

Osama Ahmed Elmassah



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- Profession:**
- ▶ LEED Faculty Specialization, USGBC Faculty, LEED AP BD+C & LEED GA.
 - ▶ Finished the prerequisite courses for the PhD - Architectural department - Faculty of Engineering - Cairo University in February 2016.

- Qualifications:**
- ▶ Master of Science Degree in Architectural Engineering, Cairo University in 2013.
 - ▶ BSc faculty of engineering / Cairo university / 2007 with very good with an honour degree, Distinction in the graduation project.

- Position:**
- ▶ LEED Faculty Specialization / Professional Architect.

Osama is a LEED Faculty Specialization & USGBC Faculty since 2016 (This designation recognizes expertise and experience teaching LEED-specific concepts by holding license from U.S. Green Building Council to prepare candidates to be LEED GAs and LEED APs.) in addition of being a LEED AP BD+C (Building Design and Construction) since June 2009.

He holds a Master of Science Degree in Architectural Engineering, Cairo University in 2013, Thesis title: IMPACT OF USING RENEWABLE ENERGY ON URBAN LEVELS "A NEW VISION FOR SUSTAINABLE URBAN COMMUNITIES" and also finished the prerequisite year of the Doctor of Philosophy Degree in February 2016 and now working in the thesis.

Osama has a published article titled "Could Renewable Energy Affect the Form of the City? Case Study on the Wind Energy Considerations" in Energy Procedia Journal of ELSEVIER science direct as part of attending TERRAGREEN12 INTERNATIONAL CONFERENCE Clean Energy Solutions for Sustainable Environment (CESSE) as a presenter, that held in Beirut in 2012 besides attending many other international conferences about sustainable development. <http://www.sciencedirect.com/science/article/pii/S1876610212008090>.

Relevance to this Project

- ▶ LEED Faculty Specialization since May 2016.
- ▶ LEED Faculty since April 2016.
- ▶ A Certified LEED AP BD+C, since 29/06/2009.
- ▶ Holds a Master of Science Degree in Architectural Engineering, Cairo University in 2013.
- ▶ Finished the prerequisite courses for the PhD - Architectural department - Faculty of Engineering - Cairo University in February 2016.
- ▶ Has a published paper in Energy Procedia Journal of ELSEVIER science direct in 2012.
- ▶ Performed many presentations in the sustainability field
- ▶ He was a professor assistant in Faculty of regional and urban planning – Cairo University - 2009.
- ▶ Worked in GHD global Egypt for 1.5 years.
- ▶ Worked in Dar Al-Handasah from December 2009 till now.

Performed presentations in sustainability field:

Osama prepared and delivered a number of presentations to audiences in the sustainability field, trying to be succinct, yet informative to the degree dictated by the presentation purpose. Also considering to demonstrate the ability to well perceive and respond to the audience's needs as well as present material in a digestible way.

- ▶ **In 26th April 2016, 5th January 2016 & 19th November 2015: Prepare and perform a presentation titled “Dar Al-Handasah office at smart village – LEED Tour” - Egypt:**

Participate in preparing and delivering a 120 minutes presentation that was performed three times for a total of 90 university staff and undergraduate students from the architecture department from the German University in Cairo, the British University in Egypt and Arab Academy for Science, Technology and Art. The presentations intended to spread the sustainable development approach by explaining LEED strategies implemented in Dar Al-Handasah office building and followed by a tour in the building.

- ▶ **In 18th April 2017 & in 8th April 2017: Prepare and perform a presentation titled “Introduction to Sustainable Development – Principals of LEED BD+C (V4) & LEED ND (V4)” - Egypt:**

Preparing and delivering a 120 minutes presentation that was performed two times for a total of 80 university staff and undergraduate Architecture and Urban planning students in Ain Shams and MSA Universities in Cairo. The presentations intended to raise the awareness about the environmental issue and also introduce principals of LEED BD+C (V4) & LEED ND (V4) as an implementing and measuring tool for Sustainable development.

- ▶ **In 9th January 2016: Prepare and perform a presentation titled “Indoor environmental quality – An assessment and improvement of educational spaces” - Egypt:**

A 90 minutes presentation was prepared and delivered in Faculty of engineering - Cairo university - Architecture department for around 45 post graduates students from the architectural department specialized in environmental design.

- ▶ **In 10th December 2015: Prepare and perform a presentation titled “Wind Energy in Building’s Thermal Systems – Urban green development” - Egypt:**

A 45 minutes presentation was prepared and delivered in Faculty of engineering - Cairo university - Architecture department for around 30 post graduates students from the architectural department specialized in environmental design.

- ▶ **In 4th April 2015: Prepare and perform a presentation titled “Studying Sustainable Development - Introducing LEED as a case study for rating systems” - Egypt:**

A 60 minutes presentation was prepared and delivered in Faculty of engineering - Cairo university - Architecture department for around 30 post graduates students from the architectural department specialized in environmental design.

