



**Sub-Contractor's Approval**  
**Construction Submittal Review**  
**Alamein Downtown Towers**  
**This Stamp Shall Only be Applied to Construction**  
**Submittals on Aconex**

Date: 08 Nov.2022

Ref: SCA-CSCEC-ALA-GE-0012-00

Project No. & Title: E21110-01005 Alamein Downtown Towers Project

|   |   |  |
|---|---|--|
| <b>Employer:</b><br> Arab Republic of Egypt<br>Ministry of Housing, Utilities and Urban Communities<br>New Urban Communities Authority | <b>Engineer:</b><br> | <b>Contractor:</b><br> 中國建築股份有限公司<br>CHINA STATE CONSTRUCTION ENRG . CORP . LTD |
|---|---|--|

**1. Sub-contractor's particulars**

Company name : GEO-Cairo Engineering

Company line or works : Laboratory-testing works

Address : 248 AIN Hadayek Al-Ahram, Giza, Egypt

The following prequalifying documents should be enclosed :

Commercial register     
  Founding contract     
  Summary of experience     
  Financial status  
 Present works     
  Company staff     
  Company equipment

**2. Sub-contracted works**

Section of the work : Analysis of soil-structure, Site investigation and Laboratory/field quality contral testing etc

BOQ Items : \_\_\_\_\_

Total value of sub-contract (in Contract rates) : \_\_\_\_\_

Cumulative value of sub-contracted works to-date (in Contract rates) : \_\_\_\_\_

Submitted by : ZHOU CHUANG      Signature: 周闯

**3. Engineer's Representative comments**

Approved subject to the performance and reporting of the subcontractor onsite.

Abdallah Ali    08 Nov. 2022

The Engineer's Representative:

Signature: Amr Abd Elesalam      Date : 09 Nov. 2022

## **PROFILE AND PREVIOUS PROJECTS**



# GEO - CAIRO

## ENGINEERING

**RELIABLE TESTING & CONSULTING SERVICES**

# Overview

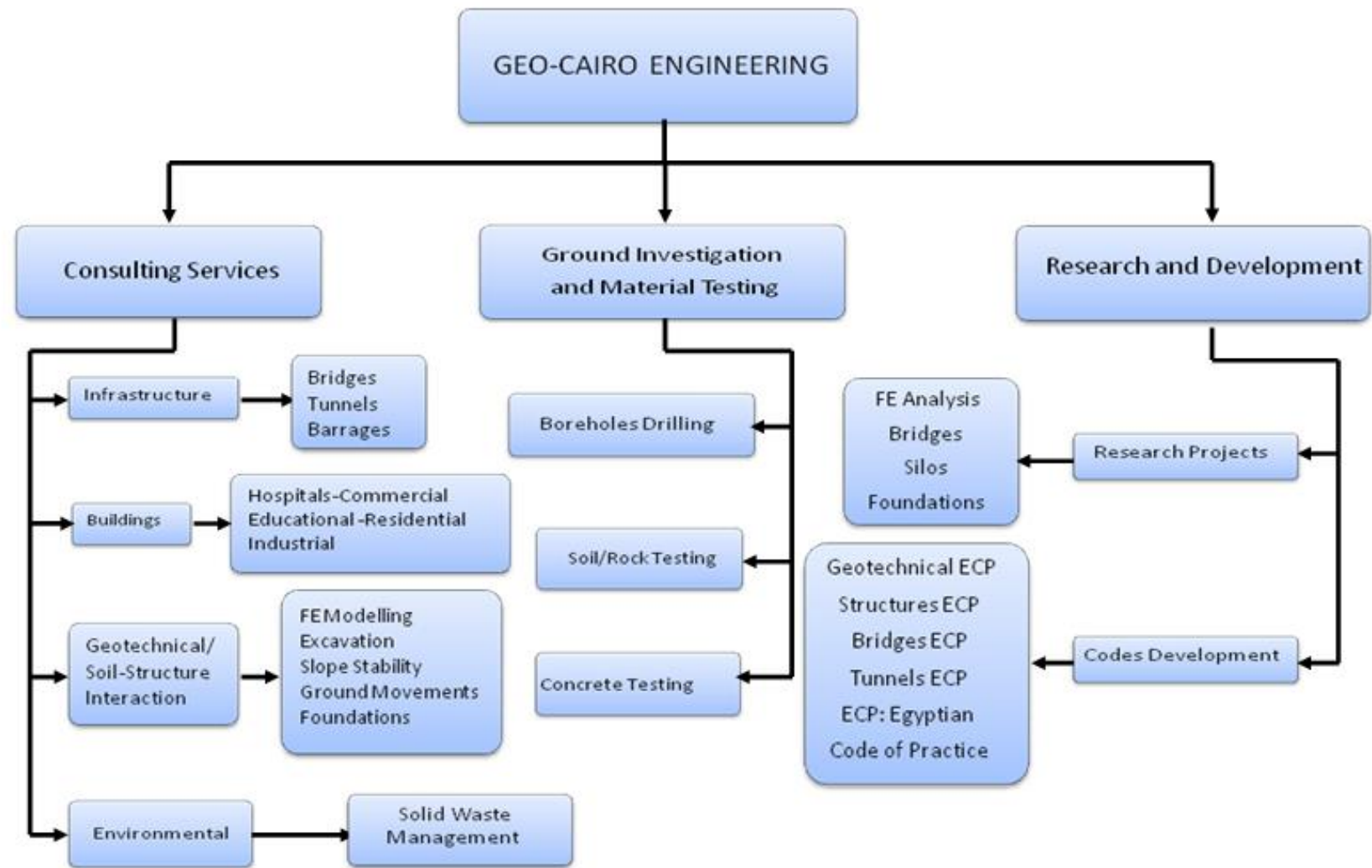
- Geo-Cairo Engineering is an engineering company and consulting office specialized in the fields of **geotechnical engineering**, (investigation, testing, design and consulting), **material testing**, **structural engineering**, **waste management**, and **research and development**.
- The office started activities in Egypt in 2008 by a group of engineers with supreme competencies, and with state-of-the-art laboratory and field-testing equipment, Geo-Cairo Engineering has been continuing its mission of tackling challenges from many vantage points to create lucid solutions for its clients.
- With a founding team of professionals having prolific experience in the business, Geo-Cairo Engineering provides practical and economic engineering solutions without compromising quality.
- As well, the founding team possess a variety of educational backgrounds as its members hold high degrees from reputable institutions in the Middle East and North America. This blend of educational systems has been a key factor in providing optimum solutions to our local and foreign clients.

# Our Mission

- We are consultants and researchers creating significant value for clients, people and society by:
  - Involving and engaging clients and stakeholders in co-creating optimum solutions.
  - Applying world-class knowledge and experience globally and locally based on engineering, economics and environmental science.
  - Conducting research projects for the purpose of contributing to the advancement of the industry's codes and standards.

# Services

- Soil investigations and geotechnical reports.
- Field testing & construction supervision.
- Laboratory testing applying national and international standards.
- Numerical modelling.
- Geotechnical & Structural design.
- Design of soil improvement systems and advanced foundation systems.
- Value engineering.
- Structural integrity checks for existing building and settlement observation.
- Design of deep excavations and ground water control systems and assessment of Safety of existing buildings during these works.
- Geo-environmental risk assessment.
- Landfill design and solid waste management
- Scientific publication in local and international journals and conferences.



- 6 consolidometers (ELE and WF)
- Wykham Farrance Direct shear device
- ASTM and BS sieves, 8 and 12 inches
- Sieves' Vibrator
- ELE 2000 kN Rock and concrete compression machine
- ASTM and BS sieves, 8 and 12 inches
- Laboratory Overview equipped with 5 classification tables



3 ELE Odometers



WF Direct Shear



Sieves



ELE 2000 kN Compression Machine



Sieves' Shaker



Laboratory overview



# Laboratory Capacity

- CBR/Unconfined compression machine ,CBR Moulds and ELE Proving Rings
- More than 12 hydrometer tests at a time
- Blender
- Concrete coring machine
- Concrete and rock cutting Saw
- Modified/standard proctor
- Point load test (digital)
- Clay Samples Extruder



Hydrometer setup



Blender



Extruder



50 kN

2 kN

CBR and qu of clay machine With 2 ELE Proving Rings



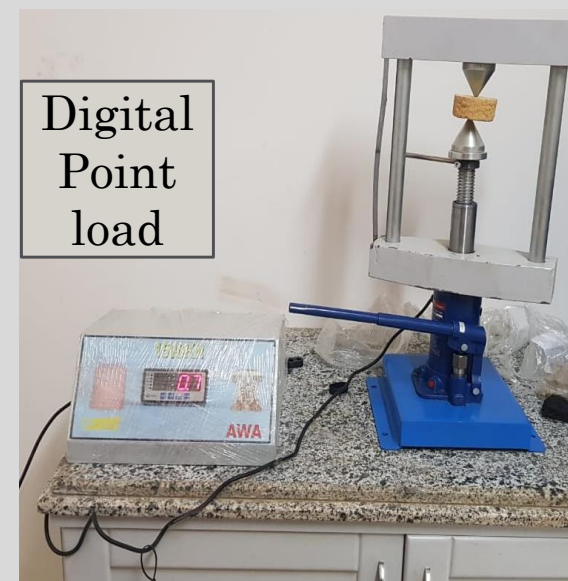
Concrete Coring Machine



Saw



Modified and Standard Proctor and CBR Moulds



Digital Point load

# Laboratory Capacity

- 2 BTC Ovens 120 Liter,
- BTC 1200 degree muffle furnace,
- Chemical Analysis Kit,
- Specific Gravity Kit,
- Vacuum Pump for Specific gravity
- Different capacity Balances up to 0.001 gm.
- Concrete mixer, cubes and slump cones
- 3 Liquid limit Casagrande equipment



BTC Muffle Furnace



BTC 120 Liters Ovens



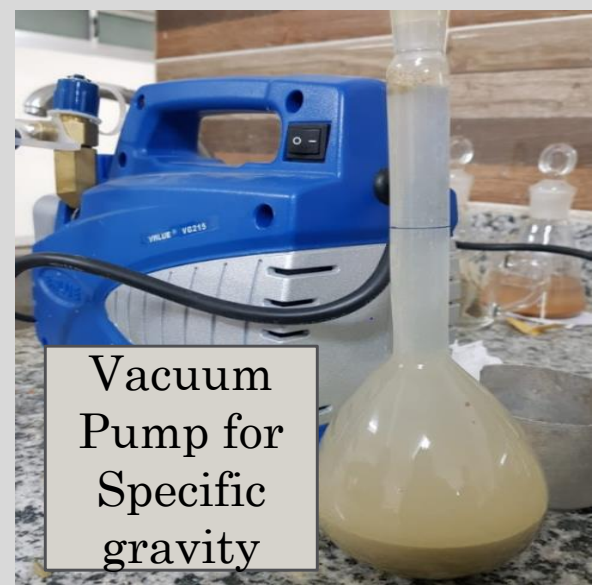
Chemical Analysis



Concrete and Mortar mixer



Specific Gravity Device



Vacuum Pump for Specific gravity



Measuring PH Device

Liquid limit Casagrande equipment



WF



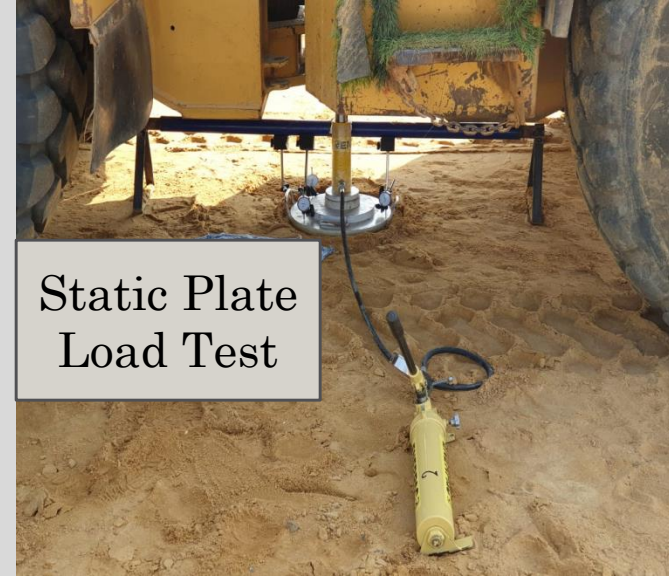
Controls



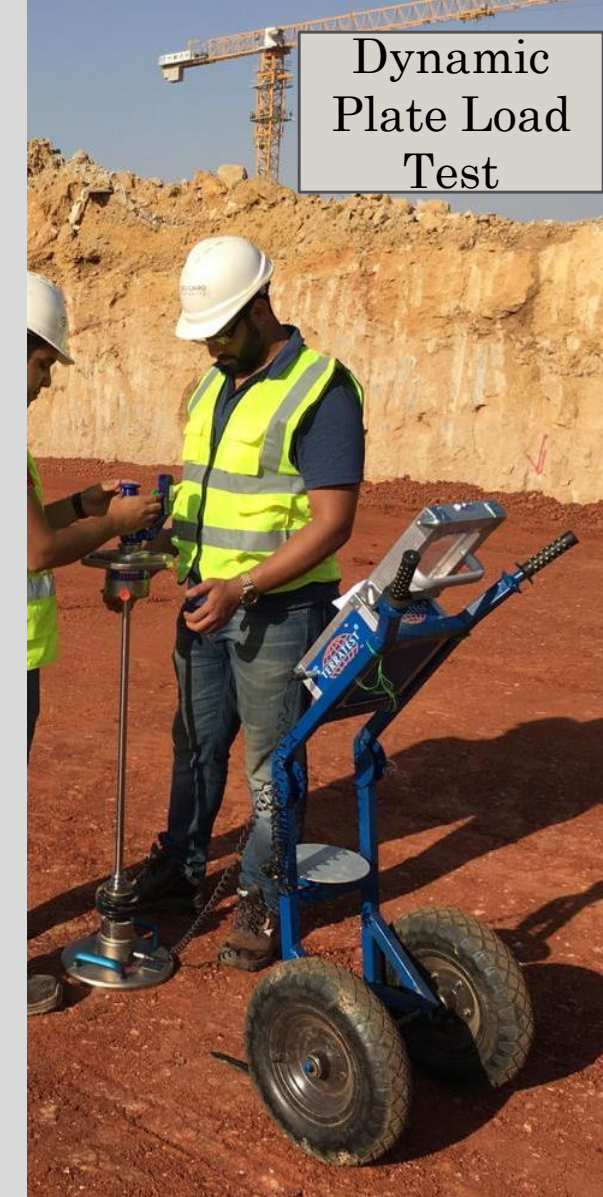
Digital Balances

# Laboratory Capacity

- 2 x Dynamic plate load test (Light weight deflectometer, LWD) 10 kg
- Dynamic plate load test (LWD) 15 kg for gravelly soils
- 2 x Static plate load test kits (up to 20 tons)
- 3 x Double ring infiltrometers
- Sand cone testing
- Pile integrity testing
- Full time drilling and construction supervision



