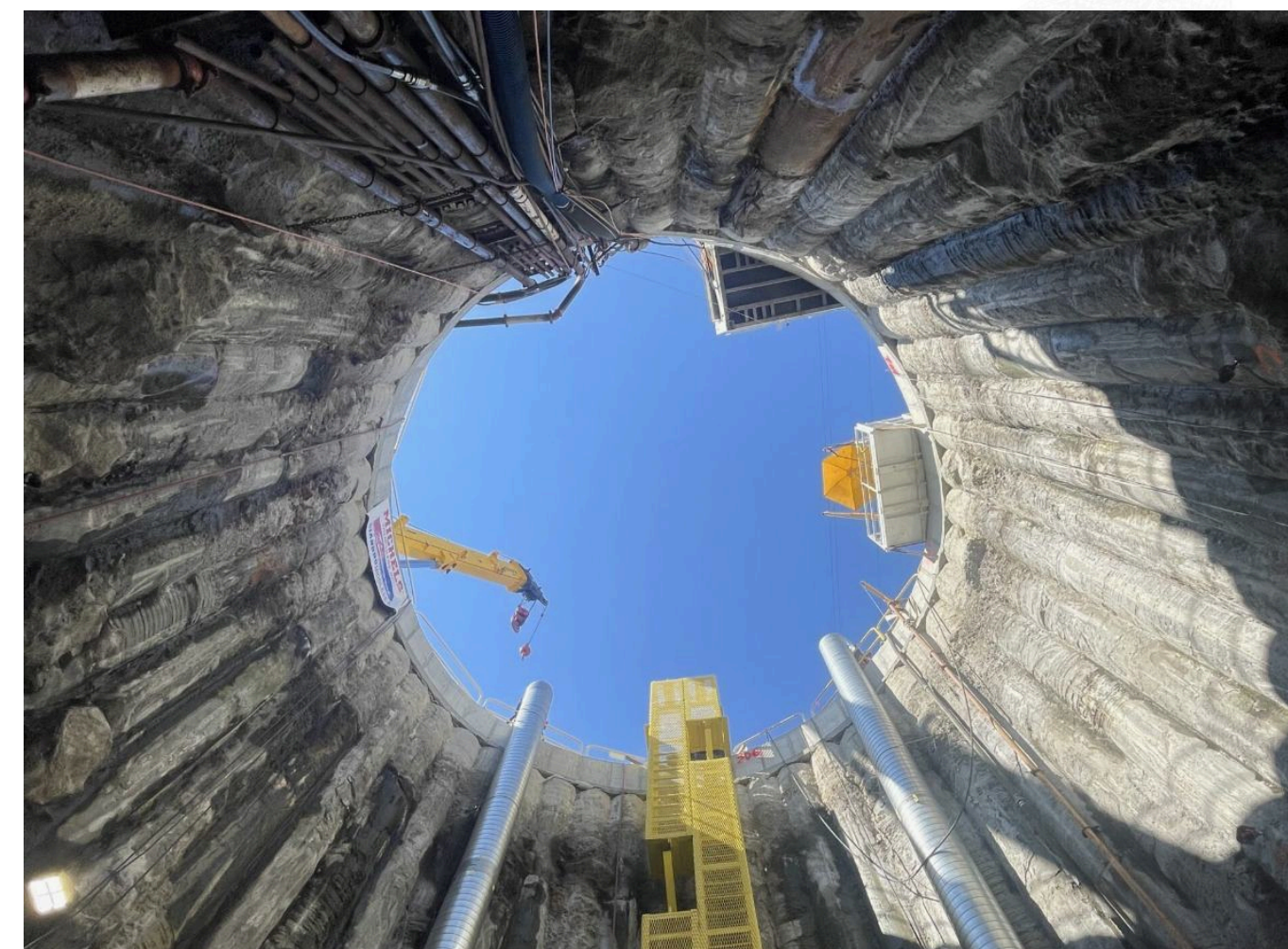
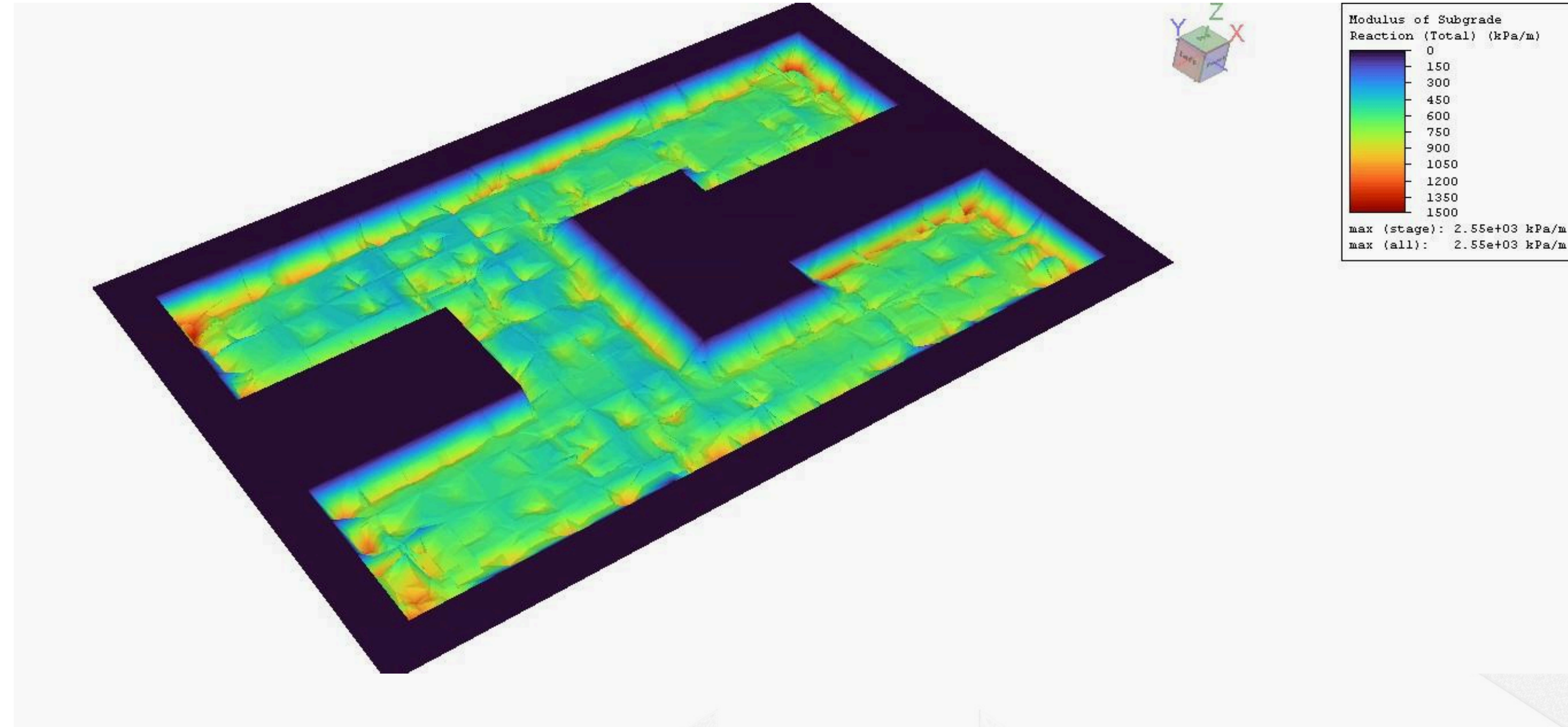
- **Design Review & Site Support**

Technical support during construction, design clarification, and review of shop drawings and material submittals.



GEOTECHNICAL DESIGN

Deep and shallow foundation design, soil analysis, excavation support, retaining systems, and ground stability solutions engineered for safe and efficient construction.



DRAB provides specialized geotechnical engineering solutions that support safe, economical, and constructible developments. Our expertise spans foundation systems, excavation support, ground improvement, and soil-structure interaction, ensuring geotechnical considerations are fully integrated into overall project design and delivery.

- **Geotechnical Design & Assessment**

Interpretation of subsurface conditions and development of design parameters for engineering applications.

