

www.abcg.com.eg

159, 26th of July St., Zamalek,
Cairo, Egypt

ABCG Corporate Overview

2007

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ABCG is an Integrated Engineering and Financial Consulting and Project Management Group formed of 8 departments that was established in 1993

Pre-bid stage

- ABCG is involved in the pre-bid stage in the following instances
 - Consultant for the owner for the preparation of the tender.
 - Initial investigation and surveys.
 - Specification preparation
 - Complete design
 - Valuation of the assets and real estate appraisal for the companies for bidding during merger and acquisition stage.
 - Asset appraisal for the banks and companies at project evaluation whether for credit approval or other requirements.

Bidding stage

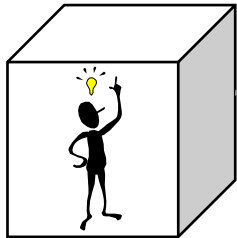
- ABCG acts in some cases as the owner technical and financial consultant, bidders consultant or as Project manager to perform EPC contract
 - For the Owner, answering questions by bidders and evaluation of tenders submitted by the bidders.
 - In case of consultant for the bidder, suggestion of different techniques that fit within the capabilities of the bidder and at a competitive price.
 - In case of EPC, present the best price including first class project management capabilities.

Implementation stage

- ABCG acts as the Owner consultant, Contractor's consultant, Project Manager or EPC
 - As owner consultant, acts as site supervision to insure the implementation of the project as presented in the tender documents.
 - As applicator/contractor consultant, acts to suggest solutions to solve on site problems and suggest the best method to insure the implementation at the best price and timing.
 - As EPC, acts as project manager either sourcing subcontractors for specialized works or source equipment and supervise the workers to perform the works under the project manager supervision.

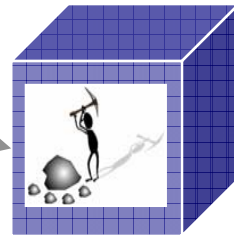
Working with Owners and Contractors, ABCG builds a comprehensive and highly flexible implementation and project ideas for the different projects

Business Innovation



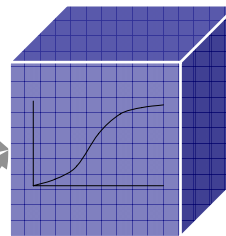
- Presents several ideas
- Choose some ideas to be implemented
- Ideas are discussed within the group heads and with the owner or contractor
- Choice of few ideas to be further discussed and studied.

Idea Development



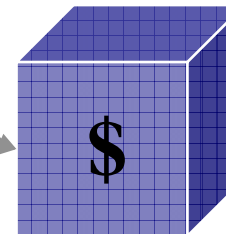
- The chosen ideas are further studied in details within the different groups.
- Engineering and financial implementation details are studied and presented.

Idea Forecast



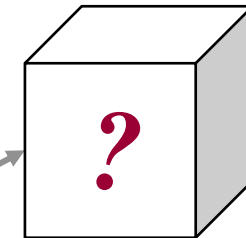
- Resources required.
- Equipment required.
- Reaching the required period of implementation of the idea.