Static Plate Load Test



Dynamic Plate Load Test



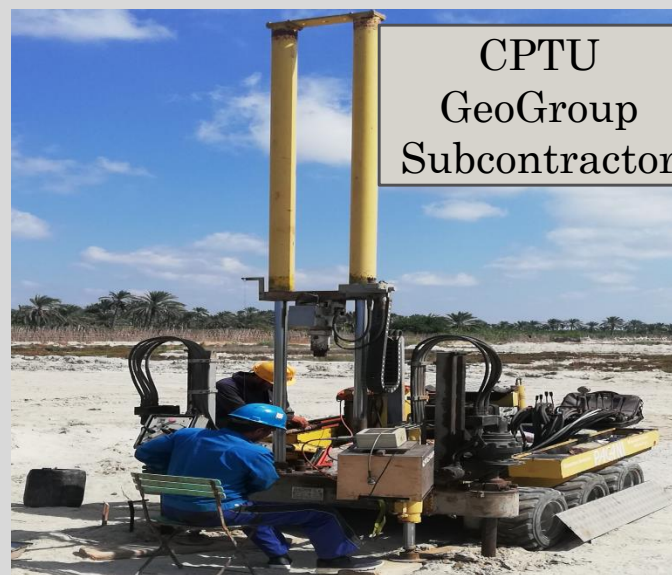
Soil Investigation Driller Central Africa



Pile Integrity



Double Ring Infiltrometer



CPTU GeoGroup Subcontractor



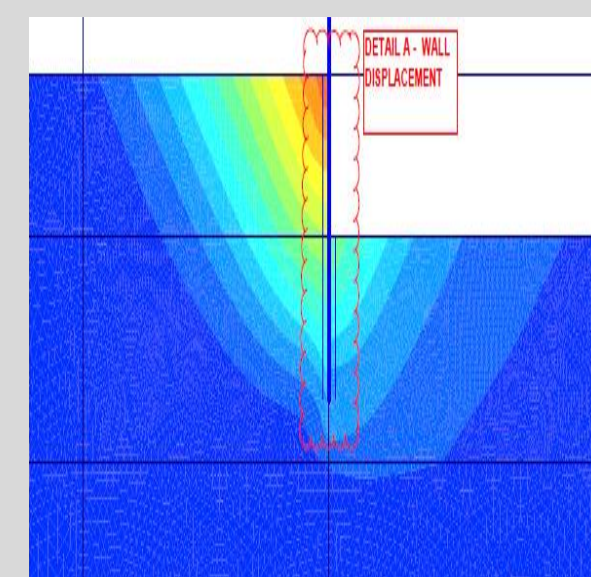
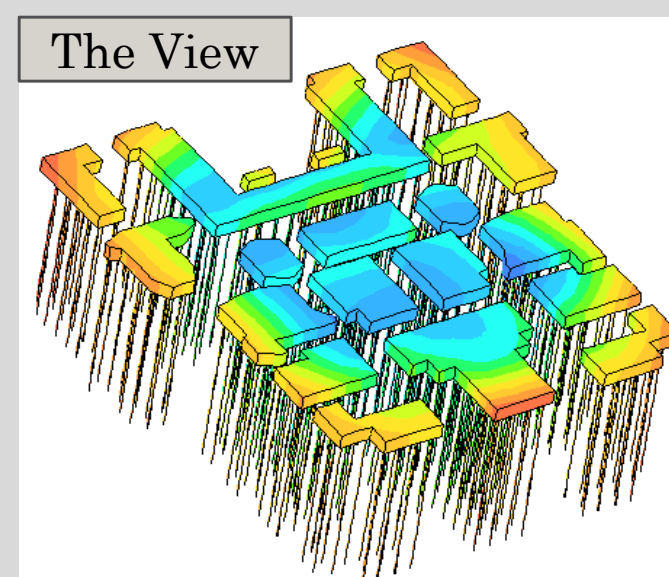
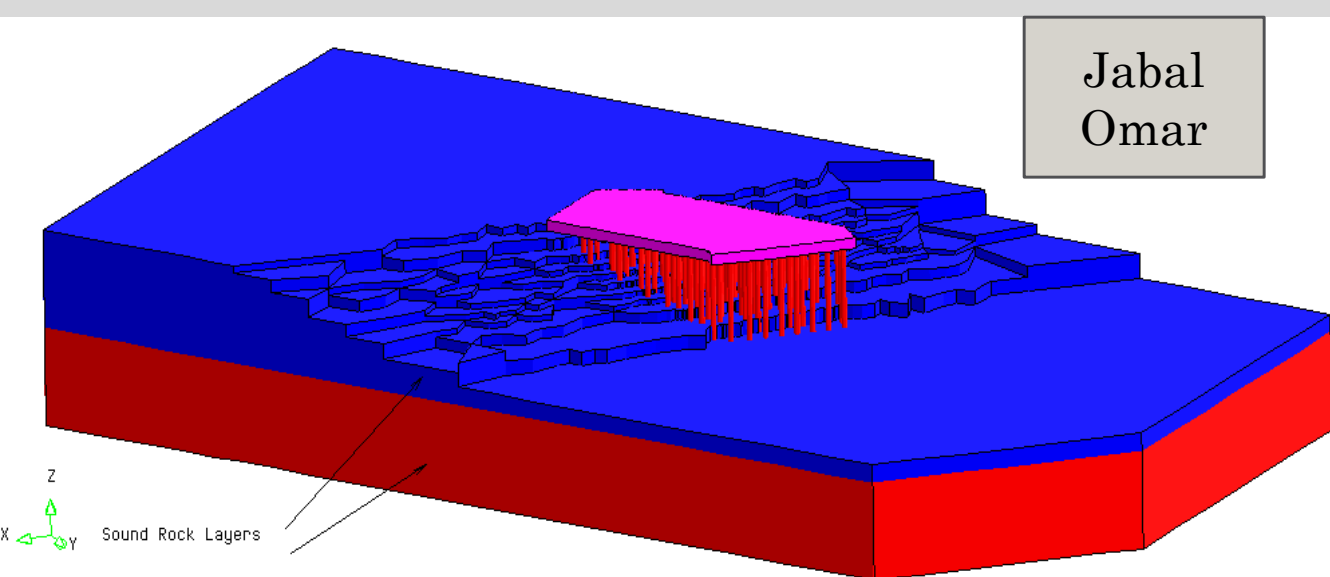
Enerpac Hydraulic Jacks



Sand Cone

# Field Capacity

- **DIANA 10.3:** A general-purpose FE program for civil engineering applications including non-linear modeling of soils, rocks, concrete, steel and masonry as well as geometric nonlinearities.
- **PLAXIS 2D**
- **WALLAP**
- **Limit State \_ Geo 5:** An ultimate limit state analysis software that provides a complete stability analysis solution for geotechnical applications.
- **LPILE :** FE program for analysis of piles under horizontal loading
- **SNAP-2 :** FHWA's special-purpose computer program for soil nail walls.
- **Rock-Lab:** Special purpose computer program for estimating non-linear design parameters for rocks.
- **Geo-Studio**

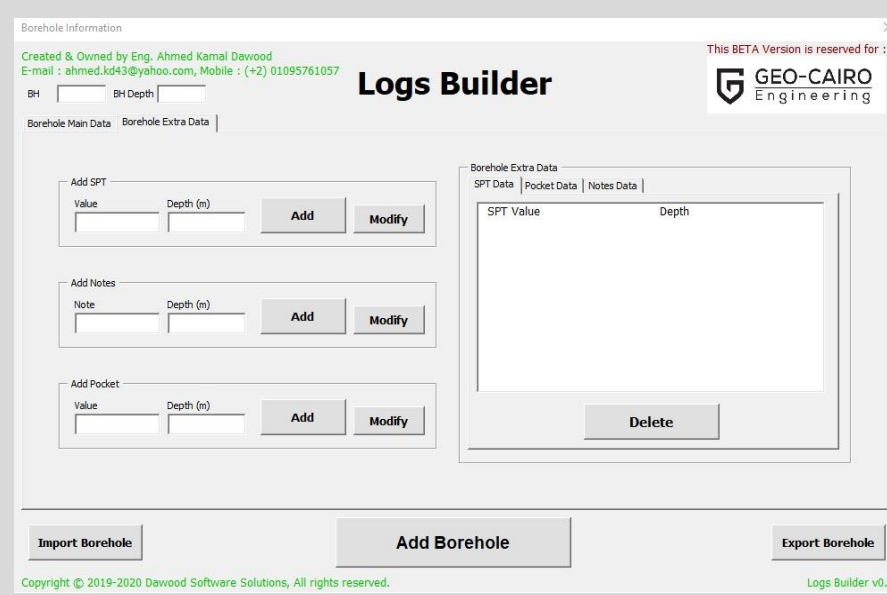
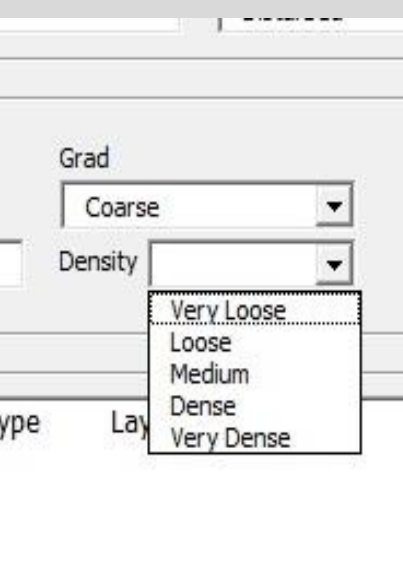
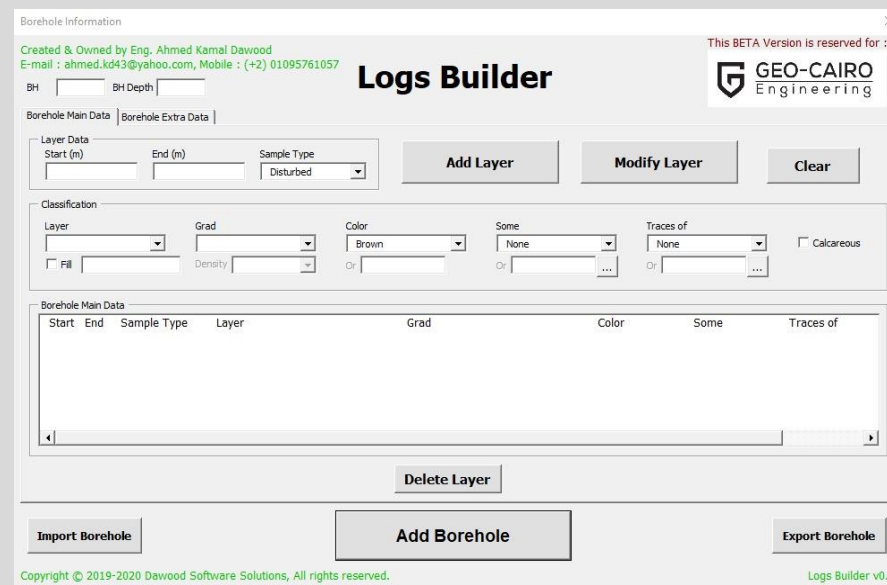
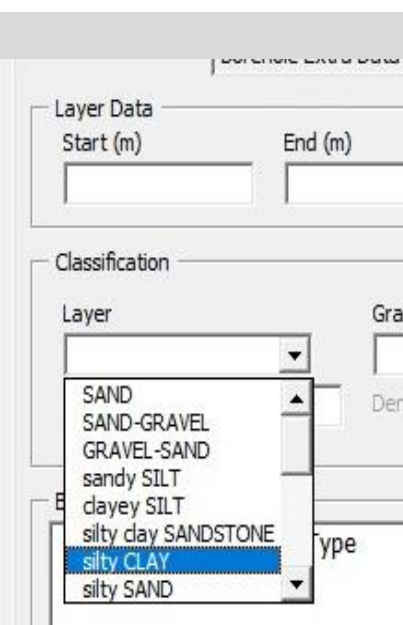


Design & Modelling Capacity

- Geo-Cairo has developed its own Subsurface Data Management and Reporting Software
- This software helps generating logs, tables and reports
- The software reduces human errors and makes the reporting process faster which serves early delivery of our reports
- All tables and logs can be exported in excel formats

| BOREHOLE NO. ( 1 ) |                                    |                      |  |                  |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
|--------------------|------------------------------------|----------------------|--|------------------|-----|----------------------|---------------|-------------------------------------|--------------------|--------------------|--------------------|-----------|------------|--------------|------------|
| Project Name:      | Desouq MSW MBT Facility            | Project No.:         | 01/19/19   |                  |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
| Location:          | Desouq, Kaft El-Sheikh Governorate | Date Commenced:      | Sunday, December 29, 2019  |                  |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
| Client:            | Chemionics Egypt Consultants       | Date Completed:      | Sunday, December 29, 2019  |                  |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
| Client Address:    | Dokki/Oiza                         | Coordinates:         | East (m):  | 287813.8102      |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
| Drilling Method:   | Mechanical Drilling                | Coordinates:         | North (m):   | 3457809.483      |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
| Drilling Fluid:    | Bentonite                          | Elevation (m):       | 12.50  |                  |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
| Contractor Name:   | Ayman                              | Weather:             | Cold   |                  |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
| Core Barrel Type:  | Single Core Barrel                 | Initial / Final GWD: | NA/1.5 m   |                  |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
|                    |                                    | Core Diameter (mm):  | 75.00  |                  |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
| Depth (m)          | Sample Type                        | Logarith             | Description  | End of Layer (m) | U/G | Q <sub>v</sub> (MPa) | SPT (N/30 cm) | f <sub>s</sub> (kN/m <sup>2</sup> ) | W <sub>c</sub> (%) | W <sub>L</sub> (%) | W <sub>p</sub> (%) | P.L.R (%) | Plines (%) | Recovery (%) | R.L.G. (%) |
| 1                  |                                    |                      | stiff CLAY, medium to stiff to stiff, dark brown, traces of mica, calcareous |                  | CH  | 2.00                 |               |                                     | 21                 |                    |                    |           |            |              |            |
| 2                  |                                    |                      | ←- grey  |                  |     | 1.00                 | 15            |                                     | 40                 | 87                 | 35                 |           |            |              |            |
| 3                  |                                    |                      | ←- silty sand / pebbles  |                  | CH  | 1.75                 |               |                                     | 38                 |                    |                    |           |            |              |            |
| 4                  |                                    |                      | ←- silty sand / pebbles  |                  | CH  | 0.50                 | 13            |                                     | 45                 | 79                 | 29                 |           |            |              |            |
| 5                  |                                    |                      | ←- sandy   |                  |     | 2.00                 | 13            |                                     | 37                 |                    |                    |           |            |              |            |
| 6                  |                                    |                      | ←- sandy, very soft to soft  |                  |     | 0.50                 |               |                                     | 36                 |                    |                    |           |            |              |            |
| 7                  |                                    |                      | ←- very soft to soft   | 7.00             |     | 0.25                 | 10            |                                     | 39                 |                    |                    |           |            |              |            |
| 8                  |                                    |                      | ←- very soft to soft   |                  |     | 0.25                 |               |                                     | 90                 |                    |                    |           |            |              |            |
| 9                  |                                    |                      | stiff SAND, very dense, grey   |                  |     | 0.30                 |               |                                     | 52                 |                    |                    |           |            |              |            |
| 10                 |                                    |                      | ←- medium to fine SAND with some silt  |                  |     |                      |               | 50                                  |                    |                    |                    |           |            |              |            |
| 11                 |                                    |                      | End of Borehole @ 10 m depth   | 10.00            |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
| 12                 |                                    |                      |  |                  |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
| 13                 |                                    |                      |  |                  |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
| 14                 |                                    |                      |  |                  |     |                      |               |                                     |                    |                    |                    |           |            |              |            |
| 15                 |                                    |                      |  |                  |     |                      |               |                                     |                    |                    |                    |           |            |              |            |