- ▶ **In 29th September 2013: Prepare and perform the Master of Science Degree presentation titled “IMPACTS OF USING RENEWABLE ENERGIES ON URBAN LEVELS - A NEW VISION FOR SUSTAINABLE URBAN COMMUNITIES” in Cairo University - Egypt:**

A 60 minutes presentation was delivered to study the ability of applying renewable energy technologies on reshaping urban schemes as an approach for a sustainable development for

urban communities and also indicate the capability to raise the energy efficiency of the urban community to be more sustainable.

- ▶ **In 2012: Prepare a presentation titled “Could Renewable Energy Affect the Form of the City? Case Study on the Wind Energy Considerations” in TERRAGREEN12 INTERNATIONAL CONFERENCE Clean Energy Solutions for Sustainable Environment (CESSE) - Beirut:**

Osama has a published article and prepared a presentation titled “Could Renewable Energy Affect the Form of the City? Case Study on the Wind Energy Considerations” in Energy Procedia Journal of ELSEVIER science direct Volume 18 as part of attending TERRAGREEN12 INTERNATIONAL CONFERENCE Clean Energy Solutions for Sustainable Environment (CESSE).

<http://www.sciencedirect.com/science/article/pii/S1876610212008090>.

- ▶ **In 2012: Prepare a presentation titled “It’s Green Time, Introducing LEED as a case Study” in Ain Shams University - Egypt:**

A 90 minutes presentation was prepared and delivered in Faculty of engineering - Ain Shams university - Architecture department for around 150 university staff and under graduate students from the architectural department sponsored by FEDA (student and youth activities) followed by a 60 minutes activities in sustainability.

Non – Academic Courses in Presentation Skills:

- 1- Successfully completed “The powerful public speaking” online course in 13 Feb. 2016 provided by Aaron Perkins Instructor on Udemy website.
- 2- Attend a 2 days certified course with McKinsey (A multi-services Leader American firm).

Pre PhD academic courses in Sustainability field in Cairo University from March 2015 to February 2016:

Finished 18 hours of academic courses in the prerequisite year of the PhD, all in the field of sustainability (each course equivalent to 3 hours):

- 1- Integration of natural and artificial lighting research, seminar.
- 2- Green architecture research.
- 3- Management and maintenance of landscape sites.
- 4- Scientific research in environment and sustainability approaches.
- 5- Researches of building’s thermal systems, seminar.
- 6- Environmental control studies and energy efficiency strategies in buildings.

Undergraduate Academic Courses

- | | |
|--------------------------------------|-------------------------------------|
| 1- Architectural Design | 2- Architecture Criticism |
| 3- Working Drawing | 4- Architectural History & Theories |
| 5- Interior Design & Visual Training | 6- Urban Design |
| 7- Cities Planning | 8- Projects Management |
| 9- Environmental Control | 10- Foundation, Concrete & Steel. |

Experience as a Professional Architect

Osama has Ten years of experience in working drawings and design development in different projects (Residential, Educational and Office buildings), In addition to a good experience in design with Ecological consequences, Urban design and Urban planning.

He was ranked the 1st in the graduation design project with an appreciation: DISTINCTION, and the 11th in the over whole accumulation with grads very good with an honour degree. Win the 1st prize in the students housing competition in the 3rd year in the college.

1- Experience [at Dar Al-Handasah – Cairo office]

- ▶ **From October 2016 till now: Developing of Al Bagea Fence, (Al Haram Al Nabawy Expansion) - Kingdom of Saudi Arabia:**

Responsibilities/Tasks: Mr Osama was involved in the For construction drawings & Tender document and also coordination with different disciplines.

- ▶ **In 2016: Qatar Air Born Troops, - Qatar:**

Responsibilities/Tasks: Mr Osama was involved in the Tender document drawings and coordination with different disciplines for many buildings in military base.

- ▶ **From June 2010 till now: Service Building Project, (Al Haram Al Makky Expansion) - Kingdom of Saudi Arabia:**

He has the honour of being heavily participated in the development of the largest extension of Al Haram Al Makky which consists of 3 phases; He worked in the first phase in the service building project which is considered the largest building in this phase, building area 750000 m².

Project cost: 40 billion Saudi riyals.

Client: Saudi Binladin Group (SBG).

Responsibilities/Tasks: Mr. Osama was involved in different tasks in this project, from preliminary to detailed design stages (design developments, working drawings and coordination with different disciplines, beside involving in the design proposals and preparing the Photoshop presentations that are presented to the King of Saudi Arabia).

- ▶ **From Dec 2009 – June 2010: Al Riyadh University Project - Kingdom of Saudi Arabia:**

Project Description: An educational project that had a lot of care from the King of Saudi Arabia.

Responsibilities/Tasks: Mr Osama was involved in the detailed design stages (working drawings, design developments and coordination with different disciplines) for many buildings in the university especially the deanship and college of dentistry and nursing buildings.

2- Experience [at GOPP]

- ▶ **From Mar 2009 – Dec 2009: Cairo 2050 Vision:**

Responsibilities/Tasks: Mr Osama participated in developing and representing the governmental vision of Cairo 2050, besides attending conferences and workshops with many specialists to discuss this vision.