Financial Assessment

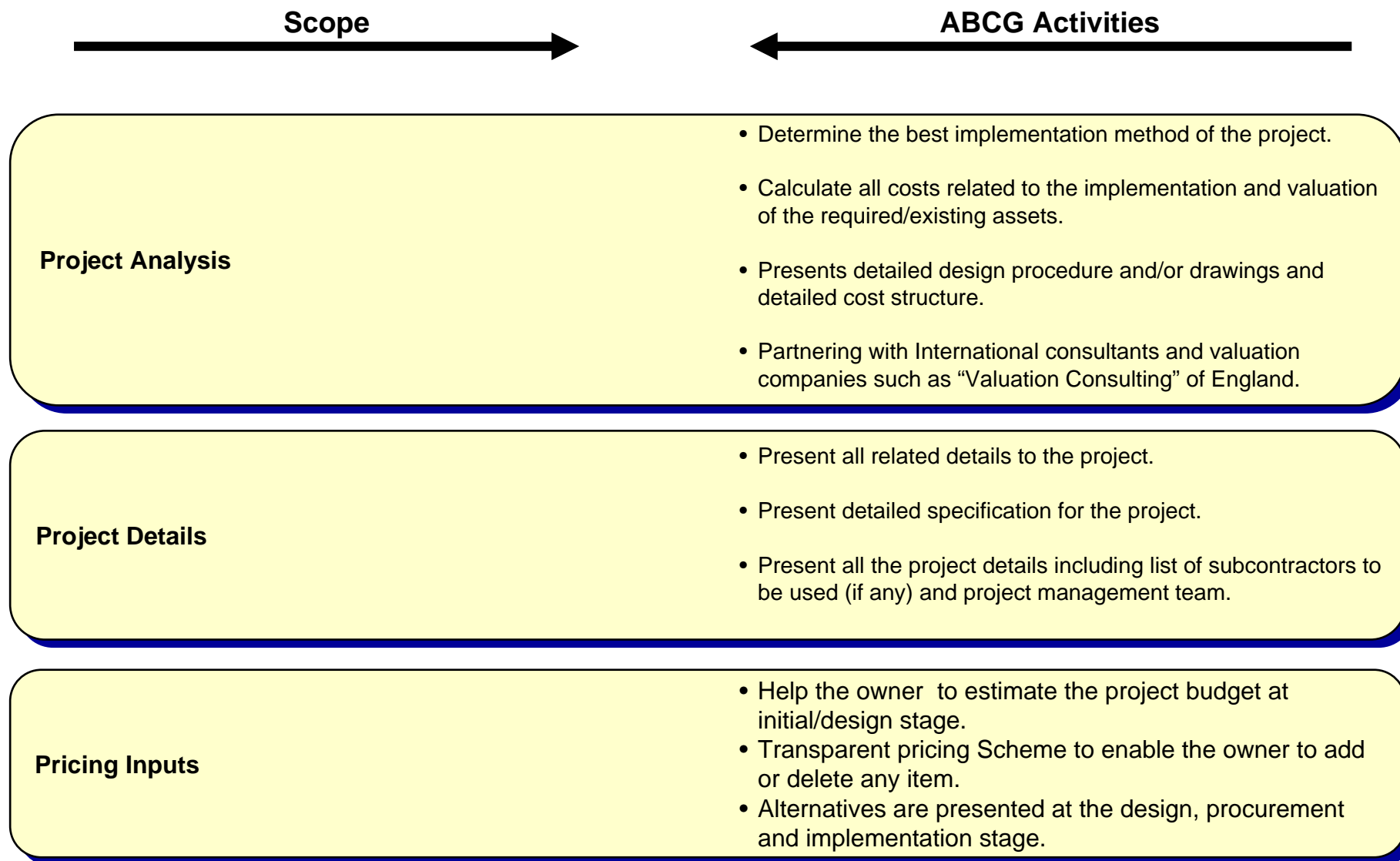


- Operating expenses
- Valuation and Appraisal
- Capital expenditures
- Implementation expenses
- Transforms to the costing.
- Financing structure
- Financing sources