Geo-Cairo Supervisor: Saad Abdel Kareem



# In-House Software

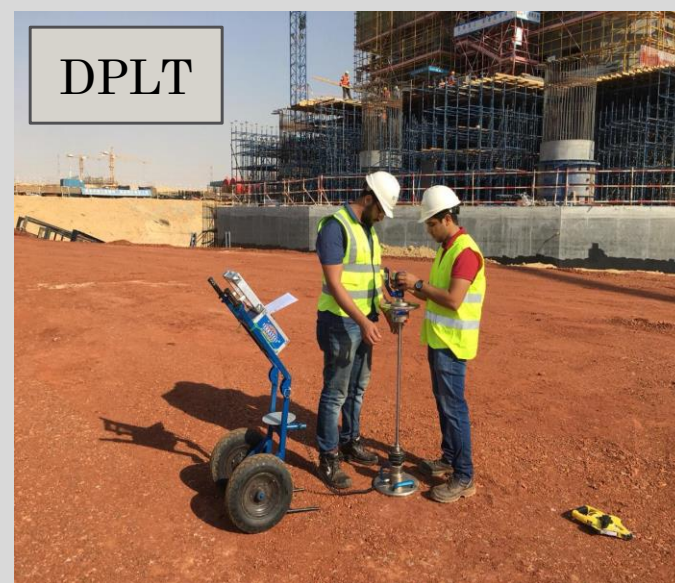
- **Project:** Central Business District (CBD) – New Administrative Capital
- **Client:** CSCEC (Accredited by DAR)
- **Task:** QA/QC on for 16 high-rise towers
- **Year:** 2019/2020



Static Plate Load Test



DPLT



DPLT



# QA/QC Projects

- **Project:** Central Business District (CBD) – New Administrative Capital
- **Client:** CSCEC (Accredited by DAR)
- **Task:** QA/QC for 16 high-rise towers
- **Year:** 2019/2020



QA/QC Projects

- **Project:** Al-Galala University
- **Client:** Engineering Services Group – Dr. Omaina Salah Eldin
- **Task:** QA/QC
- **Year:** 2019/2020



- **Project:** 500-500 Hospital
- **Client:** Almarasem International
- **Task:** QA/QC
- **Year:** 2019



- **Project:** Almorshedy Stores 6 October
- **Client:** Almorshedy
- **Task:** Geotechnical investigation + QA/QC
- **Year:** 2019/2020

# QA/QC Projects (Continued)



# QA/QC (Pile Integrity Testing)

- **Project:** New Administrative Capital Monorail
- **Client:** Orascom Construction
- **Task:** Drilling 300 boreholes – factual reporting
- **Year:** 2020

THE NEW CAPITAL CITY MONORAIL PROJECT –  
ALIGNMENT BOREHOLES NO. 321 to 341  
(STATION NO. 4), AND BOREHOLES NO. 161,  
192, 163A, AND 163B

FACTUAL REPORT ON GEOTECHNICAL  
INVESTIGATIONS – DRAFT

Client



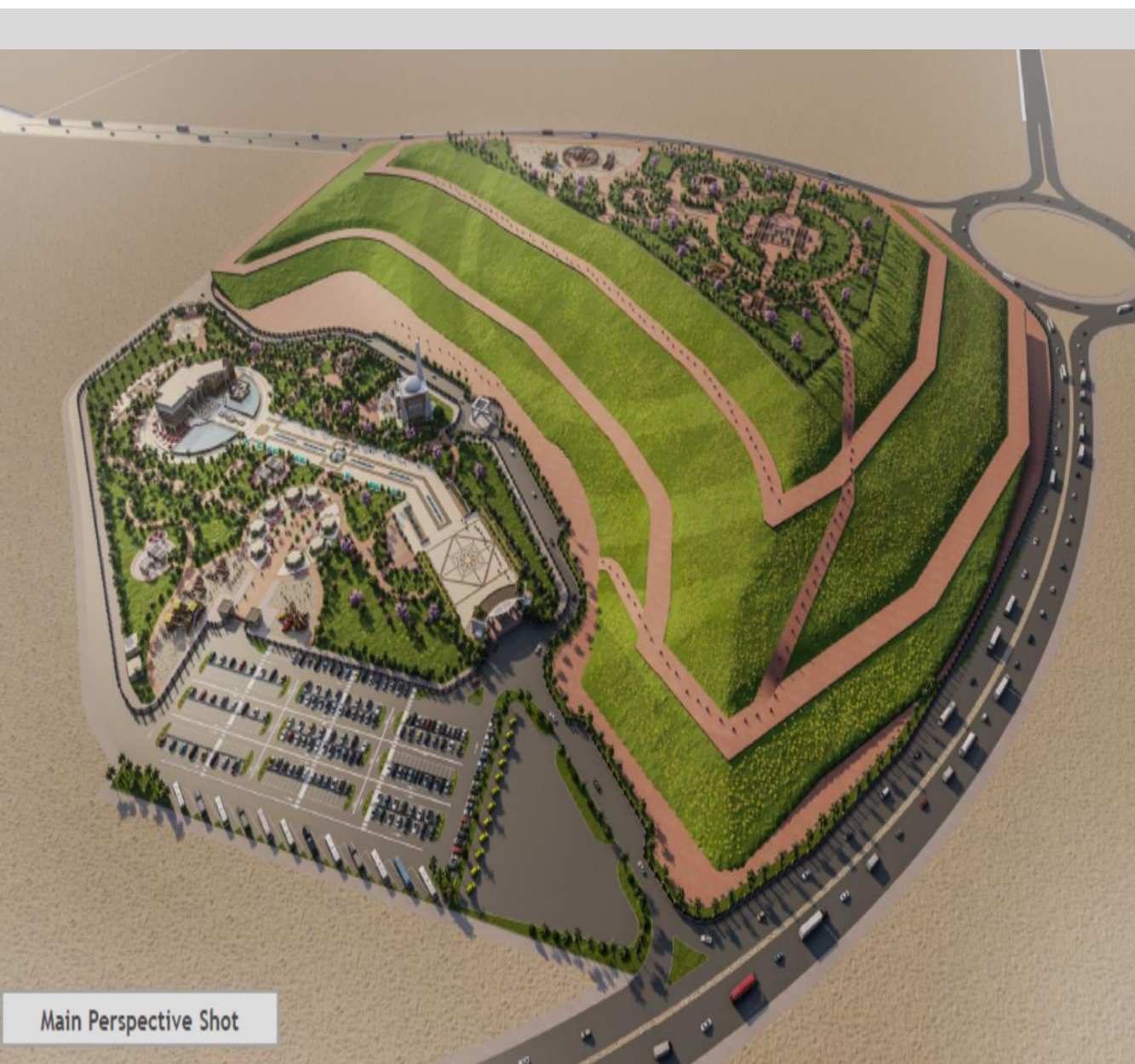
Prepared by:

Geo-Cairo Engineering / Geotech Misr for Drilling Services  
Office: 248 Ain Hadayek Al-Ahram  
Office & Lab: 11D, 1<sup>st</sup> Neighborhood, Fardous City, 6<sup>th</sup> of October City  
Giza  
Egypt  
Tel +20238839636  
www.geocairo.com

Report No. 12006 -06  
Version: 00 - DRAFT  
Date: 16 May 2020



- **Project:** Closure of Alwafaa & Alamal Landfill
- **Client:** Chemonics Egypt / Ministry of Environment
- **Task:** Geotechnical & hydrogeological investigation – Design of closure
- **Year:** 2019/2020



Main Perspective Shot

وزارة البيئة – جهاز تنظيم إدارة المخلفات

مشروع : خدمات استشارية فنية للإغلاق الآمن  
للمدفن الصحي بالوقاء والأمل

تقرير فني حقيقي عن أبحاث التربة والأساسات

مقدم الي



| رقم الإستاد | تاريخ الإستاد | إعداد                                | المراجع       |
|-------------|---------------|--------------------------------------|---------------|
| 0           | أكتوبر 2019   | أحمد عمرو حميدة<br>أحمد عبدالله جلاء | أ.د طارق ثابت |
|             |               |                                      |               |
|             |               |                                      |               |

Address: 248AIN - Gate 4 - Hadyek Al Akram – Tel: +201110507544 – Email: hameda2002@yahoo.com

- **Project:** SODIC East – New Heliopolis
- **Client:** SODIC / Protection
- **Task:** Geotechnical & hydrogeological investigation
- **Year:** 2019



- **Project:** Desouq & Metobus mechanical & biological treatment plants
- **Client:** Chemonics Egypt / KfW
- **Task:** Geotechnical & hydrogeological investigation
- **Year:** 2019/2020



- **Project:** Balteem and Sadat Landfills
- **Client:** Chemonics Egypt / KfW
- **Task:** Geotechnical & hydrogeological investigation
- **Year:** 2019/2020

Investigation Projects (continued)



- **Project:** Amros Corridor / Bridges
- **Client:** SAMCO
- **Task:** Geotechnical Investigations for onshore and offshore structures
- **Year:** 2020/2021

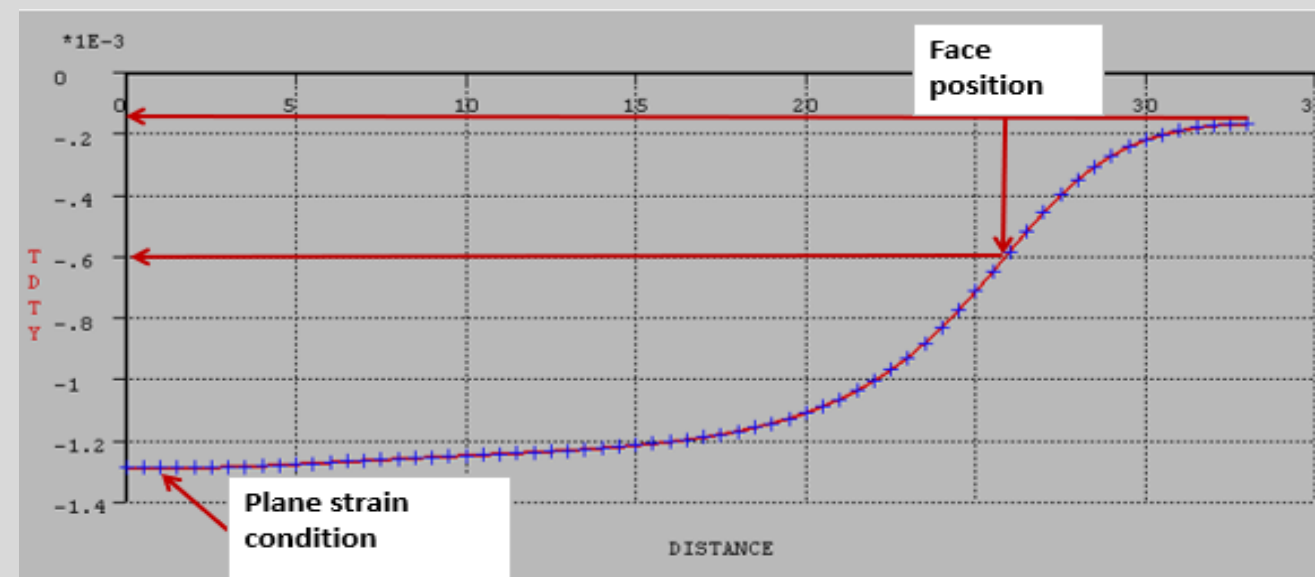
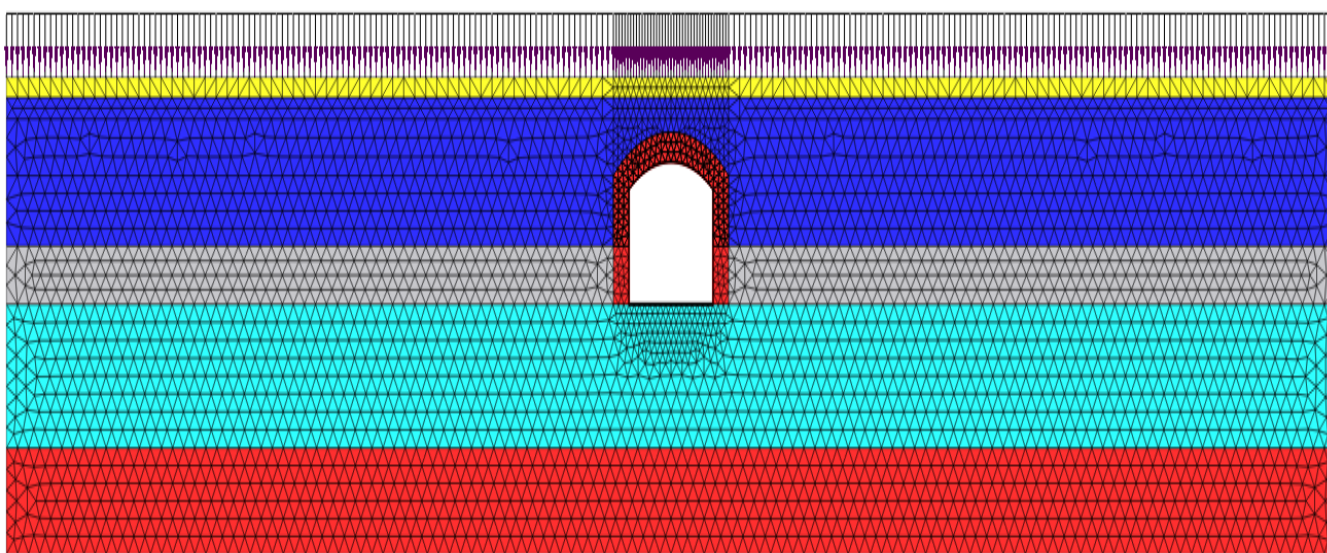
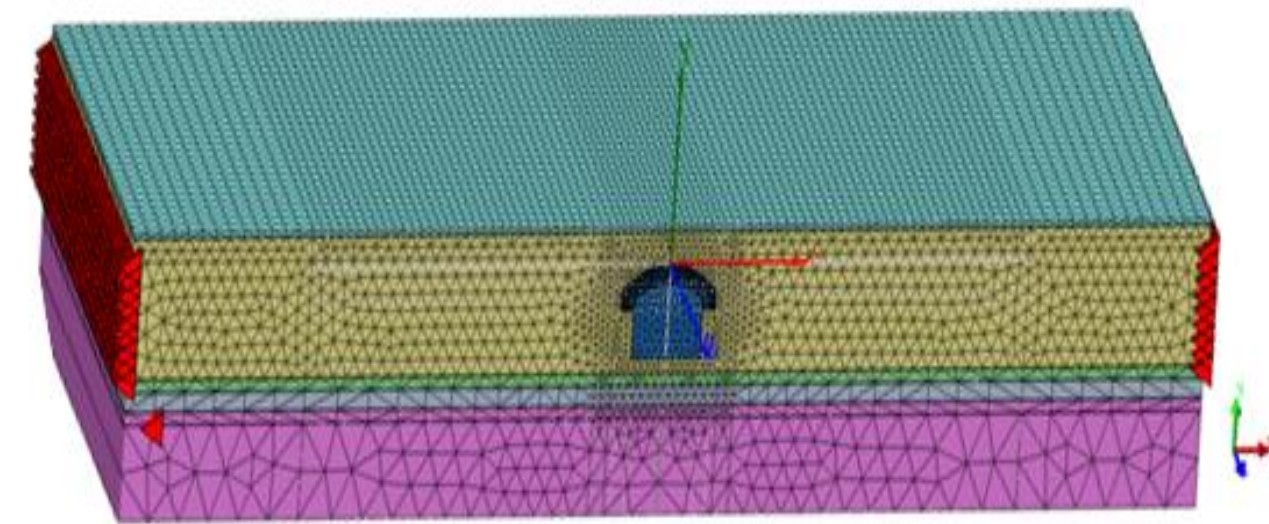
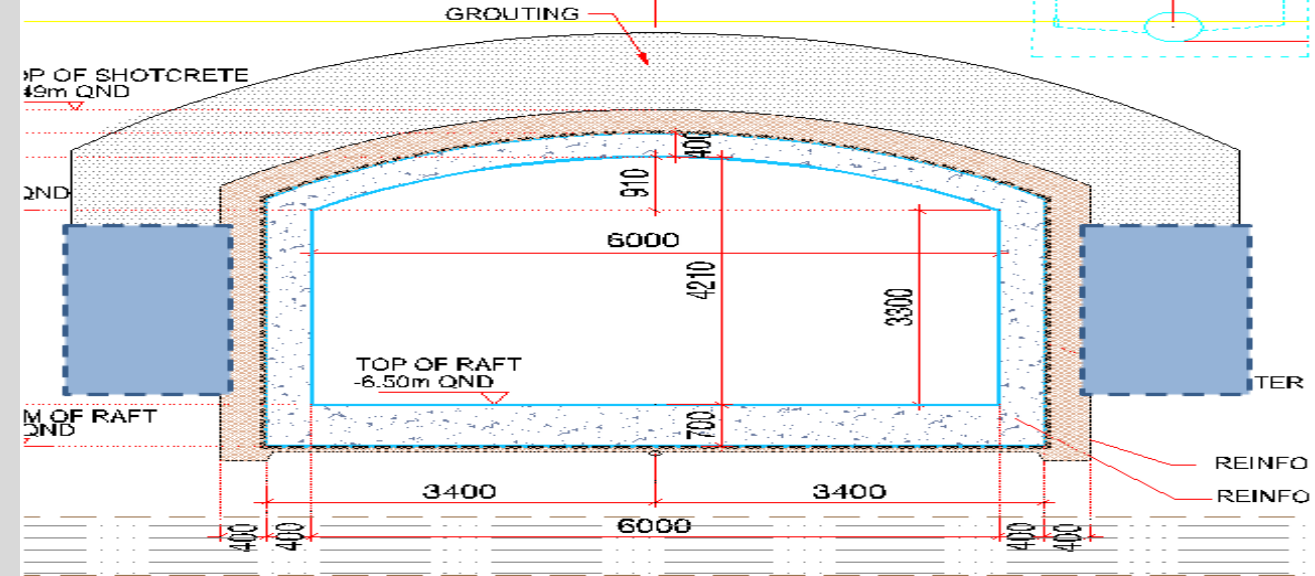
# Offshore Drilling