3- Academic Teaching experience [at Faculty of regional planning / Cairo University Egypt]

- ▶ **From Mar 2009 – June 2009: Professor assistant**

Responsibilities/Tasks: Mr Osama used to teach materials that are related to Urban Design.

4- Experience [at GHD – Cairo office]

- ▶ **From Feb 2008 – Mar 2009: Cultural Village West Bay Project - Doha – Qatar:**

The Cultural Village is a waterfront development which is consisted of three phases. Phase 1, 2 provided a range of facilities for cultural activities, where as Phase 3 (the current project) is a residential resort consisting of 234 villas each with different theme including public open spaces, that connects all areas and activities within the site.

Responsibilities/Tasks: Mr Osama was involved for more than a year in different tasks in this project, in preliminary and detailed design stages (working drawings, design developments and coordination with different disciplines) besides preparing the concept design and documentation stage for 41 villas with different designs.

- ▶ **From Dec 2007 – Feb 2008: Qatar airways Crew Accommodation Project, Doha – Qatar:**

The project consists of 4 Residential buildings, 8 floors & basement for each building with total area 86090 0m² and 526 apartments.

Responsibilities/Tasks: Mr. Osama participated as a team member in the working drawings stage and coordination with all disciplines, besides producing the tender package.

► **From Sep 2007 – Dec 2007: Sheikh Hamed Bin Abdullah Al Thani-Residential Compound at West Bay, Doha-Qatar:**

A residential compound. Comprised of 2 types' 50 villas and 2 types' 8 apartment blocks, in addition to a clubhouse, swimming pools and tennis courts. (Plot area 40,000 m², total built-up area 30,000 m²).

Responsibilities/Tasks: Mr. Osama Participated as a team member in the detailed design in working drawings.

► **From Sep 2007 – Dec 2007: Palm Jebel Ali, Dubai – EAU:**

Palm Jebel Ali is the second palm island to be delivered by Nakheel. The proposed villas will fall into generic categories, large villas (series 36 villas) with a built up area of 630 m² and medium villas (series 18 villas) with a built up area of 450 m². The scope of work is to deliver 5 floor plan designs for each of series 36 and series 18 villas along with 3 facade options for each floor plan (Arab, Mediterranean and Contemporary styles).

Responsibilities/Tasks: Mr. Osama Participated as a team member in the detailed design in working drawing stage.

Training experience at space office:

► **From July 2006 – Aug 2006: Narmar American Collage, Cairo-Egypt:**

An educational project in new Cairo city.

Responsibilities/Tasks: Participated as a team member in different tasks in preliminary and detailed design stages (working drawings and design developments).

► **From July 2005 – Aug 2005: The New Echem Head Quarter in New Cairo City, Cairo-Egypt:**

Responsibilities/Tasks: Participated as a team member in different tasks in preliminary and detailed design stages (working drawings and design developments).

► **From July 2005 – Aug 2005: Medical Center in Hamadan, Cairo-Egypt:**

Responsibilities/Tasks: Participated as a team member in the presentation stage.

Training experience at El Taamer Company:

► **From July 2004 – Aug 2004: Design proposal internal competition for the development of El Taamer Company's Façade, Cairo-Egypt:**

Responsibilities/Tasks: Participated as a designer for a façade proposal.

► **From July 2003 – Aug 2003: Elmasreya Reinsuring Company, Cairo-Egypt:**

Renovation for the main building of the company in garden city.

Responsibilities/Tasks: Participated as a team member in the supervision team in the site (Finishes stage).

► **In April 2004 won the 1st prize in Housing and development bank's competition for Architectural students in Cairo University, Cairo – Egypt:**

Participated in design of multi residential units for low and middle housing.

Career History

Worked in

- Professional Architect in Dar al-Handassah (From Dec. 2009 till now).
- Professional urban designer and urban planner in GOPP (From March 2009 to Dec. 2009).
- Professor assistant in Faculty of regional and urban planning – Cairo University (From March 2009 to June 2009).
- Professional Architect in GHD global Egypt (From Sept.2007 to March. 2009).

Trained in

- Space Office (Dr. Dorra, Former Chairman in Cairo University).
(From 01/07/2005 to 11/08 /2005 In Office, 03/07/2006 to 07/08/2006 in office).
- El Taameer Co. From 01/07 to 31/08 /2004.
(From 01/07 to 31/07 in Site and from 01/08 to 31/08 in the office).

Studying Ambition

- Osama accomplished the prerequisite courses for the PHD degree from Cairo University and is targeting to finalize the thesis in the next 3 years.
- He is looking forward to master the energy model in Revit & learn Envi-met software by the end of this year.

Software

- Revit 2015
- AutoCAD
- Photoshop
- Office

Personal Profile

- Phone No. 02/35859162
- Mobile No. 01114490449
- Date of Birth 19/03/1985.
- Nationality Egyptian.
- Marital state Married.
- Military state Have no military service.
- Address 2 Fatma Rushdy st., Messaha, El Haram, Giza.

In Case of Interest

References and more details are available upon request.