Investment Decision

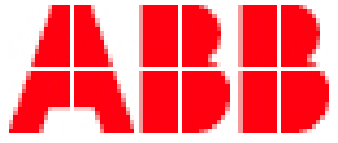


ABCG develops a detailed assessment of the project

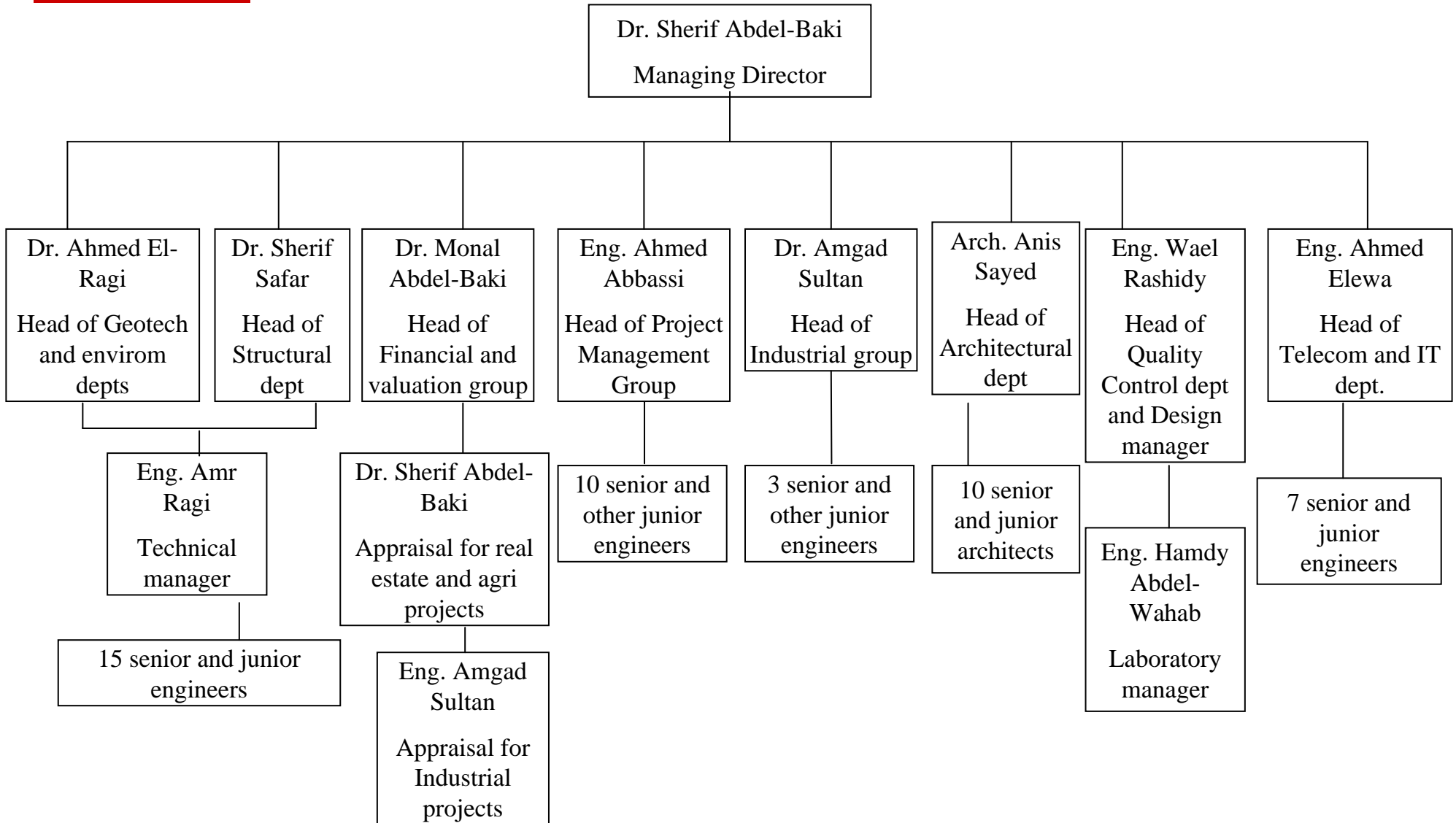


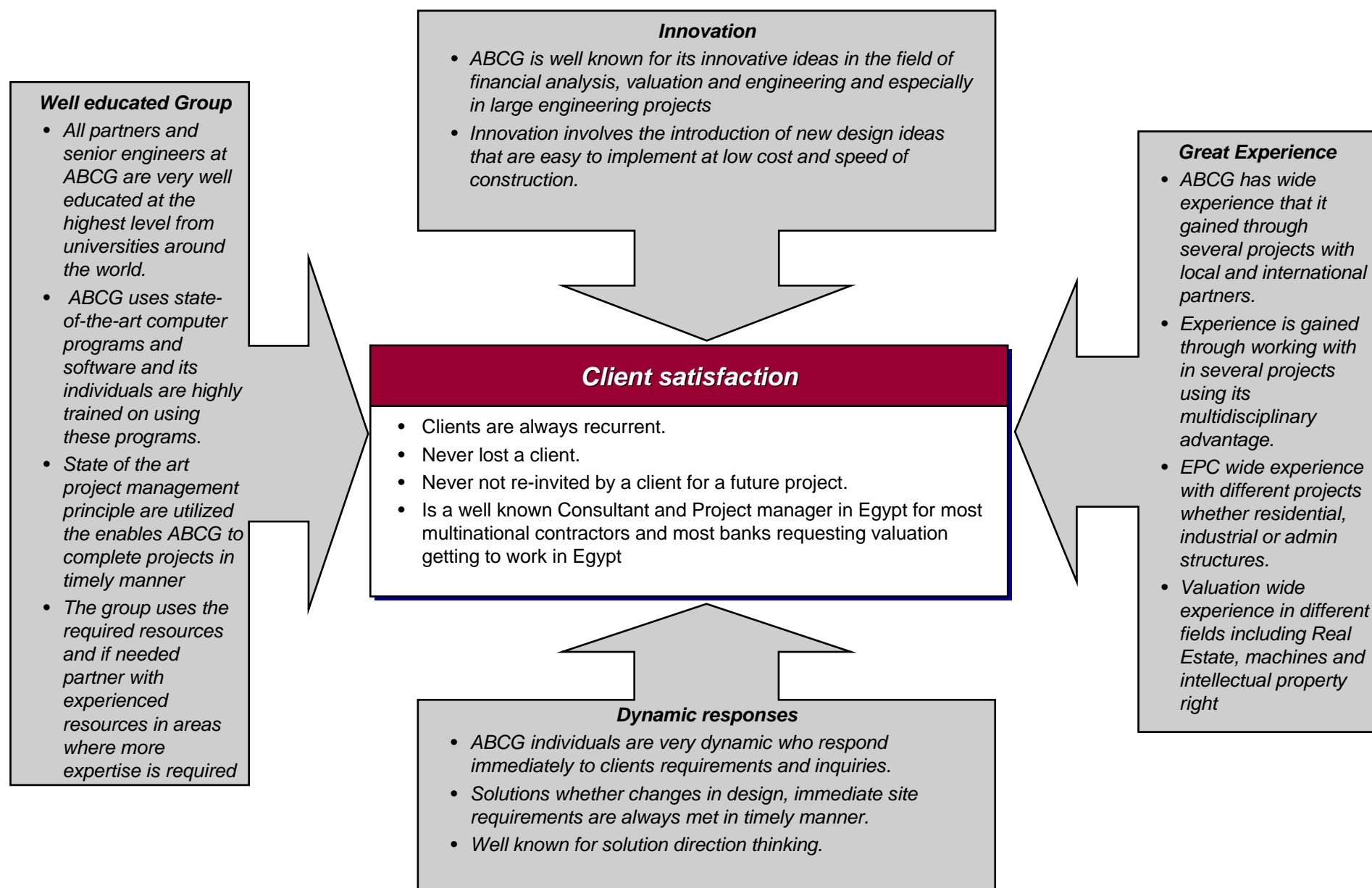


International Client List



Organizational Structure:





ABCG has state-of-the-art equipment and software:

Non-Destructive Testing of Piles

CSL, PET, Dynamic Testing

- ABCG is the only Company in Egypt that owns and operates the full range of Non Destructive testing for piles including Continuous Soil Logging and Pile Integrity Testing.
- Tests were done in Egypt and the middle east for most large projects involving deep foundation.
- Detailed and well thought of analysis is performed based on results from both tests on the piles.



ABCG has state-of-the-art equipment and software:

Field Testing

Drilling Rigs and site investigation

- ABCG is one of the few companies in Egypt that maintains its own drilling rigs and sampling.
- Drilling Rigs operate throughout Egypt and Sudan. Samplers are imported from the most advanced companies in the world and some samplers are reproduced in Egypt.
- Samples are well maintained until their final laboratory destination.

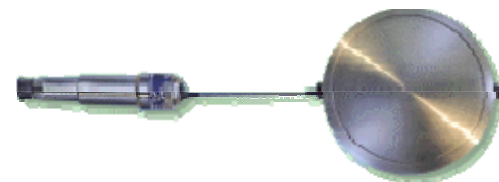


ABCG has state-of-the-art equipment and software:

Field Monitoring

**Inclinometers,
Piezometers,
Settlement points,
vibrations**

- ABCG is one of the few companies in Egypt that has the capability of installing and monitoring several brands of geotechnical monitoring instrumentations.
- The monitoring plan is designed to give maximum information with economical cost.
- Interpretation of the results is up to the highest international level and compared to the design of the project.

