

Leading the way

ECG newsletter



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ECG in the Ethio-Egyptian Business Forum, Addis Ababa



Ethio-Egyptian Business Forum was held with the aim of exploring areas of business cooperation between Ethiopia and Egypt. The event took place on Sunday November 2nd, 2014 at Sheraton Addis Ababa in Ethiopia.

The forum addressed exploring the Ethiopian market in the fields of agriculture, education, real estate, telecom and construction; focusing to increase the Egyptian market share in Ethiopia. The five-year strategic plan of Ethiopia was also presented during the forum, highlighting the construction of a major 1000-Km railway and the expansion of textile and leather production industry.

The forum topics were presented by many speakers including Chairperson of the Ethiopian Business Council, Mr. Solomon Afewerki; Chairperson of the Egyptian Business Council, Mr. Ayman Eissa; the Egyptian Minister of Industry, Trade and Small Industries, Mr. Munir Fakhry Abdelnour; as well as the Ethiopian Minister of Trade, Mr. Kebede Chane who emphasized the importance of promoting the Ethiopian products in the Egyptian market.

The event was attended by officials from both countries including the Egyptian Minister of Foreign Affairs, Mr. Sami Shoukri; the Ethiopian Minister of State for Industry, Mr. Tadesse Haile; and the General Director of Ethiopia's Investment Agency, Mr. Fitsum Arega. Also, the ambassadors from Ethiopia and Egypt attended the forum.



The project comprises five healthcare centers in different sites in Qatar; namely, Al-Wakra, Al-Mashef, Ain Khaled/ Umm Snim, Al-Shamal and Al-Khor. Offering various medical services as well as patient health education including antenatal classroom and premarital services, the centers are built as per the following three design types:

3 distinctive types of design

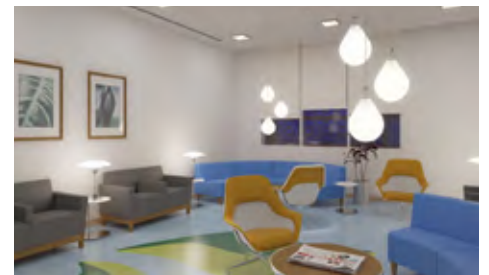
Type A (Al-Wakra area): a single-storey building with ancillary facilities with a total built-up area of 3,000m². Type (A) provides basic medical services that include a primary health center, an ambulance garage, a substation service yard, a mosque and underground utilities.

Type B (Al-Mashef & Ain Khaled/ Umm Snim areas): consists of ground and first floors with a basement for car parking. Each building is constructed with a total built-up area of approximately 8,400m². Type (B) comprises a healthcare clinic, an ambulance garage, an ancillary building and underground utilities.

Type C (Al-Shamal & Al-Khor areas): consists of ground and first floors with a basement for car parking. Each building is constructed with a total built-up area of approximately 10,800m². Type (C) includes a primary healthcare center, an ancillary building, an ambulance garage, an Emergency Medical Services (EMS) hub and swimming pool facilities. All five healthcare centers include the following common facilities:

- specialty clinics: otolaryngology, ophthalmology & optometry;
- chronic diseases clinics: cardiology, mental health, dietetics & maternal health;
- women/post-partum & baby/ child clinics;
- dental clinic;
- radiology and imaging section: ultrasound and mammogram & panorama scans; and
- supporting amenities: examination rooms, a pharmacy, nursing services and waiting areas.

ECG's scope comprises detailed design, tender documents, tender action, construction management and construction supervision.



News...

“57357 Hospital” Visit by UTW 6th Round Students



With a view to developing their sense of community service, the students of UTW round 6 visited the Cancer Hospital (57357) on Thursday 04.12.2014. The visit was organized by ECG engineers in their capacity as UTW coordinators.

The main purpose of that voluntary activity was to spend the whole day at the hospital to sympathize with the children. Students distributed presents and coloring books and pencils to lift the children's spirits. Some students made cash and blood donations to the hospital.



UTW students also attended a presentation delivered by the Manager of Engineering Department at “57357 Hospital”, Eng. Adel Youssef, about the construction process and the engineering specifications of the hospital building.

Capital Bay C, Dubai, UAE



With a total built-up area of 22,000m², the 60-metre high tower of “Capital Bay C” is located in Dubai's Business Bay. The tower comprises 144 hotel serviced apartments, encompassing the following components:

- **ground floor:** includes a retail area (162m²) facing the walkway and a main restaurant (166m²).
- **3-level podium:** for parking area with the capacity of 147 vehicles. The podium roof is an open landscaped sitting area.
- **12 typical floors:** for 144 serviced apartments divided into 3 types of units:
 - **Studios:** a total of 47 units, served by 32 parking lots.
 - **Two-bedroom apartments:** a total of 48 units, served by 50 parking lots.
 - **One-bedroom apartments:** a total of 48 units, served by 33 parking lots.
- There are also 32 parking spaces provided for the visitors and the retail area.

This design of the tower is in compliance with the requirements of Dubai Department of Tourism Commerce and Marketing (DTCM) for deluxe hotel serviced apartments.

ECG's scope covers design development, detailed design, tender documents, tender action and construction supervision.