- **Foundation Engineering**

Design of shallow foundations, rafts, piles, and deep foundation systems, including subgrade reaction analysis for raft and mat foundations to evaluate soil-structure interaction and predict settlement and load distribution behavior.

- **Excavation & Shoring Systems**

Design of temporary and permanent excavation support systems, including soil nailing, soldier piles, anchors, and braced excavations.

- **Retaining Structures**

Design of retaining walls, reinforced soil systems, gabions, and earth retention solutions.

- **Slope Stability & Ground Assessment**

Evaluation of natural and engineered slopes, stability analysis, and remediation recommendations.

- **Ground Improvement Solutions**

Assessment and design of ground improvement techniques to enhance bearing capacity, reduce settlement, and improve overall soil performance.

- **Soil-Structure Interaction**

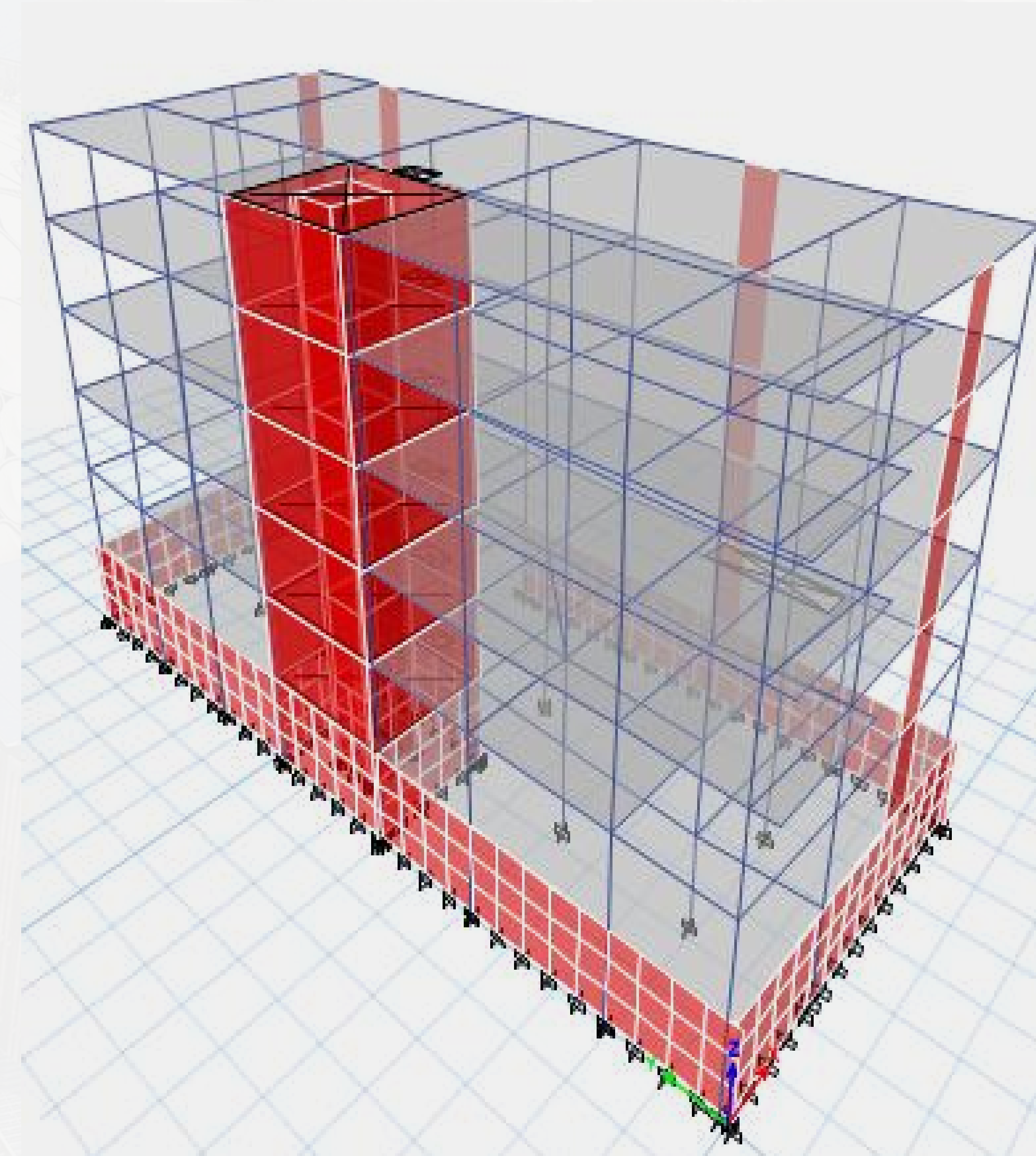
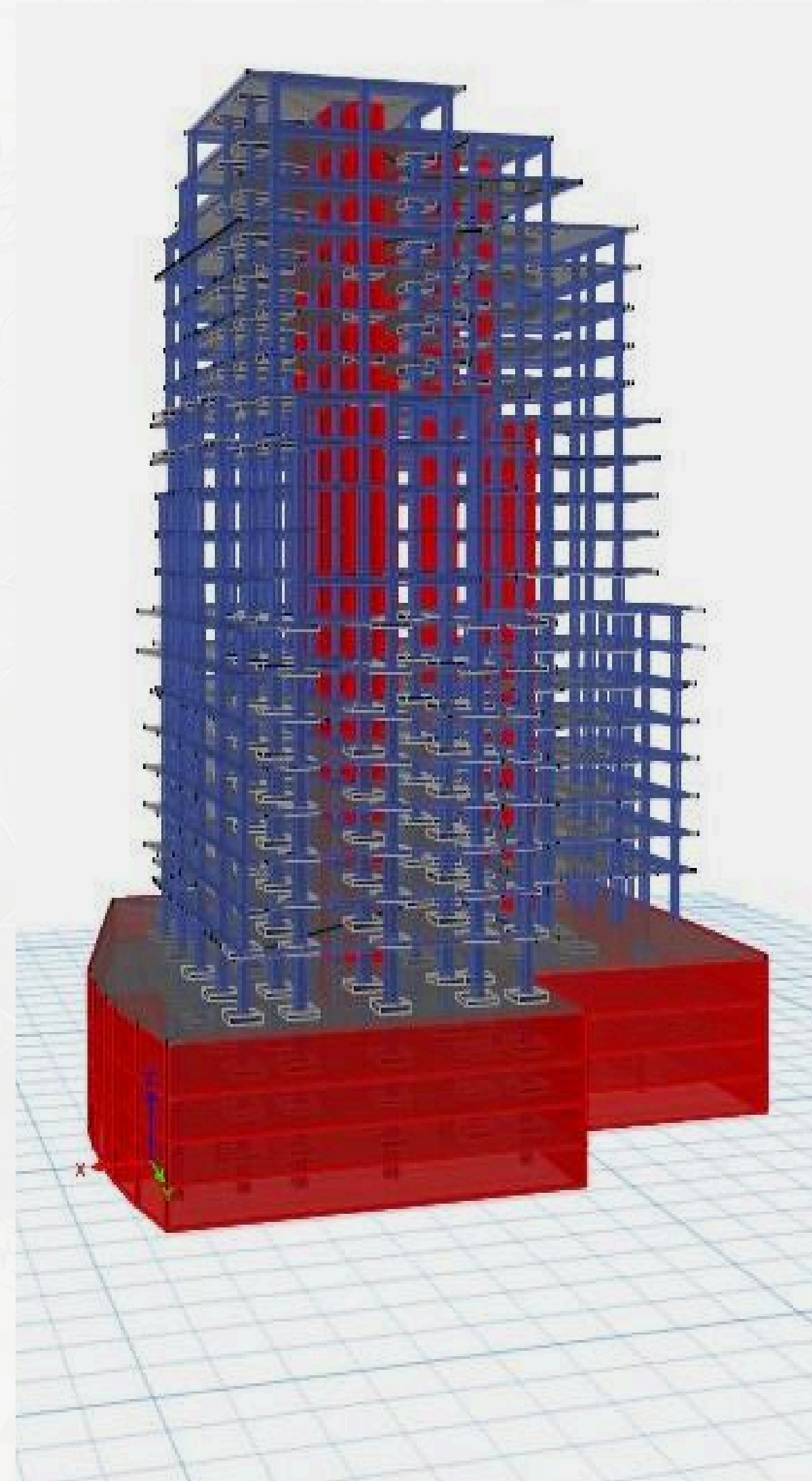
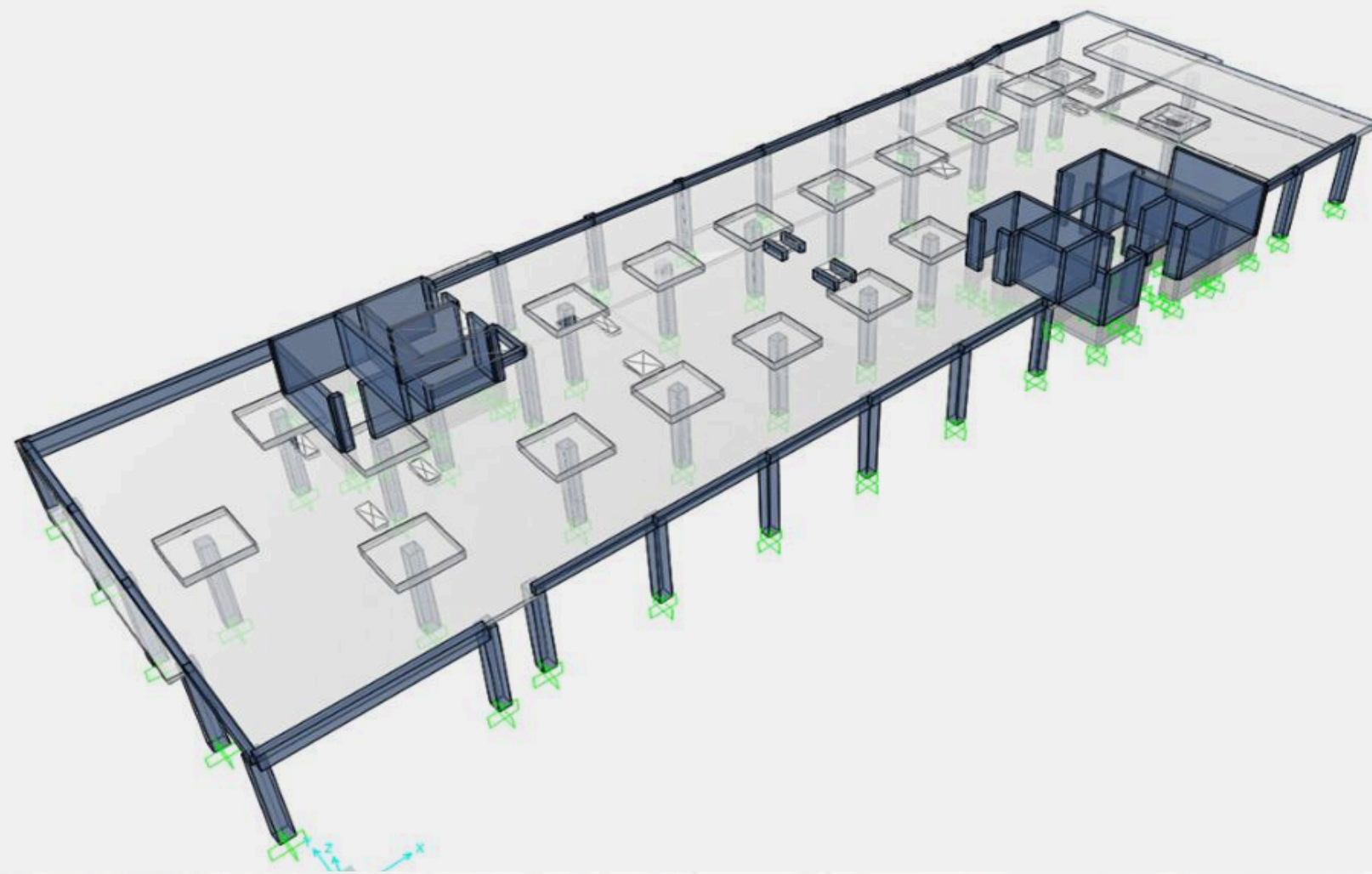
Analysis of foundation behavior, settlements, earth pressures, and structural-geotechnical interface performance.