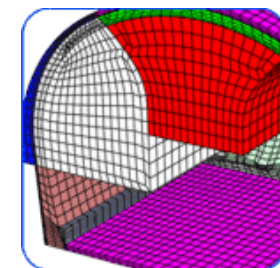
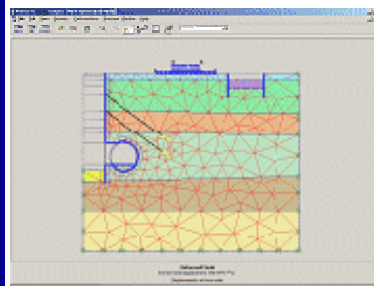
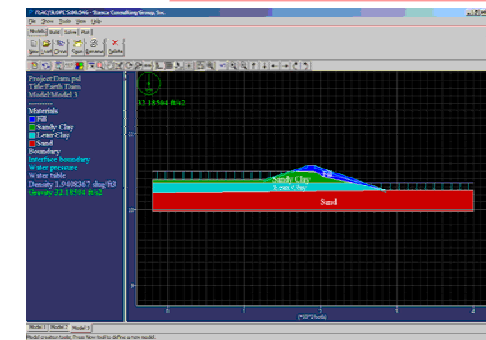
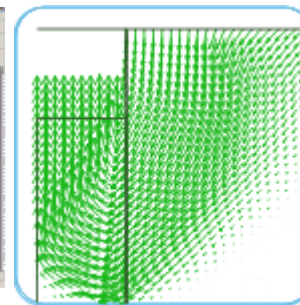
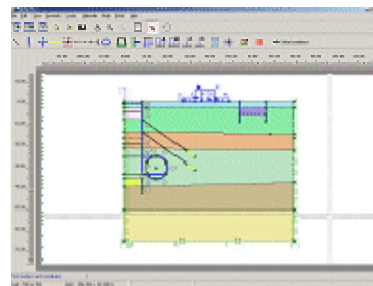
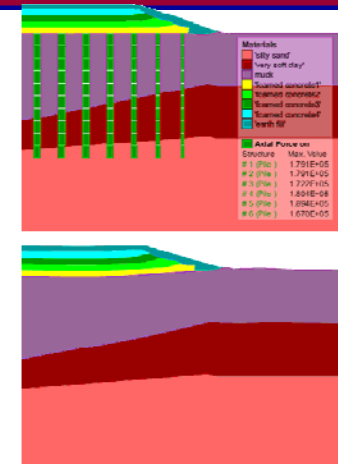
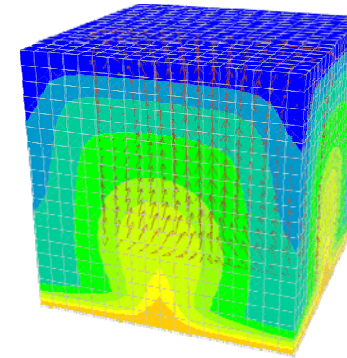
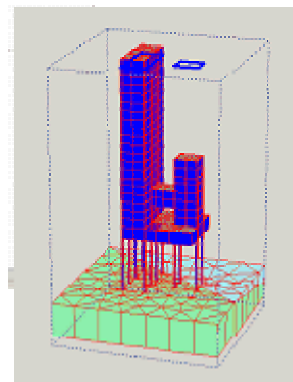


ABCG has state-of-the-art equipment and software:

Software

PLAXIS, SAP2000, Z-Soil, PLAXIS 3D, FLAC

- ABCG owns licensed copies of the most advanced geotechnical and structural softwares.
- Detailed analyses of the projects are performed using several softwares to come up with design documents and detailed stress strain analysis.
- Analysis is based on Finite element, Finite different, Limit state analysis and normal Elastic analysis.
- Several Software programs are developed in house to serve in the design requirements of ABCG.



