

# Leading the way

ECG newsletter

Vol 23  
April 2010



## ECG's Ground-breaking designs approaching the Skies

**When it comes to airport design and construction supervision, ECG is Egypt's prominent national front-runner.**

Penetrating the aviation sector in 1975, ECG is currently the unrivalled key partner in the development of Egypt's major airports including Cairo International Airport as well as the Borg ElArab Airport (Alexandria), Marsa Alam International Airport (Red Sea), and Nozha Airport (Alexandria). ECG's services range from implementing major renovations to expand airside/landside capacities to launching fully-fledged terminal buildings.

ECG is keen to capitalize on positive trends anticipated in the global aviation sector. Our client, the Egyptian Holding Company for Airports and Air Navigation (EHCAAN), is the prime developer of airports in Egypt and has recently signed the revolutionary open Skies agreement. The deal is projected to boost international passenger growth in Egyptian airports and increase Egypt's share in the global air transport industry. Accordingly, when ECG signed up for the Cairo International Airport packages, it was not only developing designs to build a distinguished airport but also devising a strategy to elevate the airport's standing to the legacy of being the hub of airway traffic in the MENA region.

Once Cairo International Airport's Terminal 3 comes on stream, passenger/freight capacities shall be the largest ever accommodated in the African continent. Proudly, now that our mission is successfully underway, we are reaching new heights through setting the standards for future aviation-related ventures across the globe.

Cairo International Airport's Terminal 3

**21 mn passengers/yr total airport capacity designed**

**ECG** جماعة الهندسة والبناء  
ENGINEERING CONSULTANTS GROUP S.A.

# Project updates...

## News...

### ECG Advances in ENR Rankings

Achieving USD 30,900,000 in cross-border 2008 revenues, ECG's overseas revenues sustainably account for more than 50% of the firm's total income stream. Climbing up from 151 in 2007, 149 in 2008, ECG ranked 135 in the Top 200 International Design Firms 2009 list published by Engineering News Record (ENR); the distinguished, globally circulated magazine with ratings and analysis profoundly respected across international design and engineering circles.

Deemed a triumphant international victory for ECG, the firm has climbed the ENR ranking ladder outperforming international engineering, architectural, and engineering design firms. ENR statistical analysis underscores ECG's growing potential, as an Architect-Engineer, to reap substantial revenue flows from thriving Middle East and North Africa markets especially in the general buildings; power; water supply/wastewater network; and industrial/petrochemical sectors.

### ECG Smart Village Cairo Headquarters is officially inaugurated



The building presents the expansion of ECG operations through Egypt and the MENA region across all economic sectors. It is perceived to be a major step for the business that will sustain further development in firm's portfolio of national and international clients.



### Citadel Capital Office Building, Smart Village, Cairo, Egypt

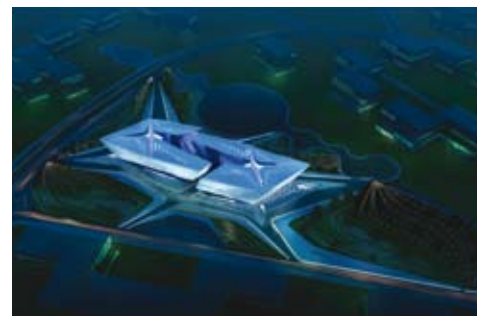
**An unconventional building concept adding inspirational value and depth to the Smart Village terrain.**

With a longstanding experience of collaboration with international well-renowned firms, ECG was fully prepared to work with some of the world's top consultants, Zaha Hadid Architects, to develop the new Citadel Capital Building located in Smart Village, Cairo-Alex highway, Cairo, Egypt.

ECG handled multi-disciplinary coordination activities among five internationally recognized consultants engaged in a number of specialized fields and was also responsible for ensuring project compliance with all local codes and safety rules.

Posing an engineering challenge based on a deconstruction philosophy, the project aimed to sculpt a blossoming pyramid via a spectacular sunken two block building emerging like a shimmering diamond from a luxuriant expanse of unique landscaping enriched by an artificial lake.

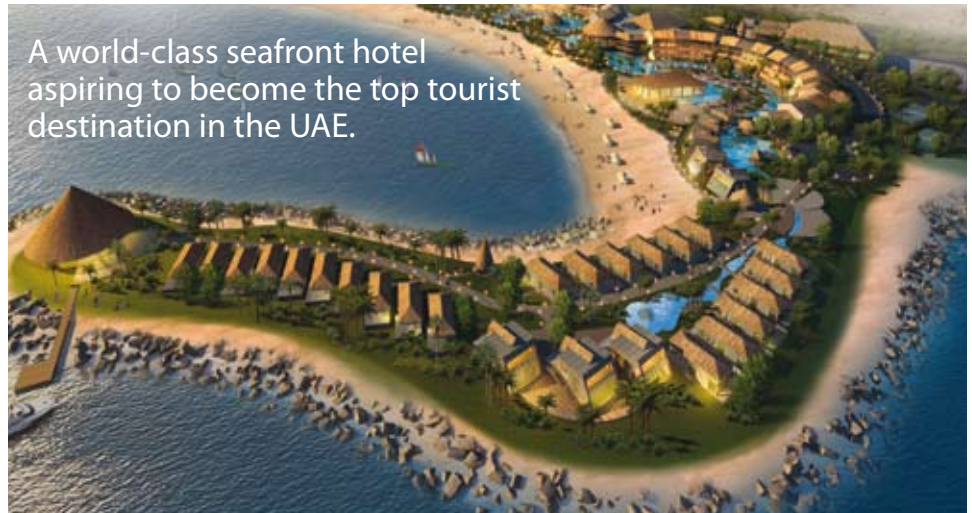
The building facades are shielded from direct sunlight while facade system material selection was carefully based on effective accommodation of thermal, acoustic, and solar glare factors. With a total built-up area of 42,280 Sq m, the building blocks can operate independently and have separate entrances and exits.