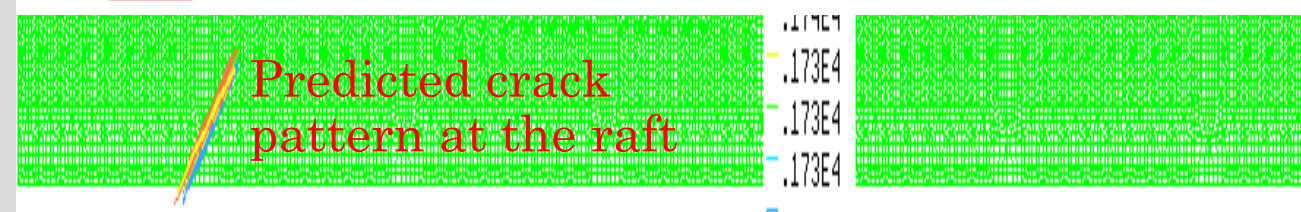
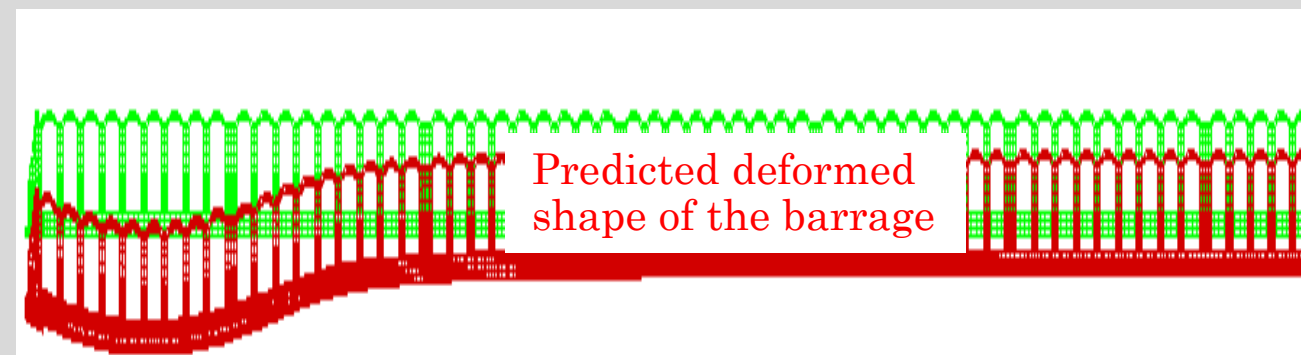
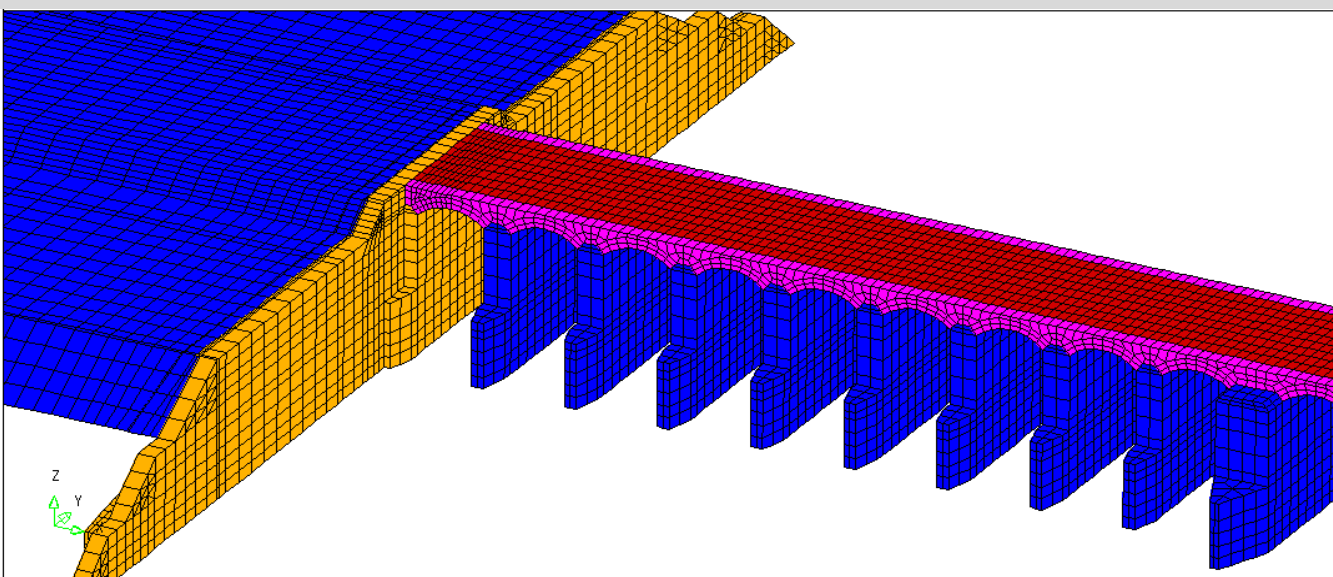
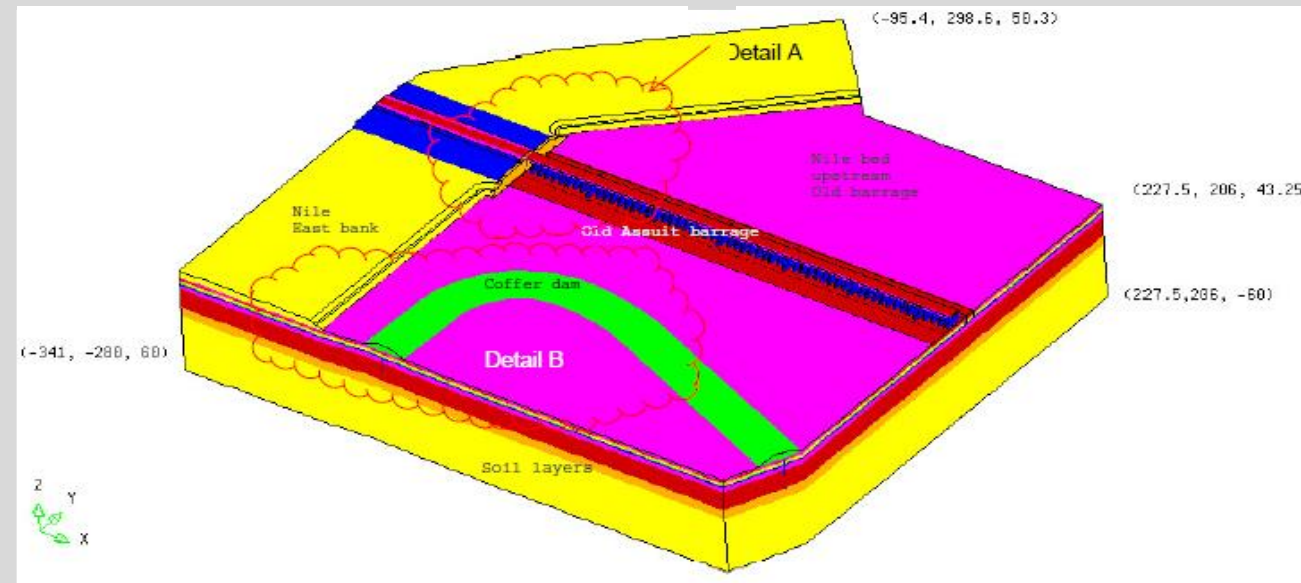
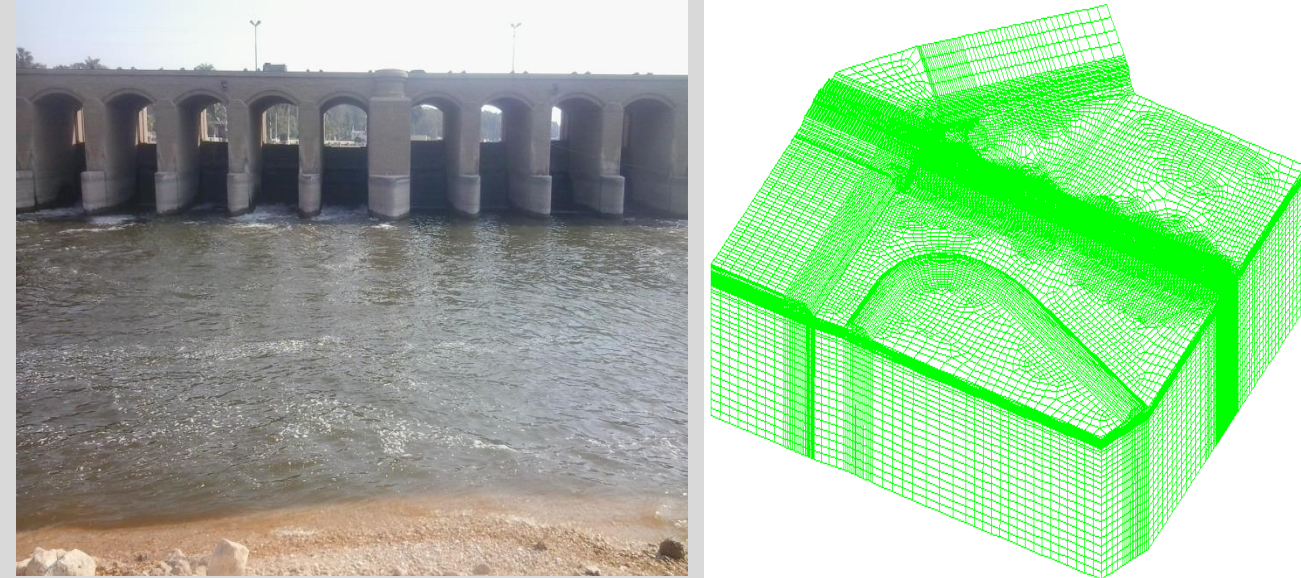
- **Project:** Zayid Dunes/Complex, Sheikh Zayid
- **Client:** Ofoq Developments
- **Task:** Supervision of micro-piling works
- **Year:** 2020