ABCG has been involved in many major construction projects in Egypt as project Manager:

Project Examples

Grand Hyatt Galleria

Local Project Manager and Third Party:

- A 6 storey underground parking lot for the Galleria right at the Nile shore.
- Structural consultant and project manager for Hyundai during the construction of the superstructure.
- EPC for the steel structure at the top two floors of the building.
- Total Contract Value: 14M EGP (4.11 M USD)
- Client, Hyundai, Project Manager: Bechtel.



ABCG has been involved in many major construction projects in Egypt:

Project Examples

Four Seasons at the Nile Plaza

Third Party for underground works and EPC for structural works for the Contractor (Hyundai)

- A 5000 sq m in plan and 12 m deep excavation right at the Nile shore.
- Diaphragm wall with two layers of anchors and dewatering.
- Grouting was not needed due to the existence of a layer of clay at 25 m depth.
- Total Contract value 20 M EGP (5.88 M USD)
- Client: Bechtel, Hyundai.



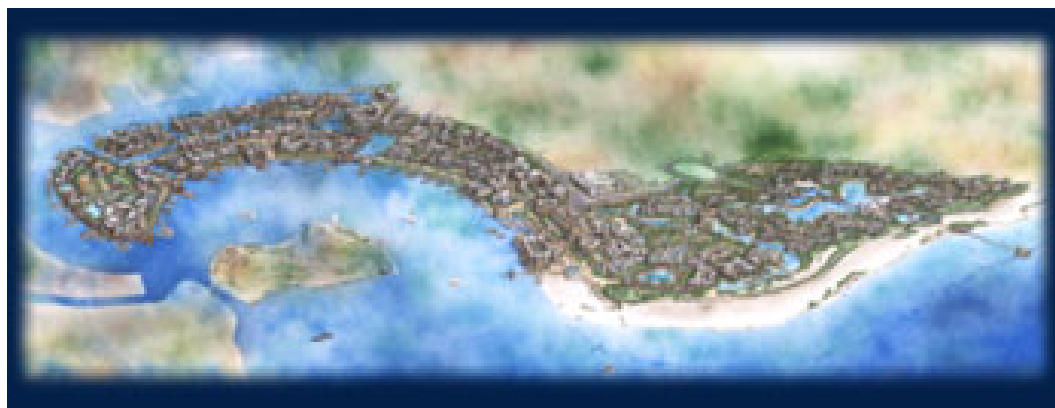
ABCG has been involved in several Construction Projects in Marsa Alam:

Project Examples

PortGhalib Marina, Phase I

Contractor's Consultant, Project manager and SubContractor supervision and management.

- Redesign of the marina to save to the client over 25% of the cost of the original design.
- Complete Project Management including Procurement of the subcontractor for the main Contractor and managing the subcontractor and supervision.
- Contract value EGP 106.2M.
- Client: Huta-Sete, Marsa Alam for Tourist Development.



ABCG has been involved in most major Construction Projects in Marsa Alam:

Project Examples

Core Project, parcels 4, 5, and 6

Owner's Consultant, site supervision and Project manager

- Complete Project Management including Value Engineering involving Redesign of the civil portion of the above-mentioned parcels and continuous site supervision of the Contractor. Tight schedule of finishing the works required Fast Track method of Project Management.
- A full team of supervision including 12 full time engineers on site.
- ABCG contract value EGP 71.0M.
- Client: Marsa Alam for tourist development.



ABCG has been involved in most major construction projects in Egypt:

Project Examples

Uptown Cairo

Design of Grading, Side support and Geotechnical design

- A total of more than 1200 Villas and 2000 apartments in addition to administrative towers and shopping Mall compound.
- The most sophisticated site grading and Earth Moving project in Egypt to be done in Rock.
- Side support and grading of up to 25 m.
- Project Budget 400 Million EGP
- Client: EMAAR MISR



ABCG has been involved in most major construction projects in Egypt:

Project Examples

Marassi, Side Abdel-Rahman

Geotechnical investigations,
topographical survey, Design of
Grading, Side support and
Geotechnical, roads,
Infrastructure, Structural design
and workshop drawings