- **Construction Supervision & Technical Support**

Supervision of geotechnical works, review of site investigations, verification of construction compliance, monitoring of geotechnical performance, and technical support throughout project execution.

STRUCTURAL DESIGN

Performance-driven structural systems designed for strength, durability, constructability, and long-term efficiency across residential, commercial, and mixed-use developments.



DRAB delivers efficient, reliable, and cost-effective structural solutions tailored to project requirements and construction constraints. Our designs prioritize safety, durability, constructability, and coordination with architectural, MEP, and geotechnical disciplines to achieve optimal project outcomes.

- **Structural Analysis & Design**

Design of reinforced concrete, structural steel, and composite structural systems.

- **Building Structures**

Structural design for residential, commercial, industrial, hospitality, healthcare, and mixed-use developments.

- **Foundation Coordination**

Integration of structural and geotechnical requirements for shallow and deep foundation systems.

- **Retaining Structures**

Design of retaining walls, reinforced soil systems, gabions, and earth retention solutions.

- **Slope Stability & Ground Assessment**

Evaluation of natural and engineered slopes, stability analysis, and remediation recommendations.

- **Ground Improvement Solutions**

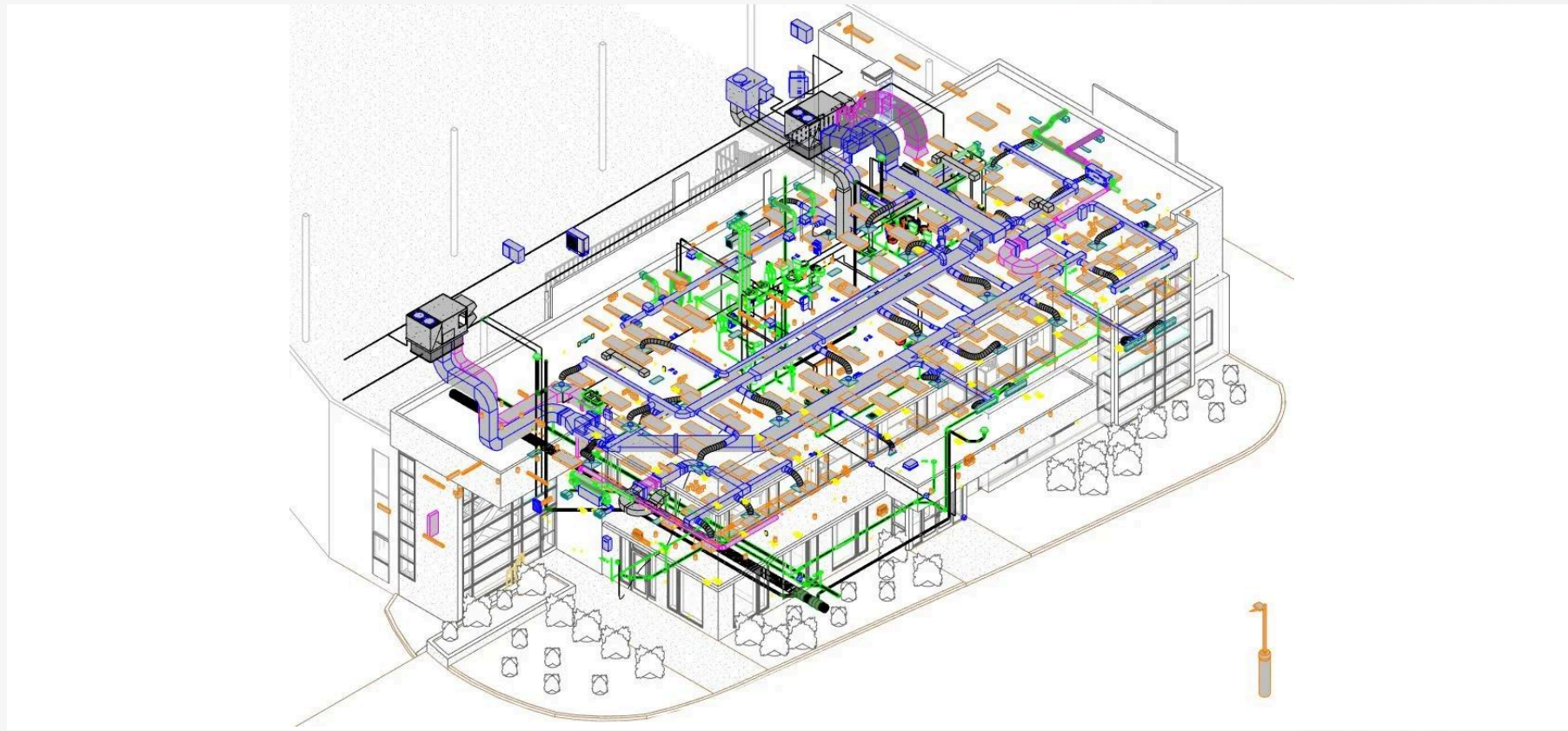
Assessment and design of ground enhancement techniques to improve bearing capacity and reduce settlement.