# Rehabilitation Projects

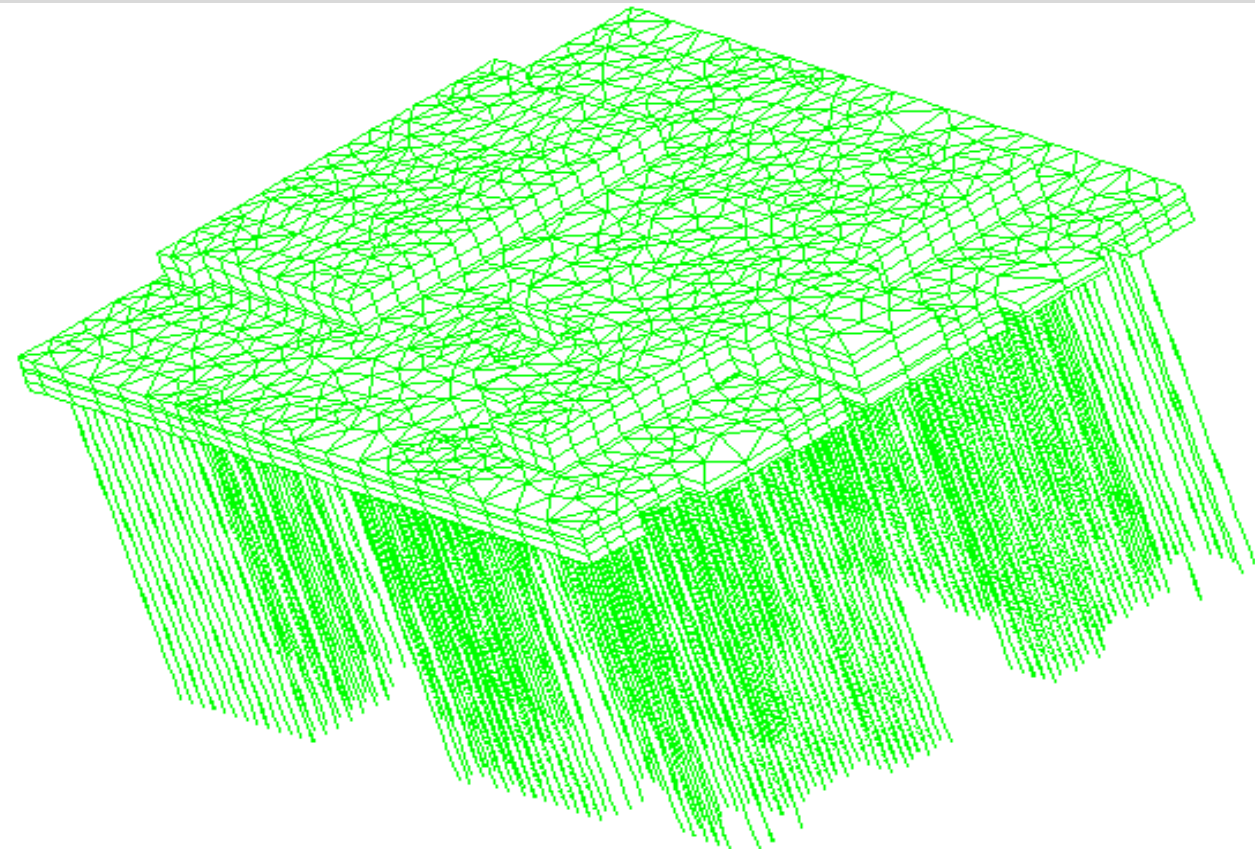
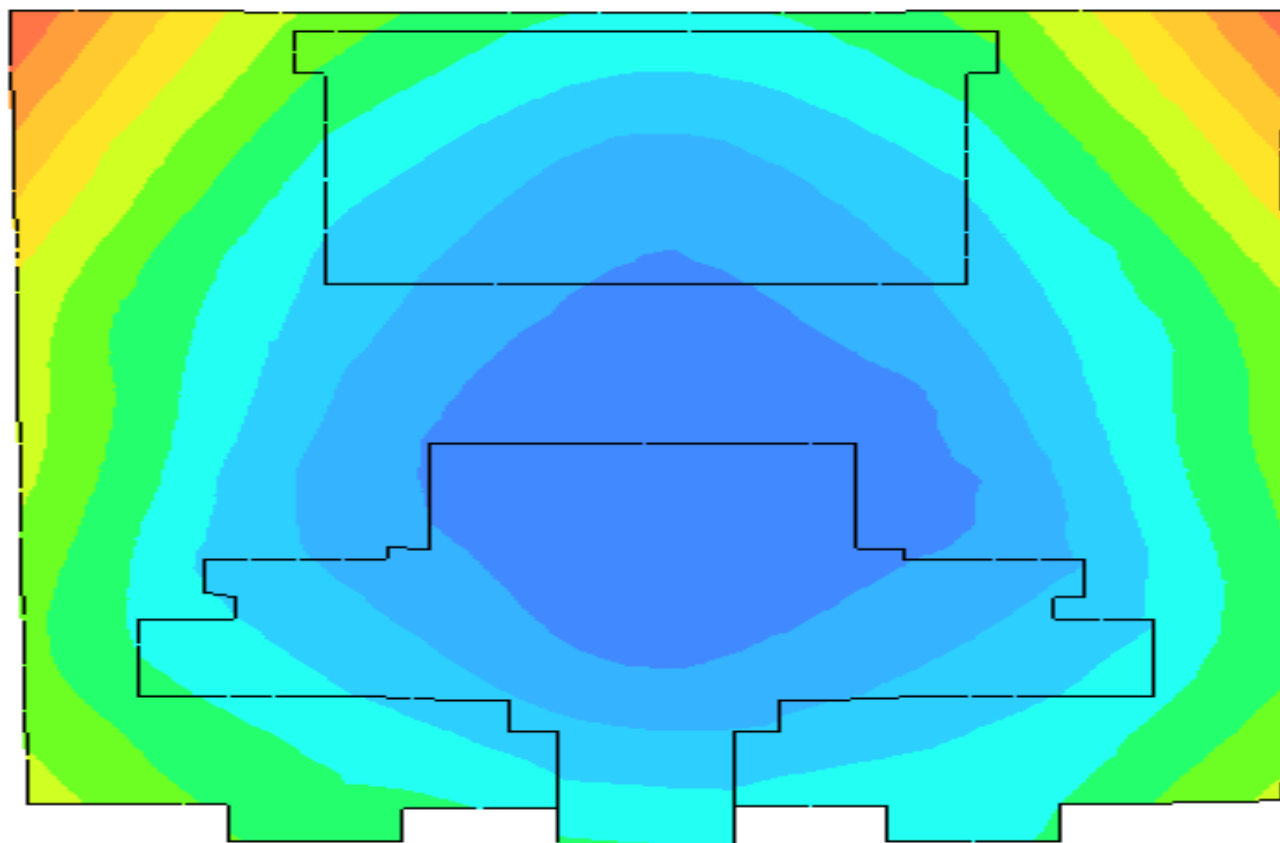
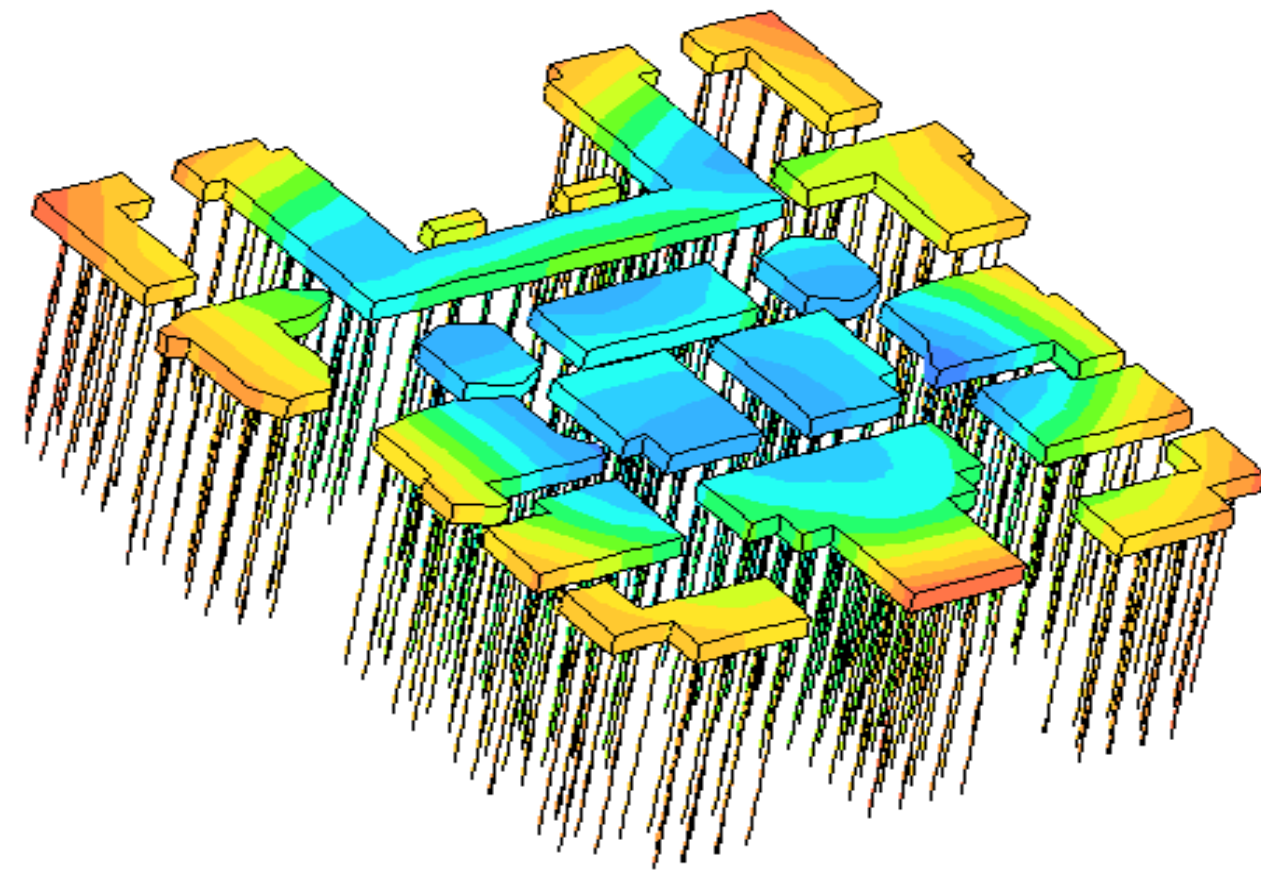
- **Project:** Two Pedestrian Tunnels, El-Doha, Qatar
- **Client:** Misr Consult
- **Task:** Finite Element modeling and value engineering
- **Year:** 2012
- **Description:** In this project, horizontal dewatering & pre-grouting are executed via Horizontal Directional Drilling technique (HDD)



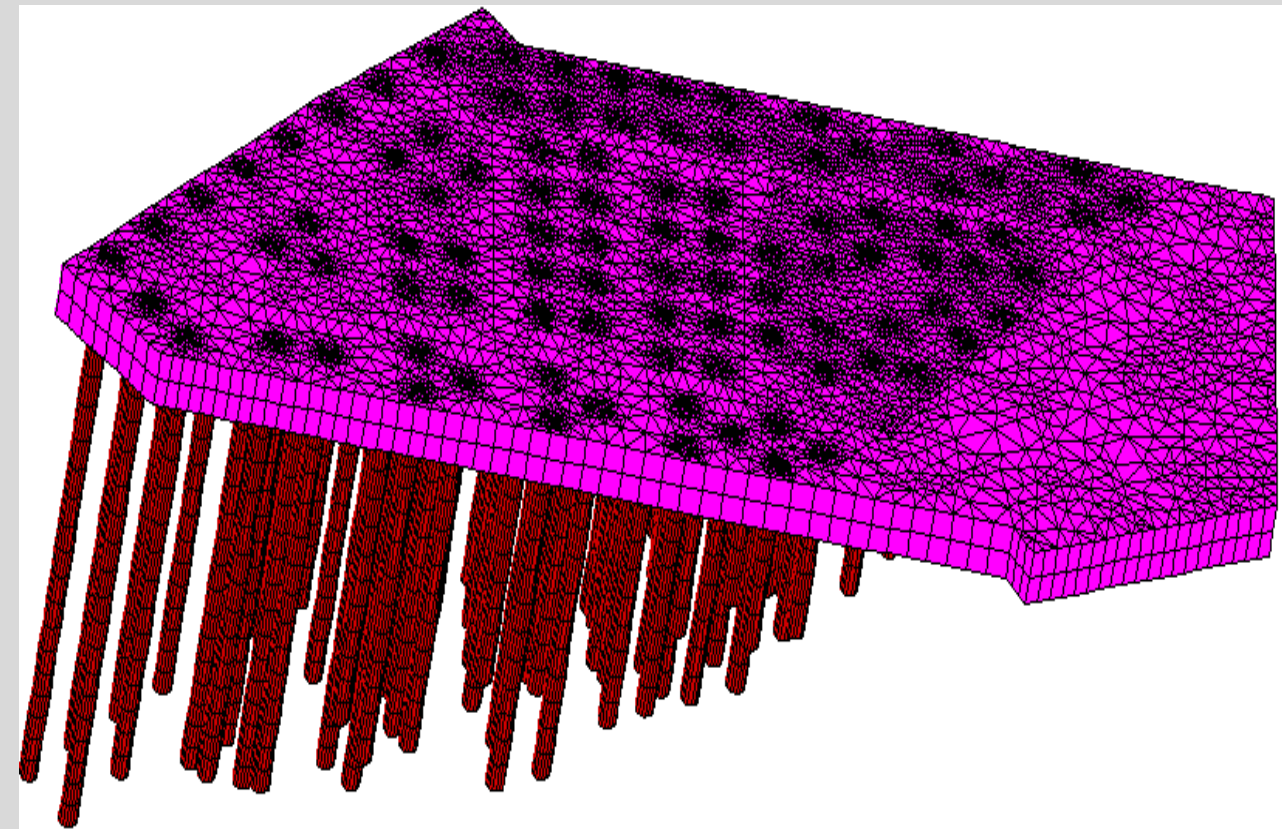
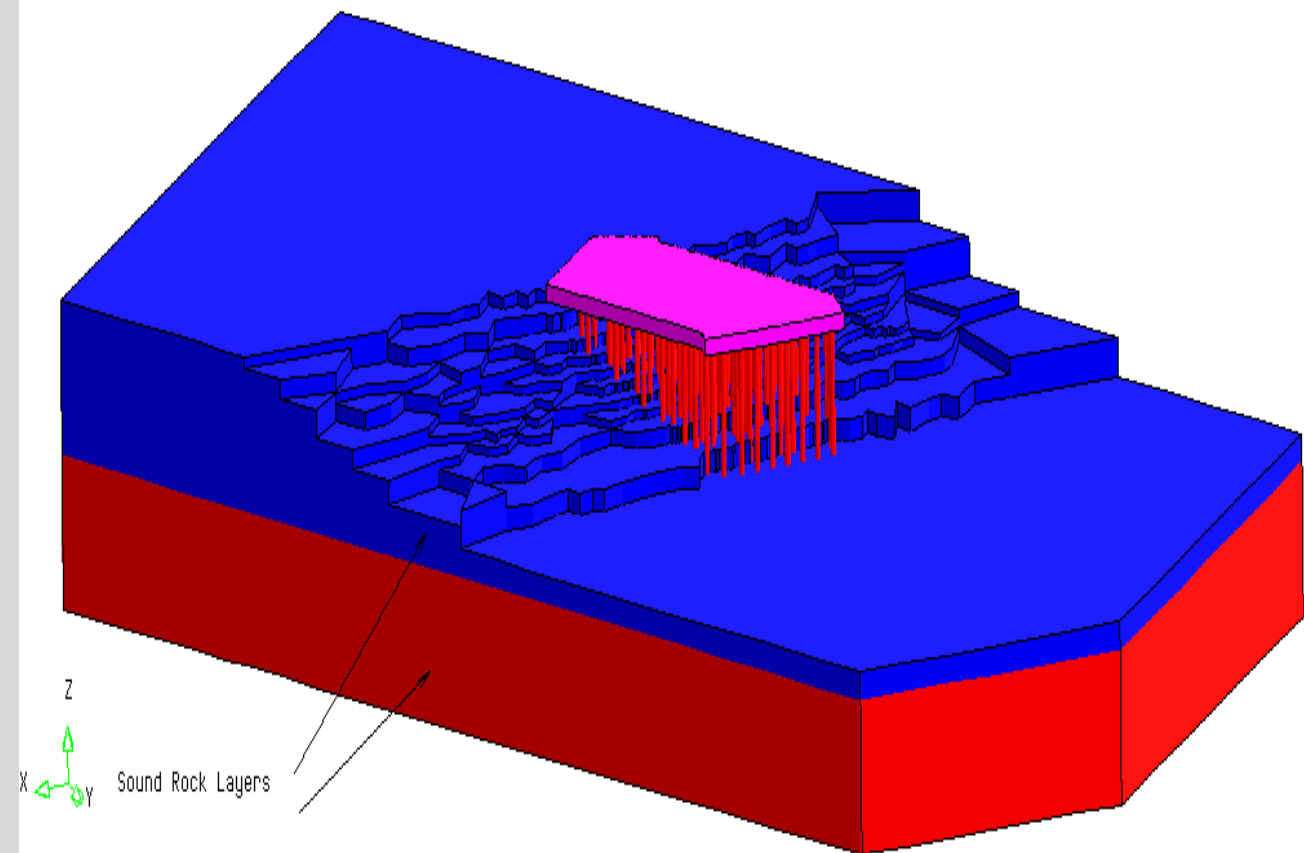
- **Project:** Asuit Barrage, Egypt
- **Client:** VINCI/ Ardaman-ACE
- **Task:** FE Nonlinear Analysis carried out for a Barrage
- **Year:** 2014
- **Description:** Advanced numerical analysis capable to model water flow and proper behavior of Soil, and Concrete & Masonry was conducted. The Analysis permits to predict Deformations & Crack patterns of all structural elements due to the new construction activities.