- A total of more than 1600 Villas and 1500 apartments
- A lot of geotechnical problems and side support due to different levels and bad soil conditions.
- Client: EMAAR MISR



ABCG has been involved in most major construction projects in Egypt:

Project Examples

Allegria, Zayed City

Design of Grading, Side support and Geotechnical, roads, Infrastructure, Structural design and workshop drawings

- A total of more than 1200 Villas and Club house
- Largest project for the use of Soil reinforcement in Egypt.
- Several innovative methods to reduce cost of side support and grading
- Client: SODIC



ABCG has been involved in most major underground construction projects in Egypt:

Project Examples

Bibliotheca Alexandrina

Design of the underground area

- A 160 m diameter in plan and 15 m underground right at the seashore.
- The first continuous reinforcement Diaphragm wall in the Middle East.
- Jet Grouting and Chemical Grouting.
- Dewatering of the whole area to the sea.
- Client: Hamza Associates



ABCG has been involved in most major underground construction projects in Egypt:

Project Examples

Saray Al-Hadayek Project

Total Structure Engineering and Procurement

- A 3500 sq m in plan and 8.5 m deep excavation in the city center with water level at 1.5 m from ground level.
- Diaphragm wall with one layer of anchors and chemical Grouting and dewatering.
- 12 Storey above ground works
- Total Contract value 10M EGP (2.94M USD)
- Client: Al-Mohandeson.



ABCG has been involved in most major underground construction projects in Egypt:

Project Examples

Al-Gezira Parking Project

Owner's Consultant and PreConstruction project Management:

- A 35000 sq m in plan and 10.5 m deep excavation in the city center at the water front with water level at 2.5 m from ground level.
- Diaphragm wall with one layer of anchors and dewatering with some precautions for the neighboring bridge
- Project Budget EGP 200.0 M
- Client: Al-Mashroaat.



ABCG has been involved in most major underground construction projects in Egypt:

Project Examples

Cairo Metro

Contractor's Consultant

- A 9.48 m in diameter tunnel inside the city center with stations.
- Diaphragm walls and grouting for the stations that act intermediate shafts with some precautions for the neighboring bridge
- Client: InterInfra, Hamza Associates.



ABCG has been involved in several major Water and waste water project in Egypt and the Middle East :

WATER AND WASTEWATER PROJECTS

- ABCG was involved in several water and wastewater projects around the region..
- Involvement ranged from Owner's consultant to Contractor's consultant to EPC.
- Clients included major regional and international consultants, contractors and owners.



Project Examples

Abou-Rawash Pumping station, Intake and Tunnels

Contractor's Consultant and Manager for the Concrete part

- A 2000 sq m in plan and 12 m deep excavation right at the Nasery Rayah shore.
- Diaphragm wall with two layers of anchors and dewatering.
- Two Shafts and two tunnels with Internal diameters of 2.81 m.
- Intake in the form of Sheet piles right inside the Behairy canal
- Total Contract value:45M EGP
- Client: Mokhtar Ibrahim, MC International.



Project Examples

Emergency Canal

Project Manager and Procurement for the Contractor

- A 2.25 m in diameter tunnel inside the city center with shafts for jacking and receiving to replace the open channel that is used for wastewater disposal.
- During the bidding stage, suggested an alternative that was 30% cheaper and led to winning the bid.
- Diaphragm walls, Berlin wall and dewatering.
- Total Contract value: 25M EGP (4.31 M USD)
- Client: MC International.



ABCG has been involved in most of the water and waste water projects in Cairo and Alexandria: :

Project Examples

Waste water and water supply projects

Several waste water stations and lines and tunnels

- More than 40 projects in wastewater stations, irrigation and tunneling in Egypt, and Jordan.
- Different designs from diaphragm walls, sheetpiles, Berlin walls, secant pile walls, etc.



ABCG was involved as a consultant for the Kharafi Group for the Sulaibiya project in Kuwait:

Project Examples

Waste water and water supply projects

The first BOT project and the largest wastewater project in Kuwait

- Involves the engineering design and financial analysis of the project.
- Coordination of all design works with several regional and multinational consultants.