- **Soil-Structure Interaction**

Analysis of foundation behavior, settlements, earth pressures, and structural-geotechnical interface performance.

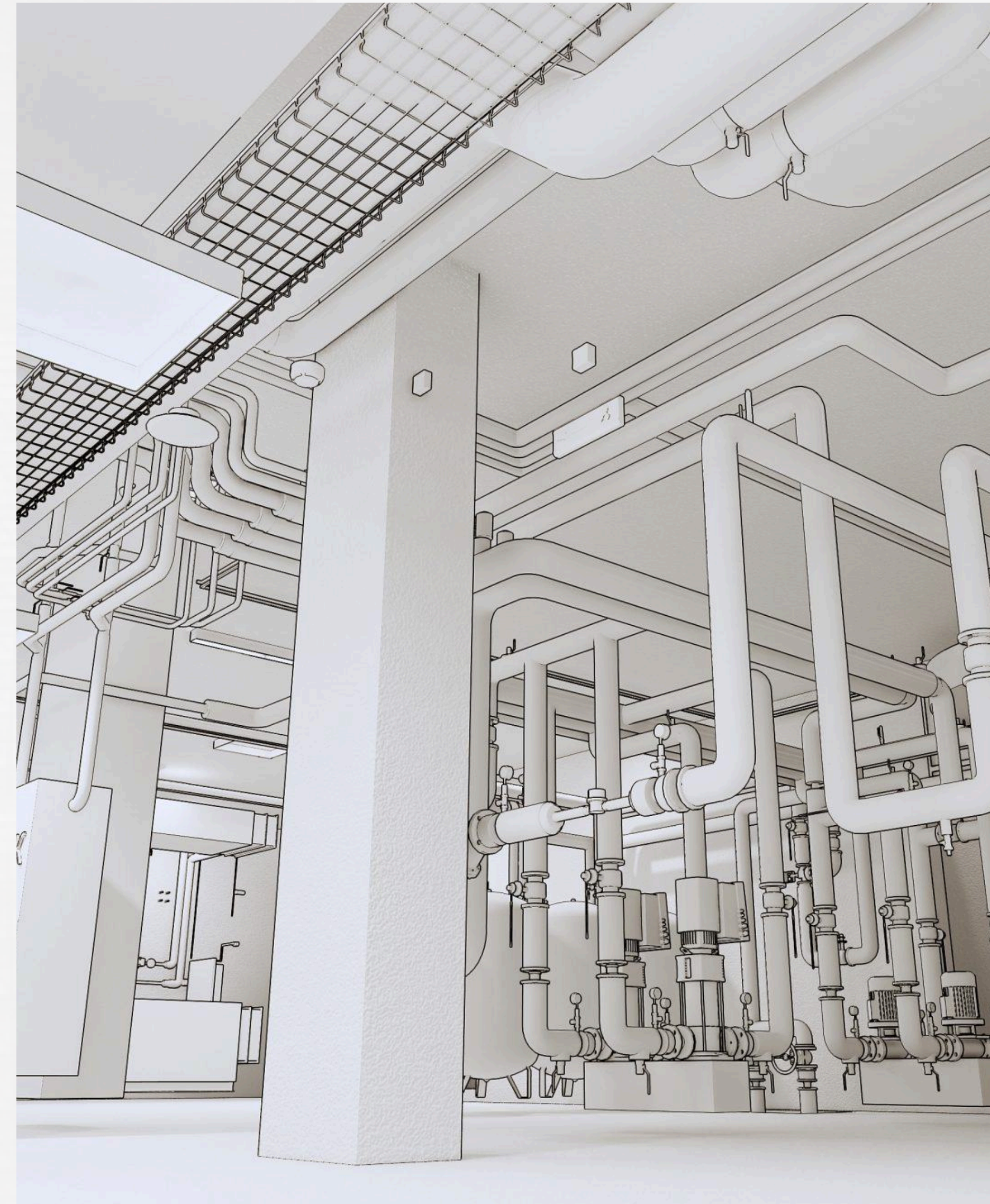
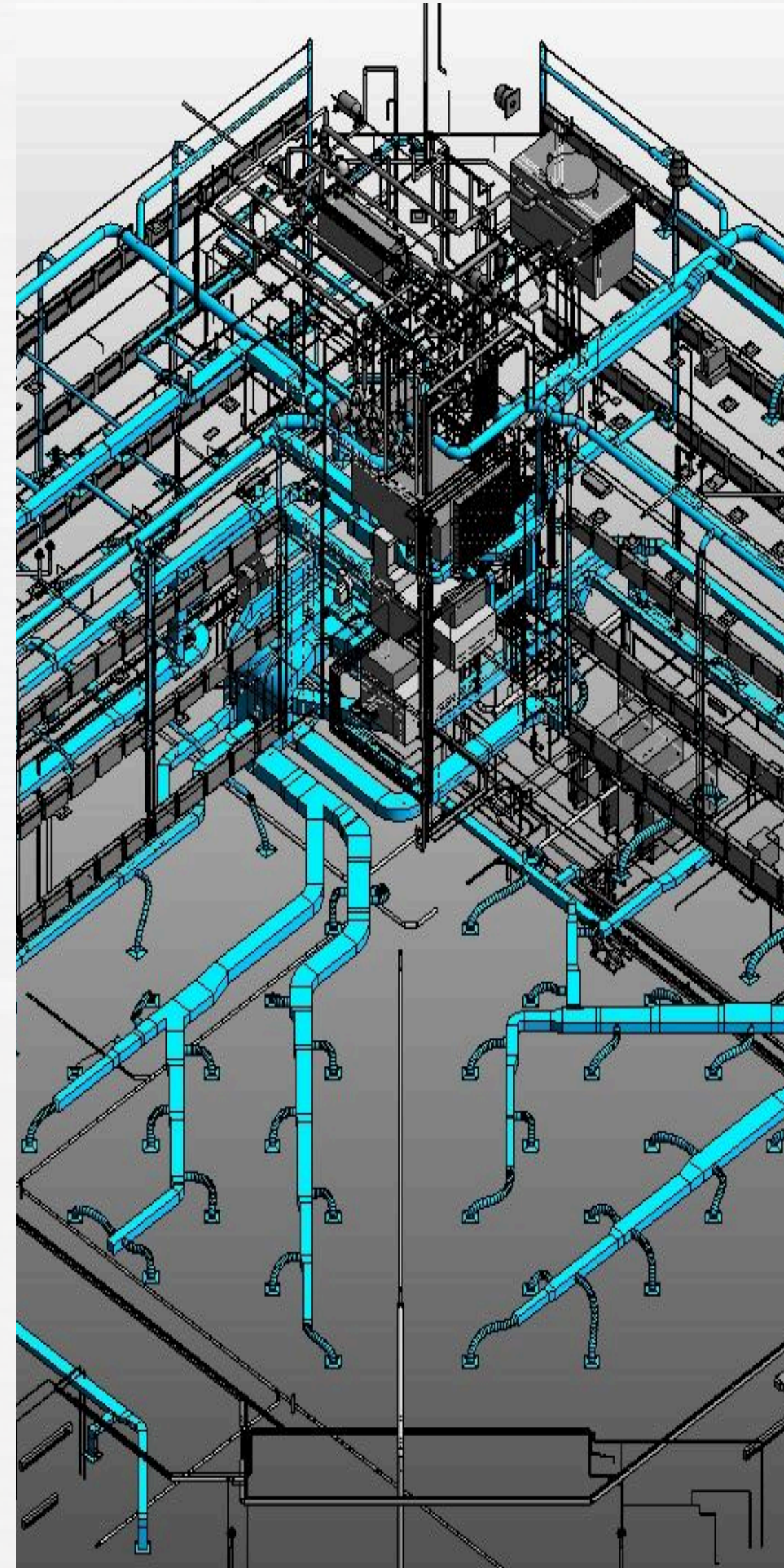
- **Construction Supervision & Technical Support**

Supervision of geotechnical works, review of site investigations, verification of construction compliance, monitoring of geotechnical performance, and technical support throughout project execution.