# Millennium Resort Hotel, UAE

Millennium Resort Hotel, UAE, entertains a vast sandy beach perimeter of 840 meters in Mina AlArab, Ras Al Khaimah, UAE. Whilst adopting a warm, intimate South Pacific theme on the 50,000 Sqm area, all ECG designs fully integrate the requisite unique brand philosophy of Millennium and Copthorne Hotels PLC, the future designated operator of the exciting touristic scheme and the state-of-the-art technology. The Resort comprises a series of pitched thatched roof bungalows constructed in wavy forms on a reclaimed manmade peninsula including hotel village clusters with three hundred rooms and suites, spa treatment rooms, two restaurants, a club lounge, a banquet hall, a kid's club, water slides, swimming pools, and a car park.

ECG's scope of work involves the delivery of conceptual, schematic designs and construction supervision for all disciplines.



A world-class seafront hotel aspiring to become the top tourist destination in the UAE.

**50,000**  
**SQM** area of the project



# Burj Alam, UAE

Burj Al Alam rendering – An exceptionally successful collaboration between art and architecture.

In May 2007, both the leading design architect Nikken Sekkei Ltd and SMEP Consultant ARUP of Japan have entrusted ECG, to be the Architect of Record, with the completion of this one-of-a-kind global landmark. The design of the iconic Burj Al Alam tower in Dubai is one of the many distinguished schemes ECG Dubai has undertaken to date. The tower tapers as it rises before splaying out with six filaments which resemble the opening of a flower's petal; set within is a multi-faceted glazing area which takes the shape of a hexagonal diamond and ranks among the highest towers. The skyscraper, located at Dubai Business Bay, consists of 108 stories of ultra-modern offices, a five-star, exclusive hotel apartments, a high-end shopping plaza and the world's first roof top Sky Saloon.

Interior elevators enable visitor viewing of a spectacular scope of the towers' state-of-the-art interiors and designs. The Sky lobby features an attractive clear glass roof that floods the lobby with natural light. Notably, one of the development's main objectives is to showcase an extra enticing luxury, the design of the highest hotel ever constructed to serve the global tourism economy. The podium's facade demonstrates a prominent aesthetic infusion consisting of seven-floor glass louver wall unraveling a gigantic eye-catching LCD screen for advertisement. Linked to the tower is an 11-storey podium with five-floor basement and four floors of retail space. The basement comprises five floors housing facilities including car parks, electromechanical/plumbing rooms, and a loading area for retail and hotel merchandise. Independent of the tower, the podium's top seven floors function solely as a multi-level car parking space.

# CSR...



## Workforce-Technical Training Course

Preparing the students of "Faculties of Engineering" to the Workplace

In a magnificent celebration for the closing of the workforce-preparation course provided to the students of "Faculties of Engineering" to improve their capabilities to enter the Labor Market, on top of attendees were Dr. Hadya El-Hennawi, Dean of the Faculty of Engineering, Ain Shams University; Eng. Sami AbdelKawi; Eng. Amr Allouba; Eng. Mohamed AbdelMoneim; Dr. Nevine AbdelKhalek; Eng. Youssef Hossam; Eng. Gamal Helmy; Mr. Hamed Darweesh; Mrs. Howida Abdelfadeel; Eng. Kamal Shawky; Eng. Ahmed Essawy and Eng. Hamouda Youssef.

Certificates of Appreciation were distributed by the company to outstanding students during the course. In recognition to the relentless efforts exerted and organization made that has been satisfactory to everybody during the course, Dr. Hadya El-Hennawi distributed certificates

of appreciation to ECG Engineers. The course included training lectures for 80 students from Structural and Architectural Sections in the Faculties of Engineering.

The course aimed to allow students acquire technical and technological skills required in the labor market as well as train students on state-of-the-art software in both Sections, with a view to link University academic study with best practices in order to meet the labor market challenges. Visiting Madenaty Construction Site was also incorporated in the course to make students familiar with different execution stages of projects. At the end of the celebration, Eng. Sami AbdelKawi; Eng. Amr Allouba; and Dr. Hadya El-Hennawi exchanged both ECG and the Faculty of Engineering Shields in recognition of concerted efforts made by both parties.



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