ABCG has been involved in many steel works and industrial construction projects in Egypt:

INDUSTRIAL FACILITIES

ABCG acted as a consultant, project manager and in several cases “Engineering, Procurement and Construction” for industrial facilities around Egypt and the Middle east.

The involvement is with some of the largest factories in Egypt.



ABCG has been involved in many steel works and industrial construction projects in Egypt:

Project Examples

Alpha Gas Factory

Total Structure Engineering and Procurement

- A 4000 sq m in plan and 42 m span steel structure with slab on grade and brick walls and sheeting in 10th of Ramadan City.
- Total Contract value 6M EGP (1.0M USD)
- Client: Alpha Gas



Project Examples

Kalyobia Flour Mills and Silos

Design and Project Management:

- A 8000 sq m in plan and 3.5 m deep excavation at Kanater including all design, procurement and Construction of the civil works for 3 tanks and 8 silos.
- An administrative building on a foot print of 800 sq m and 3 floors near by.
- Design and construction included all architectural, civil and electromechanical works. 12 Storey above ground works
- Total Contract value 10M EGP (1.67M USD)
- Client: Kalyobia Flour mills.



Project Examples

Sokhna and Nuwaibaa Ports X-Ray System

Engineering Procurement and Contracting

- A 2000 sq m of steel structure span of 25 m and a 600 sq m admin building on 3 floors with quite complicated connections.
- Design according to requirements of two clients in each location, Port authorities and American Science and Engineering (AS&E).
- Design done and revised in the US and an owner representative was available during construction time.
- Total Contract value: EGP 15M (USD 3.0 M)
- Client: AS&E.



ABCG has been involved in several Financial consultancy services, especially in the fields of mergers and acquisitions and valuation for several banks and financial institutions:

FINANCIAL CONSULTANCY

ABCG acted as a financial advisor for several institutions in several areas

Several Banks and companies used our financial consultancy services

- ABCG has a staff highly experienced in the field of management and financial consultancy.
- ABCG has been retained by major local and regional institutions for several financial consultancy services.



ABCG has been involved in several valuation and asset appraisal for several banks and financial institutions:

Valuation and Asset Appraisal

Banks and Financial Institutions that ABCG has acted as Valuation and Asset appraisal

Several Banks and companies used our valuation, feasibility studies and Asset Appraisal expertise such as:

- Misr-International Bank
- Misr-Romania Bank
- Suez Canal Bank
- Export Development Bank
- Industrial Development Bank
- Egyptian Arab Land Bank
- Faisal Islamic Bank
- Arab International Bank
- Egypt Kuwait Holding
- Egyptian Housing Financing Company



ABCG has strategic alliance with an international key player in the field of Valuation and Appraisal Company from the UK:

Valuation and Asset Appraisal Partner

ABCG has an agreement of cooperation with Valuation Consulting of the UK for technical Support in special projects

Expertise of Valuation Consulting includes:

- Appraisal of any kind of assets
- Appraisal and valuation of companies
- Valuation of intellectual property rights
- Acted as Expert witness in many cases in the UK.
- Appraisal of the state of the industrial properties



www.valuation-consulting.co.uk

ABCG is lead by 6 full time Ph.D.s and 2 senior engineers with more than 100 full Time engineers and experts in different fields of financial and engineering:

OUR STAFF

Senior Staff

Our staff is Highly trained and very well educated from the best schools around the world including:

- Harvard Business School, Iowa State University, Syracuse University, Ohio State University, Middle Ham University, Queen's University.
- We are committed to continuous training of our senior staff inside and outside Egypt. Training courses attended includes ASCE Project management, Asset Appraisal, Property Management, Financial Analysis, Leadership forum.



ABCG always looks for best quality of personnel to work with where we are committed in improving their personal and technical skills and we have a 360 appraisal method for all staff members:

OUR STAFF

General Staff

We maintain a full time staff of excess of 100 engineers and experts.

- Our staff is a well distributed selection of experienced and newly graduated to balance the requirements of Hard work, experience, Quality Assurance, timely response and competitive pricing.
- We are committed to continuous training of our staff for basic and more advanced courses whether technical or personal.
- We work in clusters where each cluster is headed by a more experienced staff member who reports to the head of the department.