MECHANICAL, ELECTRICAL, AND PLUMBING DESIGN

Integrated mechanical, electrical, and plumbing solutions designed to improve operational efficiency, sustainability, safety, and building performance.



DRAB delivers integrated mechanical, electrical, and plumbing engineering solutions that enhance building performance, energy efficiency, occupant comfort, and operational reliability. Our multidisciplinary approach ensures seamless coordination with architectural and structural systems throughout the project lifecycle.

- **Mechanical Systems Design**

Design of HVAC, ventilation, smoke management, and mechanical utility systems.

- **Electrical Systems Design**

Design of power distribution, lighting, grounding, lightning protection, and low-current systems.

- **Plumbing & Drainage Systems**

Design of water supply, drainage, sewage, stormwater, and irrigation networks.

- **Fire Protection Systems**

Design of fire fighting, fire alarm, and life safety systems in accordance with applicable codes and standards.

- **Energy Efficiency & Sustainability**

Development of efficient building services solutions that support sustainability and operational performance objectives.

- **Building Services Coordination**

Integration and coordination of MEP systems with architectural, structural, and other engineering disciplines.

- **Construction Documentation**

Preparation of drawings, specifications, schedules, load calculations, and tender documentation.

- **Construction Supervision & Technical Support**

Review of shop drawings and material submittals, site inspections, testing and commissioning support, and technical assistance throughout project execution.

PROJECT MANAGEMENT AND CONTRACTS (PMC)

DRAB provides structured Project Management and Contract (PMC) services focused on effective control of scope, schedule, cost, quality, risk, and contractual compliance across the full project lifecycle, ensuring disciplined delivery and protection of client interests in complex construction environments.



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- **Construction Contracts, Claims & Dispute Resolution**
Contract administration, claims preparation and evaluation, and structured support for dispute resolution including negotiation, adjudication, arbitration, and litigation.
- **Forensic Delay Analysis**
Analysis of project delays using recognized methodologies to determine causation, critical path impact, and entitlement, supporting Extension of Time (EOT) claims and dispute resolution.

- **Construction Insurance**

Review and assessment of construction insurance policies, risk allocation, and support in insurance claims management to ensure adequate project coverage and contractual compliance.

WHY CLIENTS CHOOSE DRAB



INTEGRATED COORDINATION

All engineering disciplines under one team.



TECHNICAL PRECISION

Engineering focused on accuracy, efficiency, and buildability.



SMARTER SOLUTIONS

Ground-up engineering intelligence for better project performance.

OUR PROJECTS

Integrated engineering solutions across commercial, residential, infrastructure, and mixed-use developments.



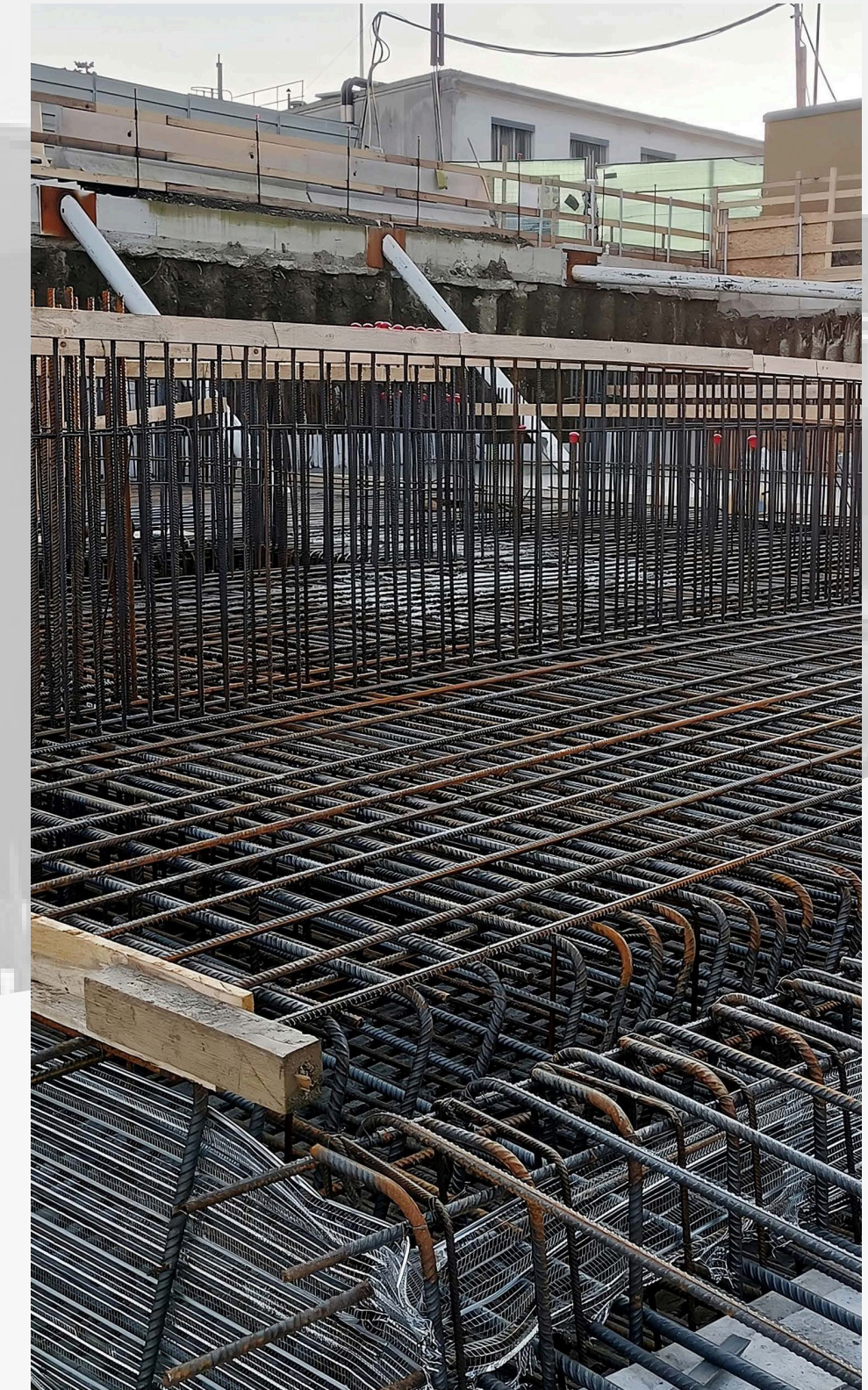
ARAMCO STADIUM - KHOBAR

Design of a soldier pile and lagging system for a deep stormwater trench within a sensitive stadium zone in Saudi Arabia, ensuring safe staged excavation and minimal impact on surrounding utilities and infrastructure.



COMMERCIAL BUILDING - WADI AL SIR

Delivered the detailed design of an engineered earth retention solution for a commercial development, optimizing excavation stability through advanced geotechnical analyses, soil nailing, and shotcrete support systems in accordance with international design standards.



