



ROLE OF THE LGBC

Become a leading non-profit organization working to promote the sustainable building industry of an international level.

Achieve the goal of sustainability within an economically visible context.

Certify buildings, with the ARZ BRS

Develop and promote industry standards, educational programs, and design practices.

Conduct research and educational activities.

A NOTE FROM THE PRESIDENT

Welcome to the first LGBC newsletter. Summer is here, so I hope that you enjoy reading it in a passively tempered environment.



A lot has been happening since the beginning of the year and we are very excited to share what the Board and the Committees have been working on, a main accomplishment being the attainment of the Emerging Member status within the World Green Building Council.

I would like to thank the Communication and Public Relations Committees, led by Racha Itani and Camille Elias, for editing and designing this newsletter

We hope that it will gain widespread readership and becomes a reflection of issues relating to the built environment, in general and climate responsive buildings, in particular.

Stay cool !

Aram K. Yeretian, President

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The **Lebanon Green Building Council (LGBC)** is an NGO established in 2008 with a mission to promote, spread and help implement the **Green Building Concept** that is environmentally responsible healthy and profitable



In this respect, a key LGBC accomplishment was to issue "ARZ", a customized building rating system (BRS), for Existing Commercial Buildings. The ARZ BRS was, and still is, supported by the **International Finance Corporation (IFC)**.

Another important LGBC achievement is attaining the "Emerging Member" status at the **World Green Building Council**. The elected LGBC Board celebrated this event on the 24th of May at the Crowne Plaza Hotel.

Consistent with previous years' participation in "Project Lebanon", The LGBC is continuing to spread awareness, by providing interactive exposure at the stand and by presenting at **Ecorient**, 3 topics that aim to transform the building industry in Lebanon to a Greener and healthier environment.

TO MAKE YOUR EXISTING GREEN COMMERCIAL BUILDINGS REGISTER NOW!



FIRST 6 PROJECTS



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"COMING TOGETHER IS A BEGINNING. KEEPING TOGETHER IS A PROGRESS. WORKING TOGETHER IS A SUCCESS."

HENRY FORD

BOARD ACTIVITIES:

2013: 3rd TERM ELECTIONS

The New board was elected on February 15th, 2013. Dr. Samir Traboulsy, past president was managing this event with the help of Mrs. Abeer Hanna, the LGBC administrator.

Members of the Nominating Committee are:

- Mr. Elie Baradhy, Chairperson
- Mr. Rached Sarkis
- Mr. Youssef Ghantous
- Mr. Nohad Boudani

This committee nominated 8 candidates, that were considered by the electing members.

The 10 elected Board Members are:

- President: Mr. Aram Yeretzian
- Vice President: Mr. Rabih Khairallah
- Secretary of the Board: Mrs. Rima Sorour Al-Housseiny
- Treasurer: Mr. Tony Harrouk
- Accountant: Mrs. Amal Khreis
- Government & Public Relations: Mr. Gilbert Tegho
- Member: Mr. Raymond AbouZeid
- Member: Mr. Ziad Haddad
- Member: Mr. Ali Berro
- Member: Miss Racha Itani

Right after the election, the new board started its meetings by distributing the positions and tasks.

LGBC EMERGING WITHIN THE WGBC



WORLD GREEN BUILDING COUNCIL
Emerging Member of the World Green Building Council

The LEBANON GBC is now working towards achieving Established GBC status. In doing so, the LGBC needs to prove that it has a sustainable future and that it is proactively transforming the local market.

This will require showcasing examples where the LGBC's work has resulted in change (number of certifications, unifying all the stakeholders in the market, shifting local or national policy, etc.).

MEMBERSHIP COMMITTEE:

New members for year 2013 till the publication date

PLATINUM Members:

- Water Front City



Members:

- Wassim Mansour
- Faissal Abdallah
- Fadi Gharib
- Nada Raad
- Kamar Sahmarani
- Zeina Majdalani
- Dunia Abboud
- Nader Houella
- Jack Gemayel
- Lina Handal
- Adib Dada
- Nagi Bachour
- Hicham Majdalany
- Antoine Kaldany

Student Members:

- Tarek Chehade
- Ridab Bou Nasser Edine
- Rachid Hajjar

Affiliated Members:

- Wael Itani

CORPORATE Members:

- Libel
- Estates Sal

4TH BUILD IT GREEN - LEBANON

March 26th / 27th 2013



Beyond Green Building - Green Communities.

The Conference took place on the 26-27th of March at the Monroe Hotel, and was held under the patronage of the Municipality of Beirut.

LGBC was a supporter to this event, and was offering a free ARZ registration at its booth in the exhibition and networking area. Many conference delegates were interested in the ARZ rating for commercial building and asked to receive ARZ soft copies or LGBC membership details. The booth was also considered as a gathering point for the new and old LGBC members.

International and local presenters addressed for the first time in Lebanon the subject of Eco-Cities and Green Communities with an in-depth review of Beirut City Green plan for soft transportation. The second day topics covered many case studies of Green buildings in Lebanon among which the first LEED Gold project in the Country, projects aiming for BREEAM, and projects bringing sustainability to remote rural communities.

More can be found on www.BigLeb.com



**BEYOND GREEN BUILDINGS
... GREEN COMMUNITIES**

4th Annual Sustainability Solutions Conference

"VOLUNTEERS ARE UNPAID NOT BECAUSE THEY ARE WORTH LESS BUT BECAUSE THEY ARE PRICELESS"

AUB CIVIC FAIR

April 10th 2013



Mrs. Rima Sorour Al-Housseiny - Dr. Nada Raad

Center for Civic Engagement and Community Service (CCECS) at the American University of Beirut organized the Civic Fair 2013.