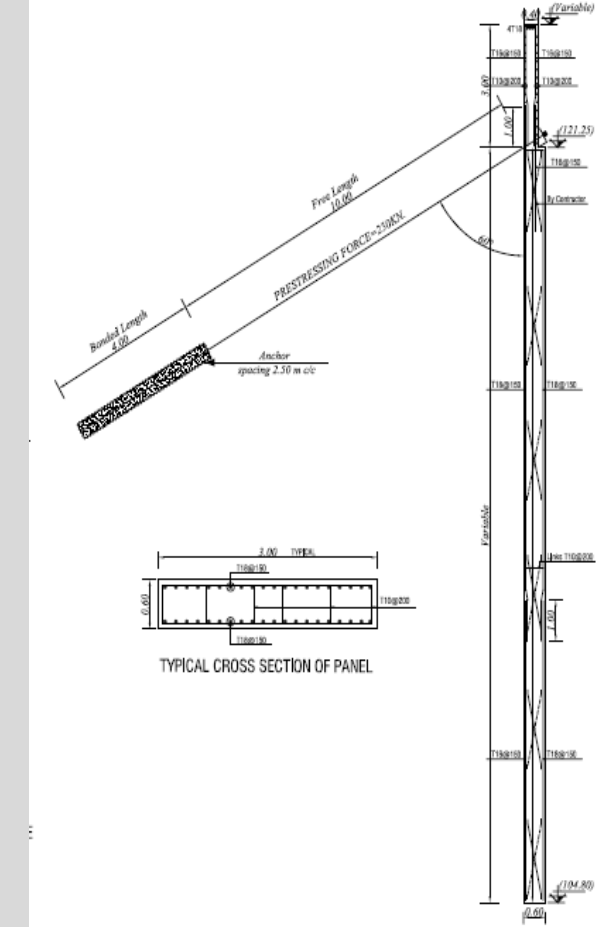
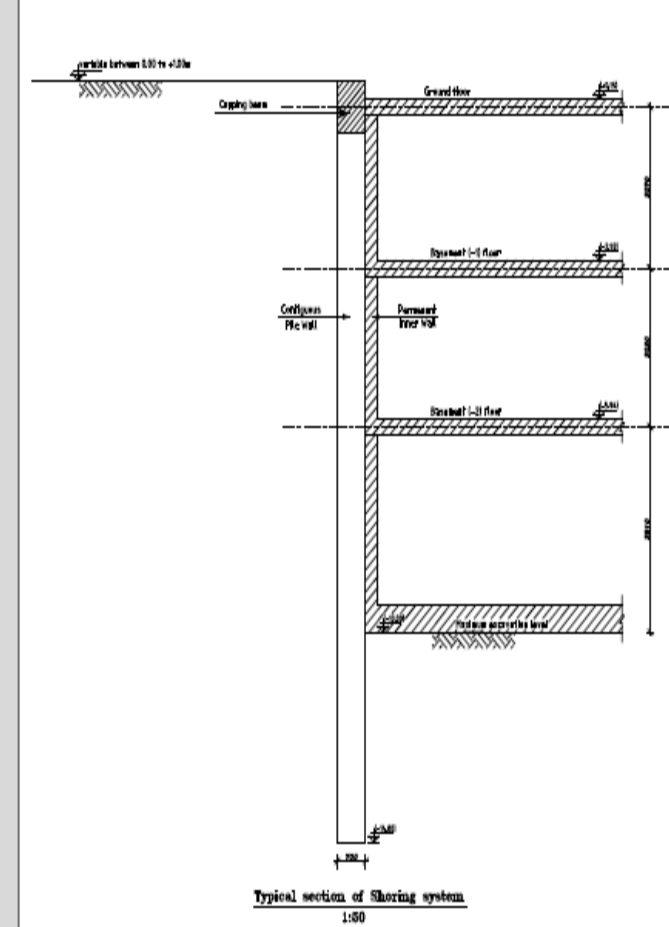
- **Project:** The View Building, Zamalek
- **Client:** Ardaman-ACE
- **Task:** Finite Element modeling for phased analysis for staged construction
- **Year:** 2015
- **Description:** Advanced numerical analysis for phased analysis for Staged Construction accounting for the underpinning of the foundations using micro piles



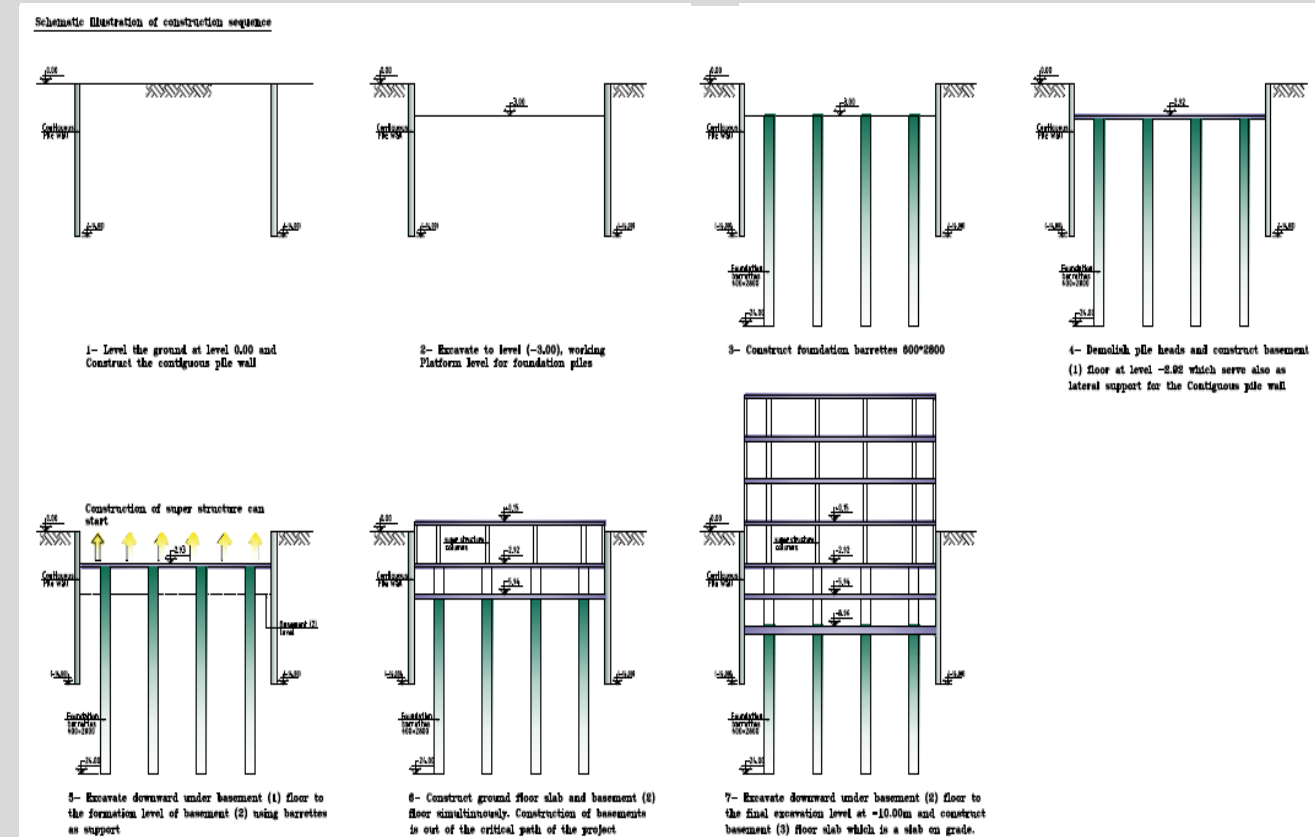
- **Project:** Jabal Omar, Mecca, Saudi Arabia
- **Client:** ACE Saudi Arabia
- **Task:** 3D Finite-element nonlinear of piles
- **Year:** 2013
- **Description:** In this project, a nonlinear finite element model was developed using DIANA for a piled raft resting on variable levels of sound rock



- **Project:** Majarra building, ElSheikh Zayed, Egypt
- **Client:** Golden Consultants
- **Task:** Finite-element modeling and shoring design
- **Year:** 2017
- **Description:** In this project, an anchored diaphragm wall was modeled and designed.

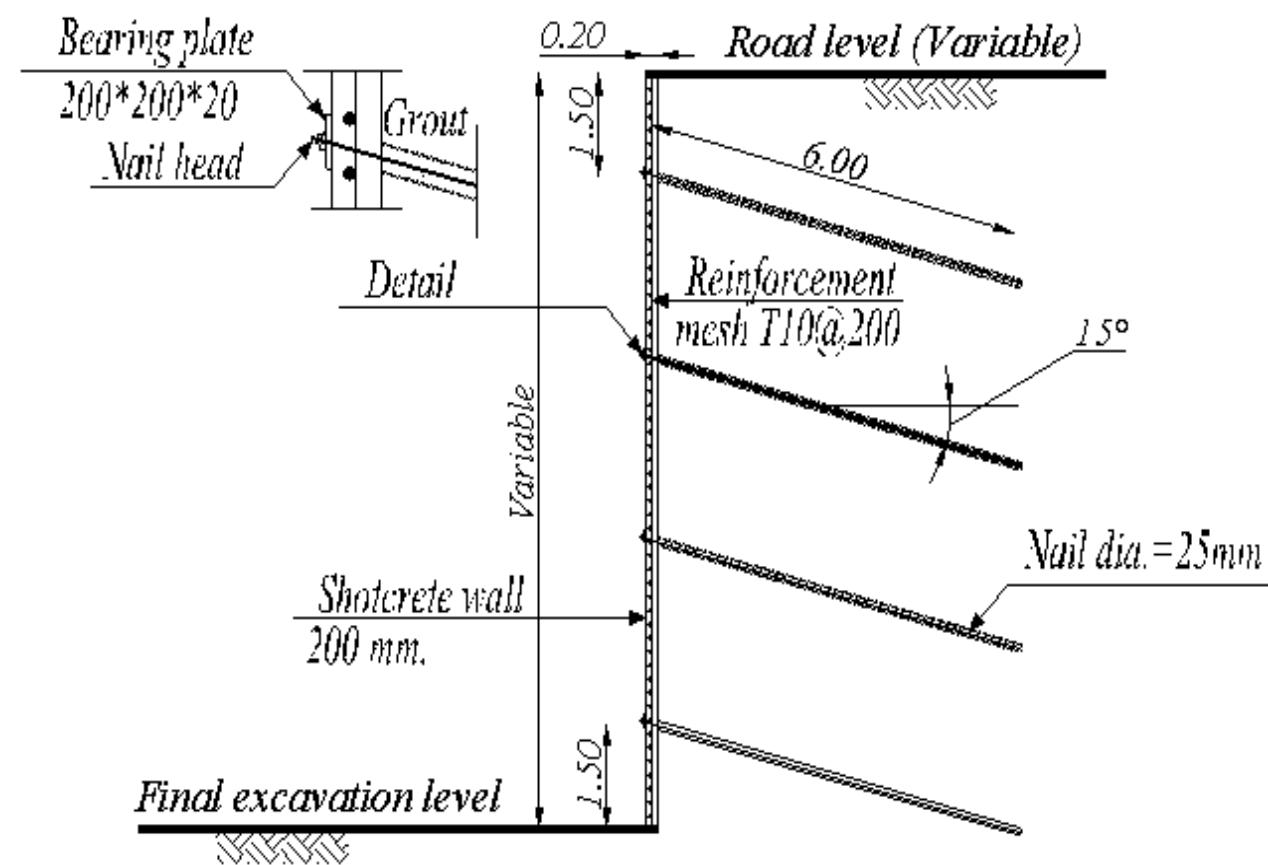


- **Project:** 3 Floor Basements Abbasiya Complex, Egypt
- **Client:** Egyptian Company for Asset Management
- **Task:** Finite-element modeling and shoring design
- **Year:** 2017
- **Description:** In this project, excavation shoring system was designed for a top down construction

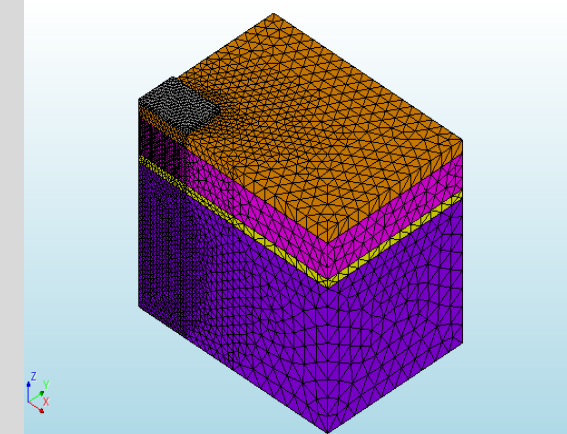
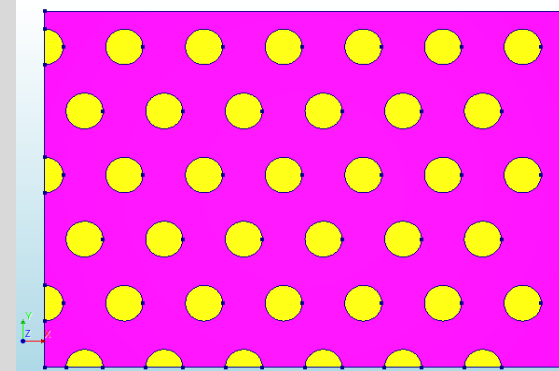
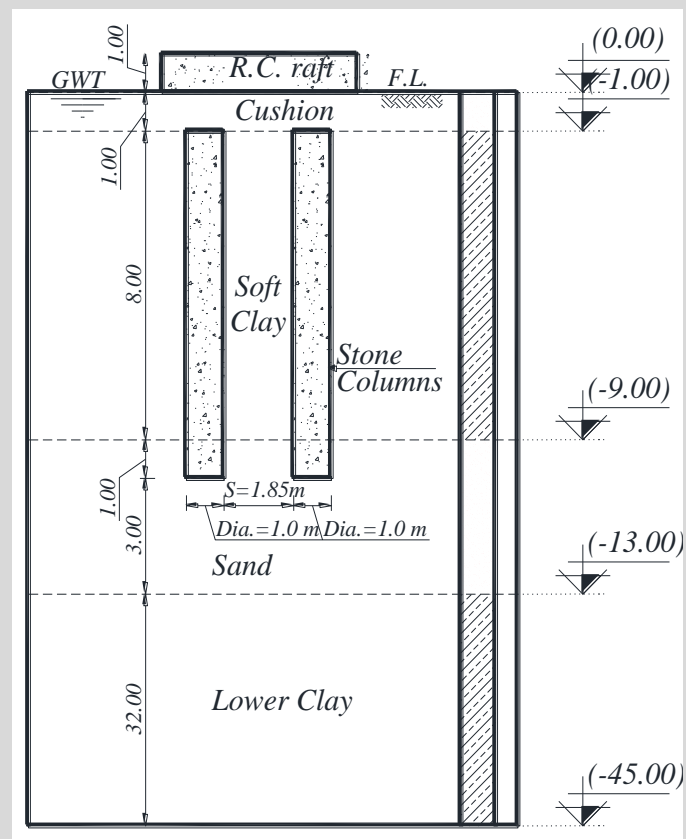


# Design & Modelling Projects

- **Project:** Mobily Building, Abha, KSA
- **Client:** Soil and Foundations Company LTD.
- **Task:** Design of Shoring System (Soil Nail Wall)
- **Year:** 2017
- **Description:** In this project, a soil nail wall shoring system was modeled and designed