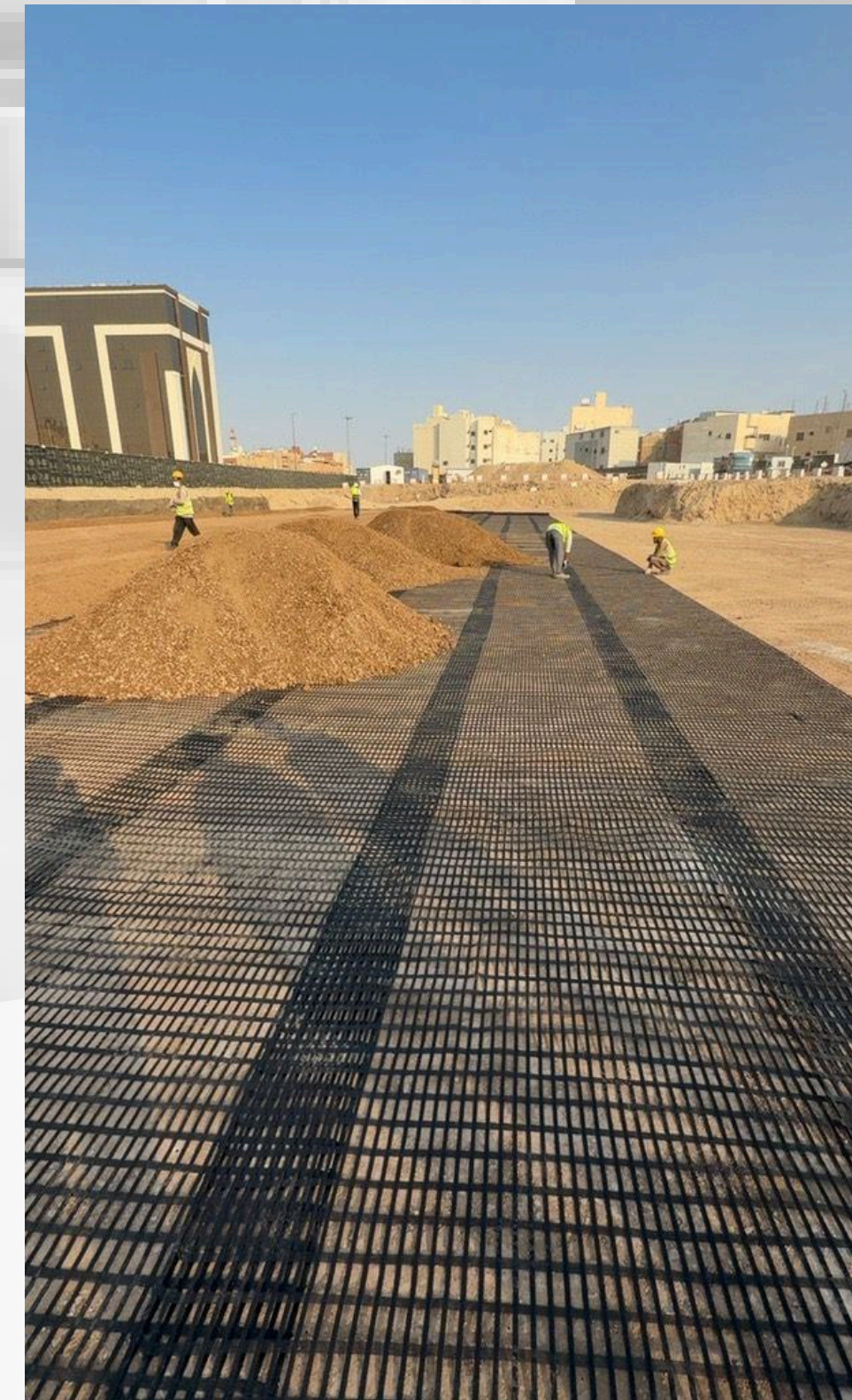
COMMERCIAL BUILDING - AIRPORT ROAD

The Commercial Development Project is a full-scope multidisciplinary assignment by DRAB, integrating architectural, structural, geotechnical, and MEP design from concept through detailed development. The coordinated approach ensured efficient layout planning, optimized engineering solutions, and strong alignment between all disciplines. The project reflects DRAB's capability to deliver integrated, constructible, and cost-efficient commercial developments.



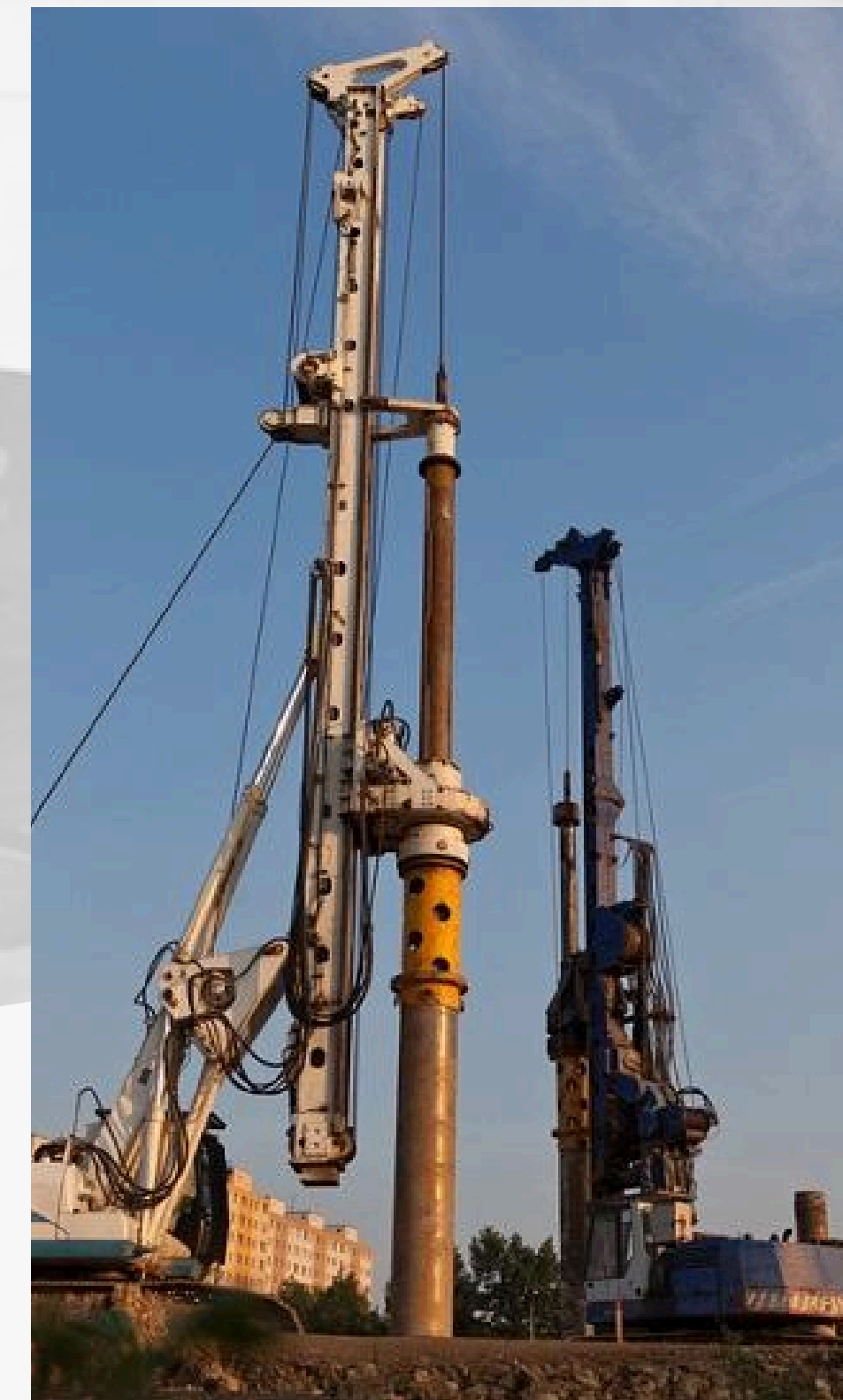
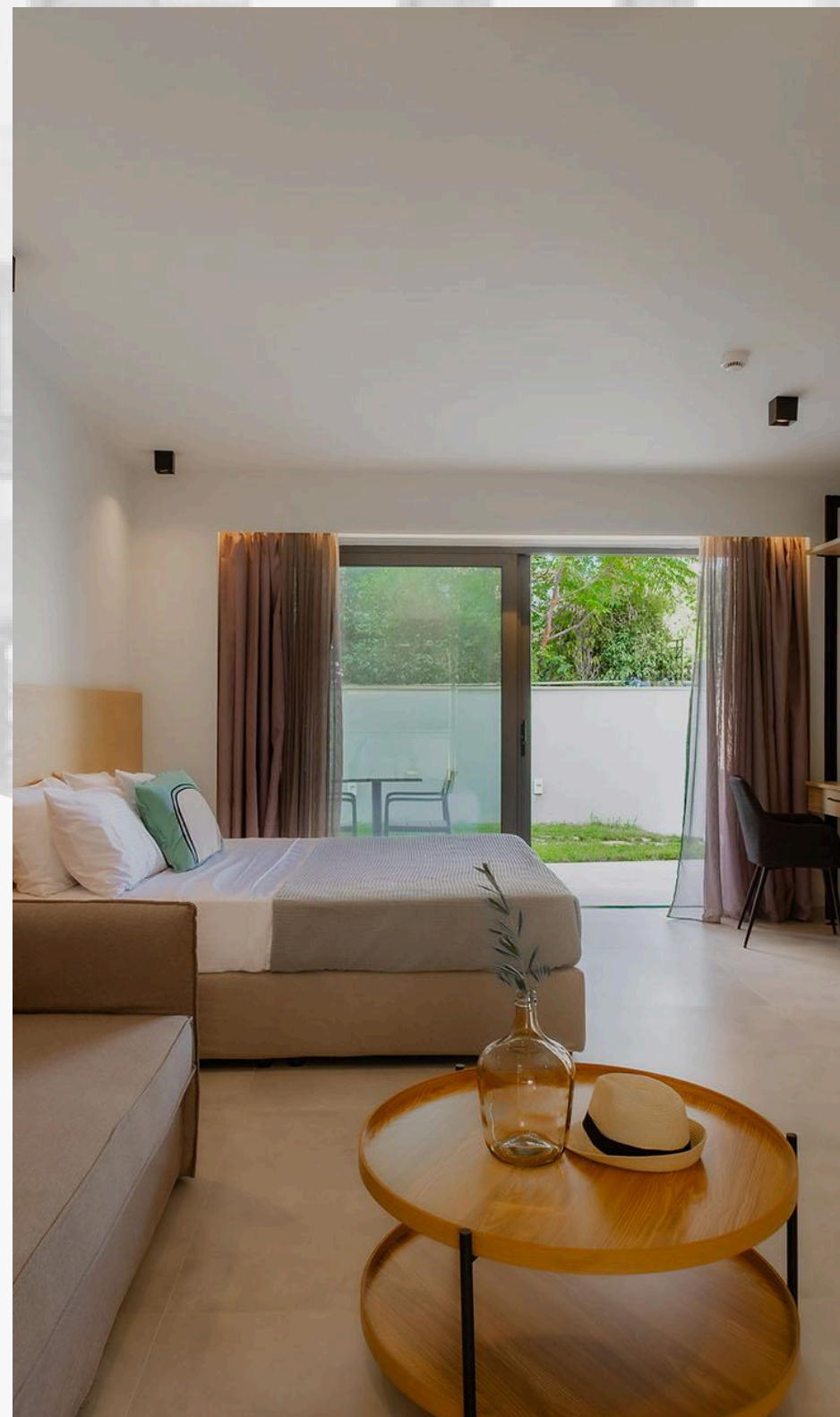
RESIDENTIAL BUILDING - DABOUQ