Height: 60 meters



ALWAHA Village 1 - Phases 1 & 2 (V1-P1 & V1-P2), KSA



ALWAHA Village is one of the first residential communities developed in King Abdullah Economic City (KAEC) under the auspices of the Saudi Arabian General Investment Authority (SAGIA) and the Economic City Authority. Phase (1) is expected to be constructed by November 2015.

Using Revit BIM package throughout the design process, the design concept of ALWAHA Village adopts various architectural styles (Arabian, Italian, Moroccan and Spanish) in four types of housing units and a community centre.

With a total land area of 214,000m², ALWAHA V1-P1 comprises 608 housing units accommodating 3,000 residents scattered over 230 attached and detached buildings as follows:

- **Apartment Buildings** - 10 detached buildings: Italian and Spanish style (G+2+roof); ranging between studios, one and two-bedroom apartments. Each building accommodates either 37 or 43 units totaling approximately 388 units.
- **Townhouses** - 12 detached buildings: Moroccan and Spanish style (G+2+roof). Each building accommodates 12 attached units with a total of 144 units.
- **Paired Houses** - 23 attached buildings in two groups: Arabian, Italian, Moroccan and Spanish style (G+1+roof) with a total of 46 units.
- **Villas** - 30 detached units: Arabian, Italian, Moroccan and Spanish style (G+2+roof).
- **Community Centre** - one Spanish-style building, providing leisure and social services through restaurants and play areas.

ECG's scope for ALWAHA (V1-P1) covers infrastructure networks concept design, schematic design, detailed design, tender documents, tender action and construction supervision.

With a total land area of 380,000m², ALWAHA V1-P2 comprises 1,009 housing units accommodating 5,300 residents scattered over 505 attached and detached buildings.

- **Apartment Buildings** - 12 detached buildings: Italian and Spanish style (G+2+roof); ranging between studios, one and two-bedroom apartments. Each building accommodates 43 units totaling approximately 516 units.
- **Townhouses** - one building: Moroccan style (G+2+roof), accommodating 12 attached units.
- **Paired Houses** - 190 attached buildings: Arabian, Italian, Moroccan and Spanish style (G+1+roof) with a total of 380 units.
- **Villas** - 101 detached units: Arabian, Italian, Moroccan and Spanish style (G+2+roof).
- **Community Centre**: one Spanish-style building, providing leisure and social services through restaurants and play areas.

ECG's scope for ALWAHA (V1-P2) covers master plan and landscape design, detailed design, tender documents, tender action and construction supervision.

1,617 housing units



Four Seasons Hotel, Jeddah, KSA



On a plot area of 18,812m², the iconic building is located in an idyllic spot on the corner of Sari Street and Abdulrahman Fakieh Street. The building lies within Al-Shate'e area in Jeddah; an upscale district housing single-family villas, multi-storey apartment buildings as well as upmarket commercial developments.

The 137-metre high building resembles twin gateways on top of a podium. The building height, multifaceted elevations, angled massing make the design unique and distinguished.

With a built-up area of 200,000m², the mixed-use building encompasses the following:

- **basement:** for the building services and a parking area (960 cars);
- **ground floor:** the main entrance and a parking area (115 cars);
- **9-storey podium:** retail shops, meeting rooms, a ballroom, Back Of House (BOH) services and a parking area (754 cars).

The podium roof is designed as hanging gardens hosting outdoor Jacuzzi and swimming pool, pool lounges and cabanas, a spa, restaurants and children facilities.

- **23 upper floors:** 275-key hotel and 75 serviced apartments (all operated by the Four Seasons Hotel).

ECG's scope involves construction management and construction supervision.

275-key hotel &
75 serviced apartments



Assessment of UTW Students' Projects



In early December 2014, the 6th round of UTW students submitted their graduation projects of UTW program in which they summarized the knowledge acquired during this iteration.

Focusing on sustainability, graduation projects addressed the "Mixed-use Buildings", presented under themes of "Intelligent Green Building, Sustainable Design, Eco-friendly and Healthier Building". The evaluation criterion of student projects was based on enhancing "Creative Thinking and Sustainable Design". UTW architectural coordinators from ECG attending the discussion of student projects were: main UTW Coordinator & Senior Architect, Mostafa Mahdy; LEED GA and members of the Architectural Department Green Building Committee, Karim Ramadan and Somia Ragheb; and Energy Modeling Consultant, Mohamed Badr.

The Assessment Commission responsible for the evaluation of students' projects included a team of Green Building experts and professionals; namely, Architectural Professor at the American University in Cairo (AUC), Dr. Sherif Mourad; Assistant Professor at the Faculty of Fine Arts, Helwan University, Dr. Eman Osama; Teaching Assistant at Ain shams University, Mr. Hisham Bahaa El-din; Teaching Assistant at 10th of Ramadan High Technology Institute, Mr. Ahmed Abou-Hendia; and Low-Energy Building Expert at the European Union Project, Dr. Florentine Visser. Following the discussion of students' projects, the Commission summarized their comments with the aim of developing the students' knowledge in a scientific and objective meaningful way.

At the end of the day, the Assessment Commission praised UTW students and the parties concerned with the program. In acknowledgement of the level of Knowledge, Skills and Attitudes (KSA) acquired by UTW students, the Commission members also expressed their happiness and appreciation for efforts exerted in the UTW program.

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