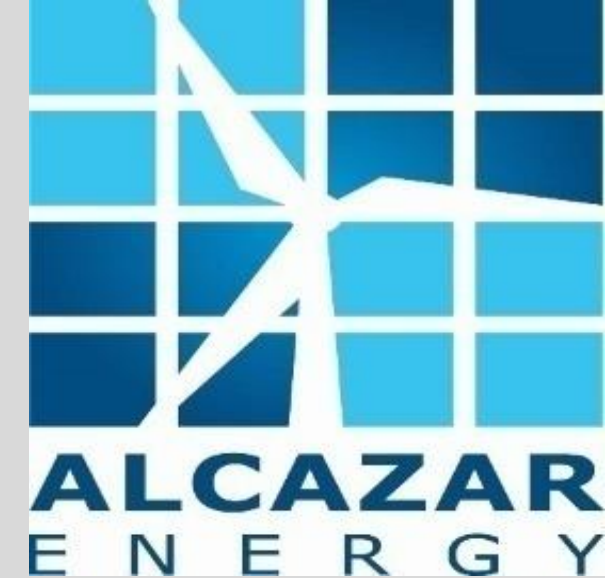
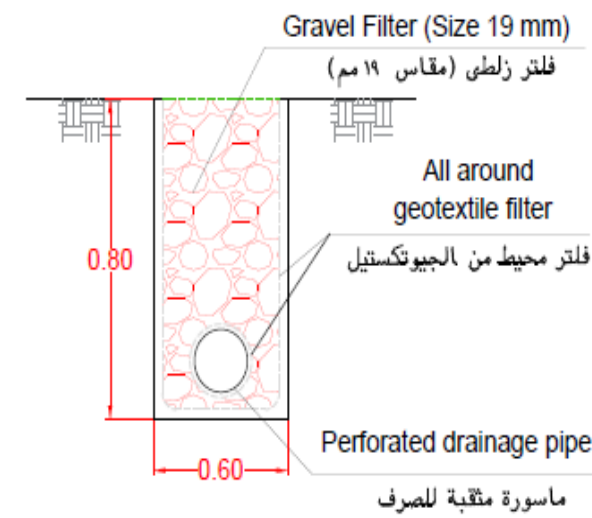


- **Project:** Port Foad Residential Buildings, Egypt
- **Client:** Dr. Adel Hammam
- **Task:** Finite-element modeling
- **Year:** 2017
- **Description:** In this project, a stone column soil improvement system was modeled to estimate the settlement underneath residential buildings

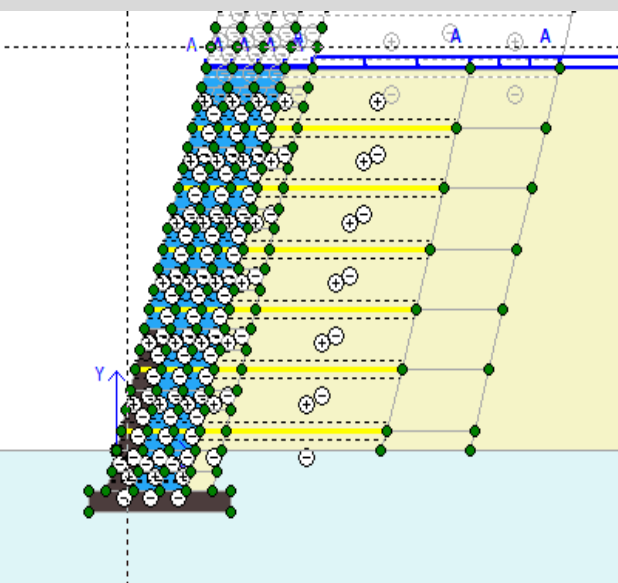
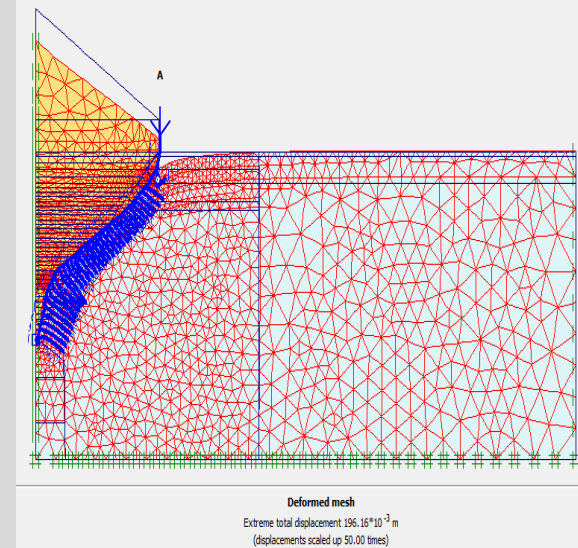


# Design & Modelling Projects

- **Project:** Deraw School, Bemban, Aswan
- **Client:** Alcazar Energy
- **Task:** Design of seepage water control system
- **Year:** 2020



- **Project:** Underground Grain Silos, Minya
- **Client:** Protection
- **Task:** Finite Element modeling to study stability of underground grain silo
- **Year:** 2019



- **Project:** The Groove, Ain Sokhna
- **Client:** LSF, MD Developments
- **Task:** Design, 2D& 3D Modelling and QA/AC of MSW walls for stepped landscape using GEOCELLS
- **Year:** 2019/2020

# Design & Modelling Projects (Cont.)

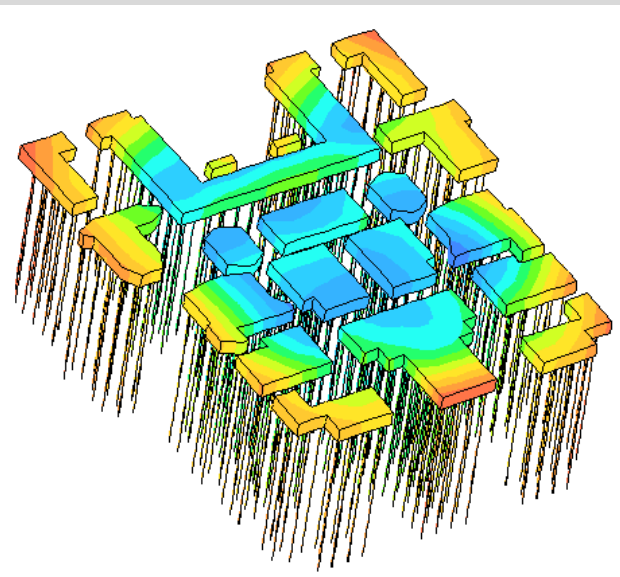
- **Project:** Badya, 6 October
- **Client:** RMC / Palm Hills
- **Task:** Selection of earth retention system + design & modeling of retaining walls
- **Year:** 2019



- **Project:** Taj Sultan
- **Client:** Golden consulting office / Madinet Nasr Development
- **Task:** Inspection of distressed buildings
- **Year:** 2019



- **Project:** Taj City
- **Client:** Golden consulting office / Madinet Nasr Development
- **Task:** Selection of earth retention system + design & modeling of retaining walls
- **Year:** 2020



Geo-Cairo Engineering  
4N & 11D, 1st Neighborhood, Fardous City, 6th of October City, Giza, Egypt  
Tel: +20238859533



guozixiaoxin

| No. | Project   | Client   | Scope   | Country | Year         |
|-----|---|--|---|---------|--------------|
| 1   | Widening of Ring Road project   | Soadaa Group contracors,<br>General Authority for Roads,<br>Bridges and Land Transport | Geotechnical Site<br>Investigations and<br>geological survey. | Egypt   | 2021         |
| 2   | New Alamein Downtown Towers,<br>Cairo, Egypt  | China State Construction and<br>Engineering Corporation (CSCEC)                        | Geotechnical Site<br>Investigations                           | Egypt   | 2021         |
| 3   | The waste to energy electric power<br>plant in Abo Rawash   | Chemonics / Greentech  | Geotechnical Site<br>Investigations                           | Egypt   | 2022         |
| 4   | Various factories and industrial<br>facilities for ELSewedy Electric<br>Company                         | ELSevedy Electric Company  | Geotechnical Site<br>Investigations                           | Egypt   | 2020-present |
| 5   | Widening of Ring Road in<br>collaboration with Geotech-Misr<br>drilling company.                        | SAMCO contracors, General<br>Authority for Roads, Bridges and<br>Land Transport        | Geotechnical Site<br>Investigations                           | Egypt   | 2021         |
| 6   | Various zones under the Participatory<br>Infrastructure Project   | GIZ  | Geotechnical Site<br>Investigations                           | Egypt   | 2021         |
| 7   | Amros Bridge Menofia Governorate<br>in collaboration with Geotech-Misr<br>drilling company.             | Samco contracors, General<br>Authority for Roads, Bridges and<br>Land Transport        | Geotechnical Site<br>Investigations                           | Egypt   | 2021         |
| 8   | Renovation of two schools in Benban -<br>Aswan  | Chemonics / Alcazar  | Construction supervision                                      | Egypt   | 2021/2022    |
| 9   | New Administrative Capital Monorail<br>Project in collaboration with Geotech-<br>Misr drilling company. | Orascom Construction   | Geotechnical Site<br>Investigations                           | Egypt   | 2020-2021    |
| 10  | Sadat Landfill Extension  | Chemonics Egypt Consultants  | Geotechnical Site<br>Investigations                           | Egypt   | 2020-2021    |
| 11  | Balteem Landfill construction   | Chemonics Egypt Consultants  | Geotechnical Site<br>Investigations                           | Egypt   | 2020-2021    |
| 12  | Closure of Al-Wafaa and Al-Amal<br>sanitary Landfill  | Chemonics Egypt Consultants  | Geotechnical Site<br>Investigations                           | Egypt   | 2020-2021    |
| 13  | Topographical survey for MIDILEC<br>power plant in Ameria, Alexandria                                   | PGESCO   | Geotechnical Site<br>Investigations                           | Egypt   | 2020         |
| 14  | Quality Control Program for Iconic<br>tower, Central Business District, New<br>Capital, Egypt           | CSCEC  | QA/QC - material testing                                      | Egypt   | 2019-present |
| 15  | Quality Control Program for D01, D02,<br>D03 towers, Central Business District,<br>New Capital, Egypt   | CSCEC  | QA/QC - material testing                                      | Egypt   | 2019-present |
| 16  | Quality Control Program for D04, D05<br>towers, Central Business District, New<br>Capital, Egypt        | CSCEC  | QA/QC - material testing                                      | Egypt   | 2020-present |
| 17  | Quality Control Program for C01, C04<br>towers, Central Business District, New<br>Capital, Egypt        | CSCEC  | QA/QC - material testing                                      | Egypt   | 2019-present |
| 18  | Quality Control Program for C07, C08<br>towers, Central Business District, New<br>Capital, Egypt        | CSCEC  | QA/QC - material testing                                      | Egypt   | 2019-present |
| 19  | Quality Control Program for B01, B02<br>towers, Central Business District, New<br>Capital, Egypt        | CSCEC  | QA/QC - material testing                                      | Egypt   | 2020-present |
| 20  | Quality Control Program for C09, C10<br>towers, Central Business District, New<br>Capital, Egypt        | CSCEC  | QA/QC - material testing                                      | Egypt   | 2020-present |
| 21  | Al-Galala University  | Dr. Omaima Salah Eldin   | QA/QC - material testing                                      | Egypt   | 2019-2020    |

| No. | Project   | Client                                | Scope   | Country        | Year      |
|-----|---|---------------------------------------|---|----------------|-----------|
| 22  | Construction of mega stores in Polaris industrial complex, the industrial zone, 6th of October city                         | Almorshedy                            | Geotechnical Site Investigations and QA/QC - material testing | Egypt          | 2019-2020 |
| 23  | 500-500 Hospital  | Almarasem International               | QA/QC - material testing                                      | Egypt          | 2019      |
| 24  | Parcel 5 of SODIC EAST New Heleopolis City  | Protection for contracting and design | Geotechnical Site Investigations                              | Egypt          | 2019      |
| 25  | Construction works of the of sustainable transportation project in 6th of October and Sheikh Zayed cities                   | UNDP                                  | Geotechnical Site Investigations and construction supervision | Egypt          | 2018      |
| 26  | Construction works for the project of El-Dawlia factory at October city   | El-Dawlia Company for metal painting  | Geotechnical Site Investigations                              | Egypt          | 2005      |
| 27  | Construction of lotus factory in the industrial zone, new Beni-swaf city  | Lotus company for paper production    | Geotechnical Site Investigations                              | Egypt          | 2018      |
| 28  | Construction of a shopping mall in the 10th of Ramadan city owned by Jordanian company                                      | Jordanian company                     | Geotechnical Site Investigations and QA/QC testing            | Egypt          | 2019      |
| 29  | 13-story building owned by the Egyptian company for railway and transportation projects                                     | Ebid Group                            | Review of the design of side support system                   | Mansura, Egypt | 2009      |
| 30  | Two pedestrian tunnels (Diameter = 7.0 m) at a depth of 3.50 m below ground in Doha, Qatar                                  | MISR Consult, Qatar branch            | Design & Modeling   | Qatar          | 2014      |
| 31  | Simulate the impact of the construction of the new Assiut barrage constructed in the Nile river on the existing old barrage | Ardaman ACE                           | Design & Modeling   | Egypt          | 2014      |
| 32  | Piled-raft foundation system for tower H13B – Jabal Omar development project, Makkah, KSA                                   | ACE-Egypt                             | Geotechnical/Soil-Structure Interaction Applications          | KSA            | 2013      |
| 33  | Piled footings of a 26-story tower located in Zamalek, Egypt  | ACE-Egypt                             | Geotechnical/Soil-Structure Interaction Applications          | Egypt          | 2013      |
| 34  | Mobily technical building, located at king Fahd road, Abha, Aseer, KSA  | SAFCO                                 | Geotechnical/Soil-Structure Interaction Applications          | KSA            | 2012      |
| 35  | Construction of a maritime platform and storage area owned by the national company for river transportation                 | Golden consultants                    | Geotechnical/Soil-Structure Interaction Applications          | Egypt          | 2011      |
| 36  | Construction of an administration building located at plot 6, Champion street, Tahrir square, Cairo                         | Golden consultants                    | Geotechnical/Soil-Structure Interaction Applications          | Egypt          | 2012      |
| 37  | Proposed building of Majarrah Hotel, located at plot 34, 26th of July corridor El-Shiekh Zayed City, Giza Governorate       | Golden consultants                    | Geotechnical/Soil-Structure Interaction Applications          | Egypt          | 2012      |

## **PREVIOUS QUALIFICATIONS**

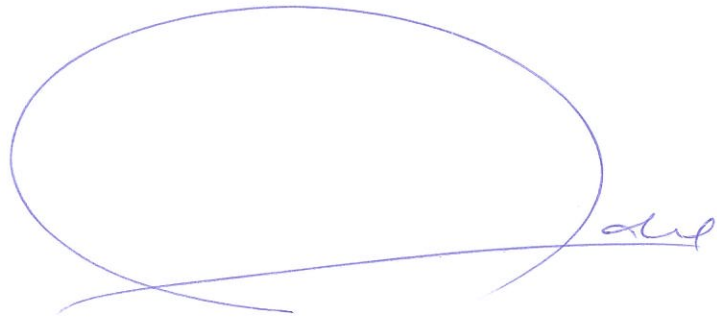


SCA-CSCEC-00-ST-0027-00 GEO-Cairo Engineering  
Package no.: 00

dar's comments

Advise about the quality assurance and control procedures to be used by the lab as well as ISO certificates.

Provide company founding contract and commercial registration



To:  
Business Manager  
CSCEC

Date:  
June 11, 2019

Subject:  
Qualification of GEO-CAIRO Engineering

Contact:  
Dr. Amr Hemada  
Phone: +201110507544  
Email: hemada2002@yahoo.com

Dear Sir:

In response to the comments received from Dar regarding qualifying our office for the CBD projects, please find below our response to Dar's comments:

- 1- Regarding the quality assurance and control procedures, please note that GEO-CAIRO applies the best practices in the work it delivers to its clients. While not ISO certified, GEO-CAIRO has been qualified as a consultant/sub-consultant by several renowned consultants such Arab Consulting Engineers (ACE) and RMC for several large and mega scale projects such as:
  - a. SODIC EAST development project (655 feddans) in New Heliopolis
  - b. Assiut Barrage
  - c. The View Residence Tower in Zamalek
  - d. Badya residential compound (3.000 feddans)
  - e. Rehabilitation of New Safir Hotel
- 2- Regarding safety plan, a site-specific safety plan has been developed and added the resubmitted document
- 3- Regarding the commercial registration and founding contract, please note GEO-CAIRO is founded as an individual establishment under the name of Dr. Ame Hemada. Such establishments can legally function under the Egyptian law without a commercial registration. Instead, a tax (including VAT) registration with name of individual and the commercial brand name (GEO-CAIRO) has taken place and the tax registry card is attached to the submitted documents. GEO-CAIRO an engineering consultancy office has been active and functioning under such arrangement in Egypt and MENA region since 2008. Moreover, the financial statements for GEO-CAIRO cannot be shared as filing for individual establishments include other personal sources of income.
- 4- Regarding the method statement for the subcontracted works, the method statement has been developed and added the resubmitted document.