Responsible for the conceptualization, detailed design, and geotechnical analysis of deep foundation systems and slope stabilization measures.



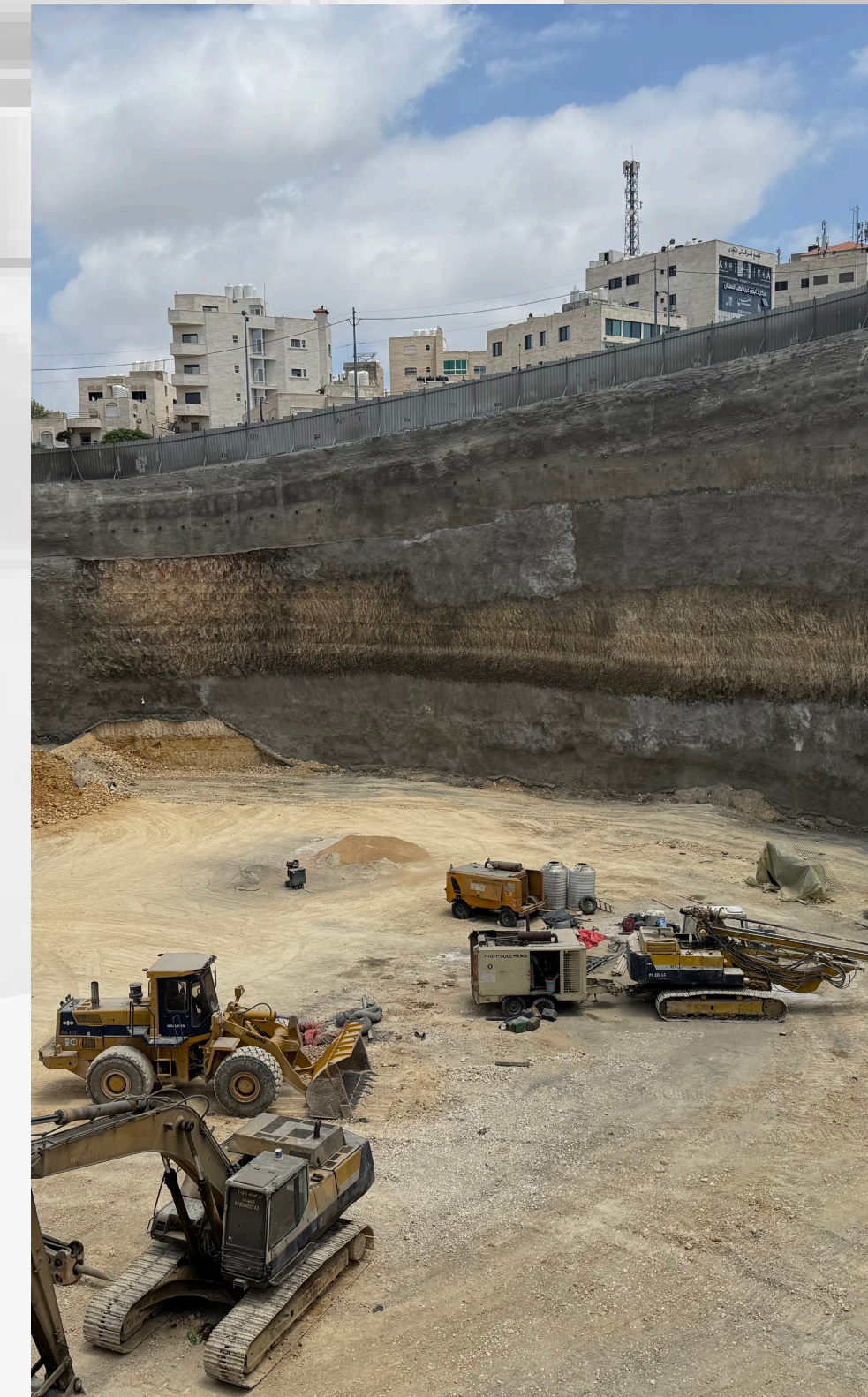
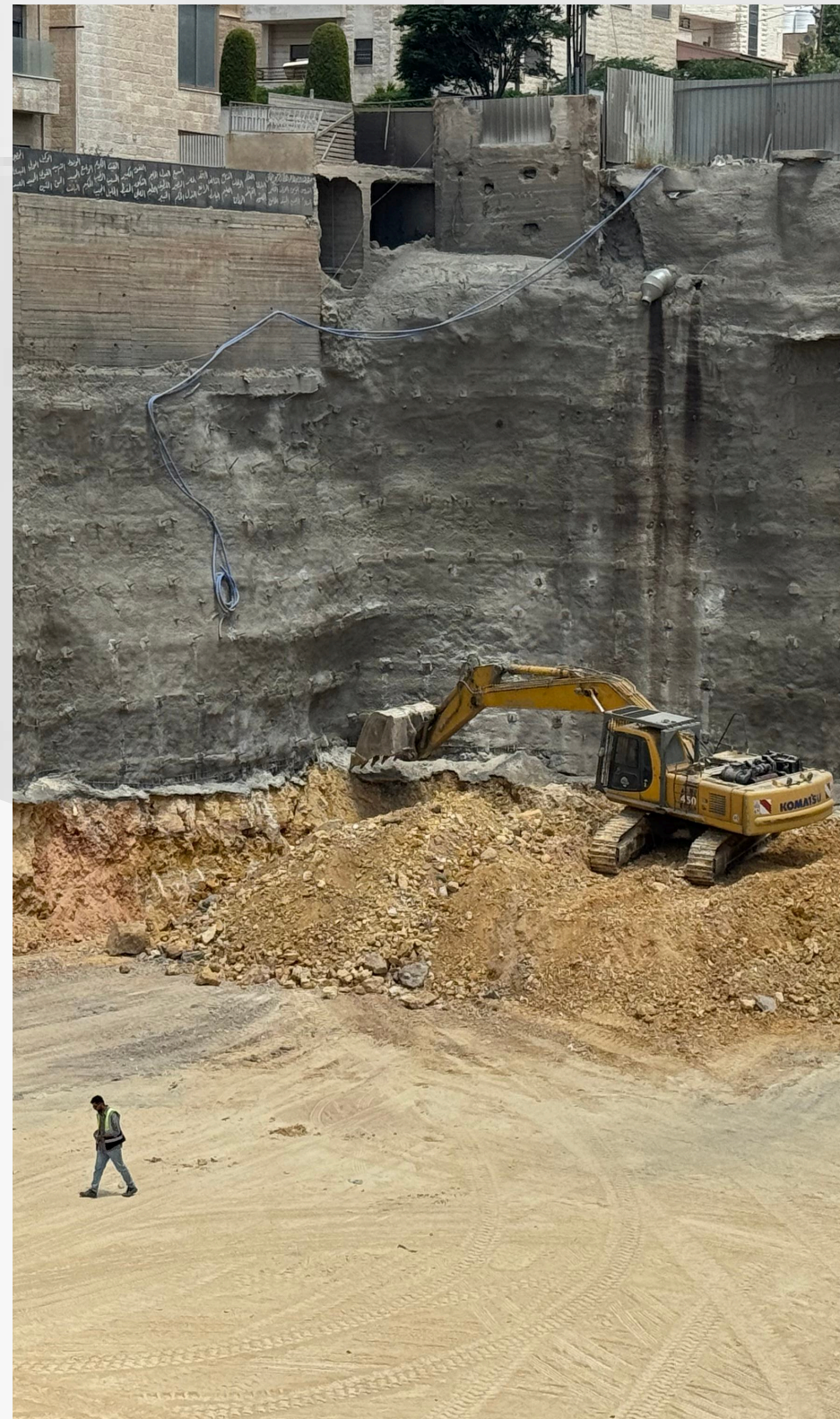
RUA SALES CENTER - MEDINA

Ground improvement design for a commercial development in Madinah, using a Geogrid-Reinforced Soil Mat (GRSM) to strengthen weak soils beneath the foundations, ensuring safe, stable, and long-lasting construction.



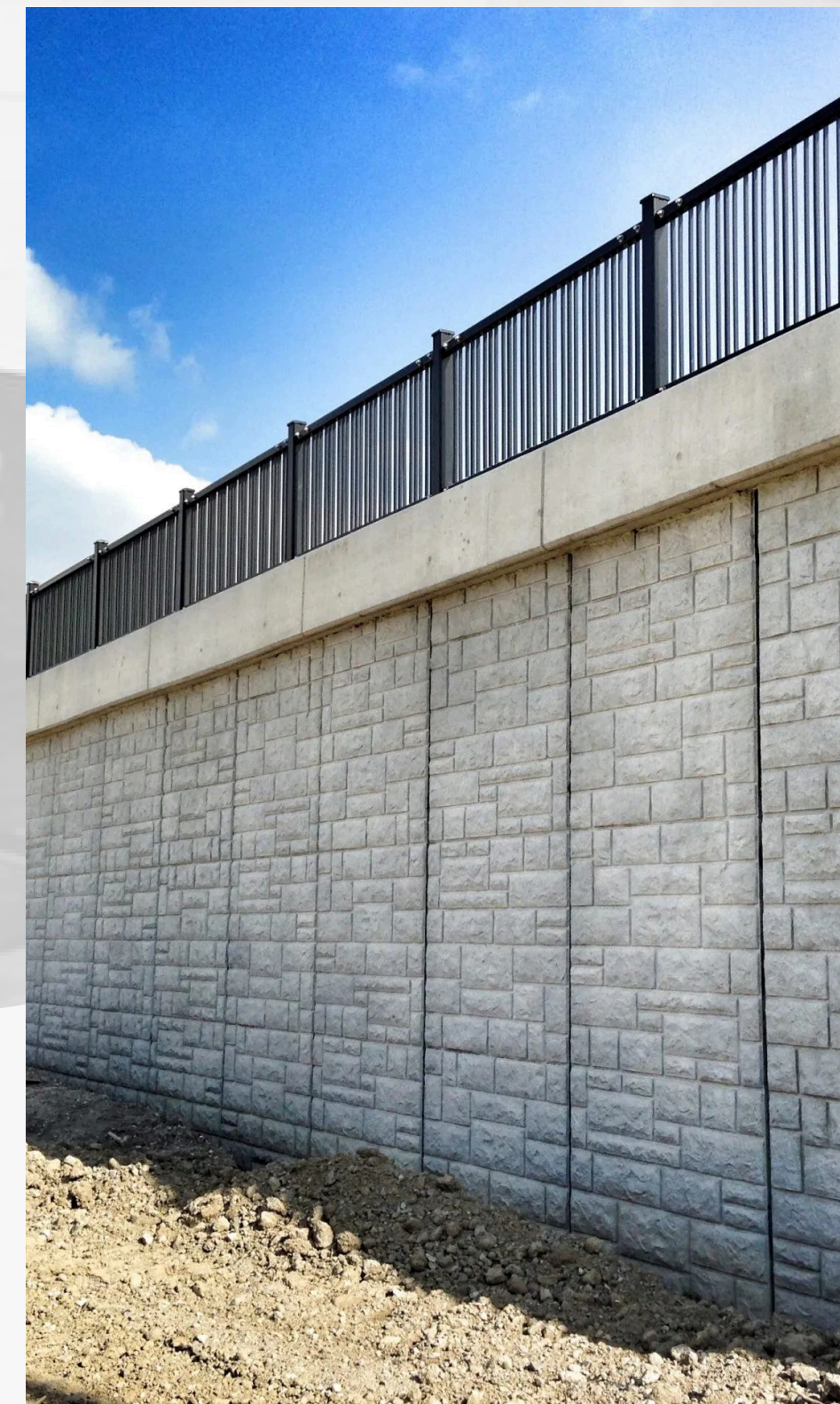
HOTEL - PETRA

Design of concrete piles and ground anchors for landslide stabilization, including geotechnical assessment, structural analysis, and evaluation



JAH MEDICAL CENTER – AL YASMIN

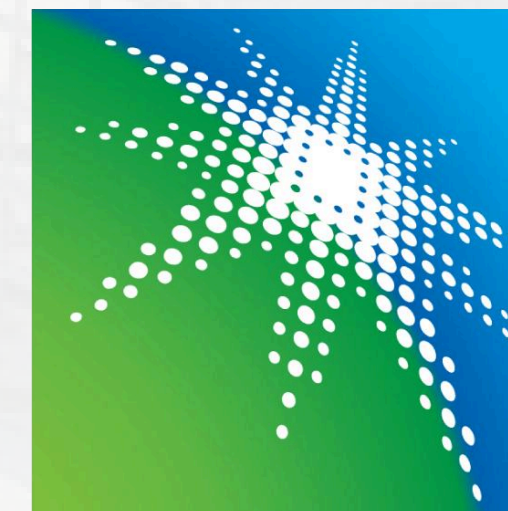
Detailed geotechnical and structural design of a temporary earth-retaining (shoring) system for the JAH Healthcare Project in Amman, Jordan. Scope includes interpretation of site investigation data, stability and deformation analysis, and design of a soil nail and shotcrete support system, developed in accordance with FHWA guidelines and international geotechnical standards.



HURRAH FREE ZONE – ZARQA

Concept Design for the engineering review and resilience strategy of more than 180 retaining structures at Hurrah Free Zone

OUR CLIENTS



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