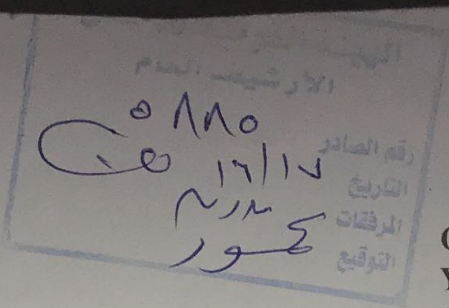
Your understanding is very much appreciated and please do not hesitate to contact the undersigned for any inquires or clarifications.

Sincerely,

Amr Hemada, PhD, C.Eng.

General Manager, Geotechnical and Structural Engineering  
Geo-Cairo Engineering

الهيئة القومية للإنفاق  
NATIONAL AUTHORITY FOR TUNNELS



BOMBARDIER  
osmen Eid  
17/6/2020  
13:45

Our Ref. No. ....  
Your Ref.No. TD/ 1147/905  
Date: 17/6/2020

Messrs.: BOMBARDIER TRANSPORTATION EGYPT  
11 Suleman Abaza Street, ELMohandeseen  
Giza. Egypt.

Attention to: Eng. Ahmed Eldamhory Manager of bombardier transportation in Egypt

Transmittal of APPROVED WITH COMMENTS Documents

“Engineering, Procurement and Construction” of the New Administrative  
Capital City Monorail and 6<sup>th</sup> October City Monorail” (Contract 93/Metro)  
Subject: PREQUALIFICATION OF GEO-CAIRO ENGINEING COMPANY

Dear Sir,

The Client is referring to the Contractor's letter No.93M-BOA-NAT-LOT-00089 dated 13/05/2020 concerning the above-mentioned subject, kindly be informed that Geo Cairo engineering company is approved but the visit for company lab should be arranged in the presence of NAT representatives.

A. Abdelmagal  
مدير  
م. 2020

With Regards.

Yours Faithfully,

Eng. Ahmed H. Khalil  
Head of Studies and Planning Sector

CC:

- NAT/CWD, NAT/FUD
- ORASCOM/ Arab Contractors.

# **SAFETY PLAN**



# TYPE 1 SITE HSSE PLAN

|   |  |
|---|--|
| Prepared by   | Reviewed by                              |
| Mohamed Amr Hemada<br>Geotechnical Project Engineer | Abdullah Galaa<br>Responsible Supervisor |

## PROJECT/SITE INFORMATION

|   |   |  |  |
|---|---|--|--|
| Project Number:   | To Be Determined  | Date plan prepared                                   | December 18, 2021                                  |
| Project Name:   | Marine Geotechnical Investigation for Alexandria Port New Breakwater project  | Responsible Manager:<br>Phone No:<br>(Work & Mobile) | Abdullah Galaa<br>T: +1 01021000247                |
| Client:<br>Contact:<br>Phone No:                                | National Marine Dredging Company (NMDC)                                       |  |  |
| Site Address:<br><input checked="" type="checkbox"/> Attach Map | Alexandria Port Alexandria Governorate, Egypt                                 | Date of Work:  | To be determined (over December 2021 January 2022) |
| Geo-Cairo Field employees:                                      | Ezzat Saber, Mohamed Hemada   |  |  |
| Start date:<br>(include travel)                                 | TBD   | Finish date:   | TBD  |
| Heritage or cultural issues:                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Comments: |  |  |
| Other Details:  |   |  |  |

## OBJECTIVES AND SCOPE OF WORK

Note: Where scope of work changes, the Site HSSE Plan must be updated and reapproved.

|   |
|---|
| Objective: <i>Detail the purpose of the field work</i>        |
| Geotechnical investigation – field testing                    |
| Scope: <i>Detail the field work tasks</i>                     |
| Geotechnical investigations including drilling, and testing   |
| Attach site map identifying exits and emergency muster points |

## EMERGENCY RESPONSE

|  |   |   |   |
|--|---|---|---|
| Emergency: Police, Ambulance, Fire Brigade | <b>122, 123 and 180</b>   | Location of First Aid Kit/s:  | <b>Car of Site Supervisor</b>   |
| Gas:                                       | 129   | Location of Spill Kits:   | <b>Car of Site Supervisor/Drilling Rig</b>  |
| Water                                      | 125   | Location of Fire Extinguishers:   | <b>Car of Site Supervisor/ Drilling Rig</b>   |
| Electricity:                               | 121   | EPA/ Pollution Response:  | <b>Car of Site Supervisor</b>   |
| Telecommunications                         | 111   | Names and contact numbers for First Aiders:                                     | Ezat Sabry<br>+20 102 131 0239  |
| Site Emergency number:                     | <b>122</b>  |   |   |
| Emergency travel assistance                | N/A (when >100km from office)                                     | Nearest Hospital with Emergency Department: <input type="checkbox"/> Attach Map | <b>Al Qabary Hospital</b><br>Al Amir LooLoo, Qabary, Mina Albasal, Alexandria Governorate<br>Phone: +2034408607 |
| Emergency Response Details*                | <b>Stop Work, Call 122, Call Geo-Cairo Responsible Supervisor</b> |   |   |

## TRAVEL, ACCOMMODATION AND COMMUNICATION

|                        |  |
|------------------------|--|
| Distance from office:  | 240 km                                   |
| Estimated travel time: | 2.5 hrs                                  |
| Vehicle requirements:  | A vehicle will be provided by the office |

|  |
|--|
| Accommodation: Accommodation will be provided no more than 30 mins driving from the site |
| <input type="checkbox"/> arrange own accommodation                                       |

## SUBCONTRACTORS

|          |          |          |  |
|----------|----------|----------|--|
| Company: | TBD      | Contact: |  |
| Role:    | Drilling | Phone:   |  |

|                       |  |
|-----------------------|--|
| Meeting arrangements: |  |
|-----------------------|--|

Is subcontractor on Service Line Specific Approved Supplier List?  Yes,  No

|                       |     |          |  |
|-----------------------|-----|----------|--|
| Company:              | N/A | Contact: |  |
| Role:                 |     | Phone:   |  |
| Meeting arrangements: |     |          |  |

Is subcontractor on Service Line Specific Approved Supplier List?  Yes,  No

### SITE INDUCTION

The Responsible Supervisor shall ensure that a Site Induction is conducted for all employees performing work.

|  |                           |
|--|---------------------------|
| Is a Client Induction required at the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |                           |
| If yes, date/ time:  | Contact person and phone: |
| Location:  |                           |
| Have contractors been engaged for this field work? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |                           |
| If 'Yes' Geo-Cairo is required to provide a site induction for the contractors, Contractor documentation shall be reviewed during the site induction by the Responsible Supervisor |                           |

### HAZARD IDENTIFICATION, ASSESSMENT AND CONTROL

Ensure adequate information is obtained to sufficiently assess hazards of the site (contact client and Geo-Cairo Responsible Supervisor).

| Hazard   | Comments / Details | Controls to be attached:  |
|--|--------------------|---|
| <input type="checkbox"/> Working Alone                   |                    | <input type="checkbox"/> Site Walkover <input type="checkbox"/> Site Investigations   |
| <input type="checkbox"/> Manual Work                     |                    | <input type="checkbox"/> Pre work vehicle checklist <input type="checkbox"/> Daily pre start site safety  |
| <input checked="" type="checkbox"/> Travel               |                    | <input type="checkbox"/> Weekly vehicle checklist <input type="checkbox"/> Subcontractor safety plan/s  |
| <input checked="" type="checkbox"/> Extreme Heat/ Cold   |                    | <input type="checkbox"/> Others (list): <input type="checkbox"/>  |
| <input checked="" type="checkbox"/> Sun stroke / sunburn |                    | <input type="checkbox"/>  |
| <input checked="" type="checkbox"/> Noise                |                    | <input type="checkbox"/>  |
| <input checked="" type="checkbox"/> Dust/ Odour/ Air     |                    |   |
| <input type="checkbox"/> Site Restoration                |                    |   |
| <input type="checkbox"/> Ground Contaminates             |                    | <b>PPE Required:</b> <input checked="" type="checkbox"/> Safety Boots <input type="checkbox"/> Gloves   |
| <input type="checkbox"/> Fuel/ Chemicals                 |                    | <input type="checkbox"/> Safety Glasses <input checked="" type="checkbox"/> Hard Hat  |
| <input type="checkbox"/> Flora and Fauna                 |                    | <input checked="" type="checkbox"/> High Visibility Vest <input type="checkbox"/> Sun hat / screen <input checked="" type="checkbox"/> Hearing protection |
| <input checked="" type="checkbox"/> Traffic              |                    | <input type="checkbox"/> Long sleeves/ pants  |
| <input type="checkbox"/> Moving Plant                    |                    | Other:  |
| <input type="checkbox"/> MSDS (list):                    |                    |   |

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Check the required PPE for the task:

| PPE   | Remarks                              |
|---|--------------------------------------|
| <input checked="" type="checkbox"/> Hard hats                           |                                      |
| <input checked="" type="checkbox"/> Foot protection                     | steel toe boots                      |
| <input type="checkbox"/> Hand protection                                |                                      |
| <input type="checkbox"/> Work pants and work shirts                     |                                      |
| <input type="checkbox"/> Face and/or eye protection                     |                                      |
| <input checked="" type="checkbox"/> Hearing protection                  | only when close to rigs              |
| <input checked="" type="checkbox"/> Reflective/high-visibility garments | reflective and bright vests required |

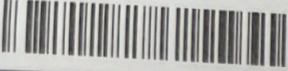
### ATTACHMENTS

The following documents shall be attached to this Site HSSE Plan as required:

|  |
|--|
| <input type="checkbox"/> Completed Environmental Safe Work Method Statements |
| <input checked="" type="checkbox"/> Site Map                                 |
| <input type="checkbox"/> Nearest hospital map                                |
| <input type="checkbox"/> MSDS  |

## LEGAL DOCUMENTS





مستخرج من السجل التجارى رقم: ١٠٥١٦ (توصية بسيطة-مركز عام - عدد الفروع ١)  
الرقم القومى للمنشأة: . الرقم الموحد للسجل التجارى (١٠٥١٦ . . . . . ١١٠٧٠)  
أى كشط أو شطب أو تعديل يلغى هذه الوثيقة

وزارة التموين والتجارة الداخلية  
جهاز تنمية التجارة الداخلية  
الإدارة المركزية للسجل التجارى  
مكتب سجل تجارى استثمار ٦ أكتوبر

| <p>هامش</p>                         | <p>(أ) الاحكام و القرارات الصادرة بتوقيع الحجز على التاجر او بتعيين القامة و الوكلاء عن الغائبين<br/>بحزلهم او برفع الحجز<br/>(ب) الاحكام و الأوامر المتطقة بالانلاس<br/>(ج) احكام اعادة الاعتبار<br/>(د) الاحكام الصادرة بالطلاق او التفريقه الجسمانية او المالية و القرارات الصادرة باعطاء الاذن للتاجر بالاجار او الغائه او الحد منه<br/>(هـ) احكام فصل الشركاء او عزل المديرين واحكام حل الشركات او بطلانها وتعيين المصفين او عزلهم<br/>(و) البيانات المتعلقة ببيع المحل التجارى او رهنه طبقا للقانون رقم ١١ لسنة ١٩٤٠</p> | <p>رقم التسجيل:<br/>(أ) النظام المالى الذى حصل الزواج<br/>على مقتضاه<br/>(ب) الاهلية التجارية<br/>(ج) كل عقد يقضى بحل الشركة او وضعها تحت التصفية</p> | <p>المحال التى كانت للتاجر سابقا<br/>(ب) المحال التى تكون له:<br/>١- فى دائرة نفس المكتب<br/>٢- فى دائرة مكاتب اخرى</p> | <p>(أ) مقدار رأس المال المستثمر فى المحل الرئيسى للتاجر والفروع والوكالات التابعة له<br/>(ب) مقدار رأس مال الشركة او الجمعية التعاونية<br/>١- المبالغ المؤداة منه<br/>٢- مبالغ تعهد الشركاء بأدائها<br/>٣- مقدار حصة الشركاء الموصين<br/>٤- قيمة الحصص العينية ان وجدت<br/>(ج) رصيد الفرع المدين للمركز العام للشركة</p> | <p>(أ) الوكلاء المفوضون<br/>(ب) مدير الفرع او الوكالة<br/>واسم و لقب كل منهم<br/>تاريخ و محل ميلاده و جنسيته</p>   |                      |
|-------------------------------------|--|---|---|--|--|----------------------|
| <p>(١٤)<br/>٢٠٢١/٠٦/٢٩ ٤٥٨٣ [١]</p> | <p>(١٣)</p>  | <p>(١٢)</p>   | <p>(١١)</p>   | <p>(١٠)</p>  | <p>(٩)<br/>(ب)<br/>مقدار رأس المال ٥٠٠٠٠٠<br/>جنيه مصرى فقط خمسمائة ألف<br/>جنيه مصرى لاغير<br/>٣- مقدار حصة الشركاء<br/>الموصيين ٤٧٥٠٠٠ جنيه<br/>مصرى فقط أربعمائة وخمسة<br/>وسبعون ألف جنيه مصرى لاغير<br/>*****</p> | <p>(٨)<br/>*****</p> |



اسم طالب المستخرج سحرفتحى عثمان السيد

وقد سددت الرسوم (خلاف مقابل التميز) وقدرها : ١٠٥ جنيه بموجب قسيمة ٠٥٩٩٩١٤ مجموعة فى ٢٧/٠٦/٢٠٢٢

إصدار مكتب ٦ أكتوبر المميز تحريراً فى ٢٧/٠٦/٢٠٢٢ مسئول الطباعة نجوى يس حساتين احمد

\*\* يمكن الحصول على خدماتنا الكترونياً عبر موقعنا <http://www.itda.gov.eg/cra> \*\*







نموذج (٣) ض. ق. م.

## تتهادة تسجيل الضريبة على القيمة المضافة

الضريبة  
القيمة  
المضافة  
%  
VALEUR AJOUTÉE TAX

منطقة جنوب الجيزة  
مأمورية مدينة ٦ أكتوبر  
العنوان: الحى المتميز - ٦ أكتوبر المجاورة ٤ عمارة ١١  
هذه شهادة مئاة بأن سحر فتحى عثمان السيد وشريكها جيو كايرو انجنيرنج

العنوان: ١١ دمج ١ مدينة الفردوس ٦ أكتوبر الجيزه  
قد تم تسجيله وفقاً لنصوص قانون الضريبة على القيمة المضافة

تحت رقم: ٤٢٩ - ٤١٨ - ٥٨٢

وذلك اعتباراً من: ٢٥-٦-٢٠٢٠

تحريراً فى: ٠٦-٠٩-٢٠٢٠

ايناس اسمايل



رئيس قسم

حارث

٢٧٠٥٨٦

٢٠١٦

مديرة إدارة

ناهض

٢٠١٦

رئيس المأمورية

٥٠٢