The theme was "Engage for Better Change." LGBC was among 100 non-governmental organizations (NGOs) and university partners that participated in this event. LGBC members were at the stand advising, educating visitors about LGBC and ARZ. Among the visitors were students, engineers, architects, representatives from various organizations, teachers and other people having different background.

The Fair proved to be a successful event aiming at increasing awareness about Green Buildings in the region.

EVENTS COMMITTEE

COCKTAIL EVENT May 24th 2013



On the occasion of reaching the status of Emerging member at the **World Green Building Council**, Lebanon Green Building Council held a Cocktail Reception on May 24th, 2013 to celebrate this event.

The ceremony started with an opening speech by the new president Aram Yereztian and a welcome speech by Ms. Jane Hanley, CEO of the WGBC.

The former president Dr. Samir Traboulsi and our Platinum member Water Front City were honoured.



A small Green Quiz was made, three winners were granted 1 year free "Regular Membership" with LGBC (Zeina Majdalani, Dunia Abboud, Nader Houella)

AWARENESS & EDUCATIONAL COMMITTEE: AI MABARAT Association May 24th, 2013



مؤتمر بيئي للأطفال

في أجواء أسبوع المبررات وبالتعاون مع تجمع بلديات الضاحية ووزارة البيئة، تنظم جمعية المبررات الخيرية، مؤتمراً بيئياً للأطفال من 25 خمسة وعشرين مدرسة ومؤسسة رعائية من مختلف المناطق والطوائف اللبنانية.

تحت عنوان:
" لا نملك إلا بيئة واحدة "

Rima Sorour Al-Housseiny, Tarek Chehade & Nada Raad participated in this event.
The attendees were thirty students.

The title of LGBC presentation was " لا نملك إلا بيئة واحدة " The main presentation topics addressed, indoor air quality, hazardous materials and renewable energy. Students were delighted and excited to learn about these subjects. Students participated in the following five main activities.

- 1- They had to think and discuss a statement related to indoor air.
- 2- They were given a worksheet having a picture for a house and had to identify and understand the source of the problem for indoor air quality including hazardous materials.
- 3- Students had to determine which area is the most polluted by counting the particles that will stick to a card over a period of time and compare the results by presenting a graph.
- 4- Animated slides showing the students different concepts for renewable energy.
- 5- Students were divided into groups & shared the information with all other students and representatives from different government agencies, and schools. The students asked questions, shared ideas & opinions, and learned new concepts regarding how to protect the environment.

The LGBC provided pamphlets and worksheets that the students kept for future reference. The certificate given to every student who attended the LGBC workshop -brought them joy and pride. It was a successful experience for the Awareness and Educational Committee at the LGBC. We look forward to similar events and activities in the future.

" THE BEST WAY TO PREDICT THE FUTURE IS TO CREATE IT."

PETER F. DRUCKER

SUSTAINABILITY IN CONTEXT:

Building, Neighborhood, City



The presentation, within a series of lectures organized by the Architect's Association at the Order of Engineers and Architects, took place on May 28th, 2013.

President Aram Yeretzian addressed several topics about climate responsive and sustainable master planning and architecture.

A comparison between different sustainability parameters at different environmental scales was presented.



PROJECT LEBANON - ECORIENT

June 4th-7th, 2013



From June 4th to 7th, 2013, the Lebanon Green Building Council participated in "Project Lebanon 2013" by organizing and animating stand S-16 at the Hall 2 of the Environmental Engineering section. Visitors were enthusiastic to know about the LGBC accomplishments since its recent creation.

Moreover, in the "Ecorient" conference, the LGBC vibrantly communicated its mission addressing Green Buildings to the interested attendees. Eng. Rabih Khairallah moderated a session and three presenters from the LGBC enriched the morning session of the second day.

They presented Green Buildings from different perspectives; the business point of view was addressed by Eng. Ziad Haddad Integrating sustainability into the Building Law was discussed by Eng. Najj Tannous and a real ongoing case study of transferring an existing building to a green one was presented by Arch. Rima Sorour.



WELLSPRING

June 12th, 2013



Wellspring Learning Community school invited LGBC to visit their exhibition for Green Architecture done by fifth grade students.

Dr. Nada Raad, the Chairperson of the AWARENESS & EDUCATIONAL Committee, visited the exhibition and was impressed with the work of the fifth grade students. They went through the scientific process and applied the engineering concepts for Green Architecture and went through the writing process under the supervision of their teacher.

They brainstormed ideas, found what is needed to be done for the project, interviewed an architect & an engineer, searched the internet, wrote papers, expressed their opinion in writing, prepared a video about problems that earth is facing as climate changes, invited guest speakers, and visited Project Lebanon including LGBC stand. LGBC / ARZ brochures and LGBC members' pictures were part of their exhibition too.

Dr. Raad encouraged the students and the teachers to work on 3D model for their next project.

LAU SUSTAINABILITY WORKSHOP

June 27th, 2013



The department of Architecture & Design, LAU invited LGBC for a presentation in a common workshop with Brandenburg University of Technology (BTU) Cottbus - Germany and USEK, on Sustainable Development and it was interesting for the German team to learn more about LGBC and ARZ.

Mrs. Hana Alamuddin and Ms. Racha Itani, presented the objectives and work of LGBC.



"THE SUSTAINABILITY OF CULTURAL HERITAGE AMIDST THE BACKDROP OF GLOBAL CHANGE AND MODERN LIFE"

KRISTINA DRYZA

COMMUNICATION & PUBLIC RELATIONS COMMITTEE: ... Some of the Work done by the Committee

TO MAKE YOUR EXISTING COMMERCIAL BUILDINGS GREEN REGISTER NOW!

SAVE UP TO 2500\$

▶ GET STARTED

LIMITED TIME PROMOTION

50%

EARLY BIRD!



ARZ
BUILDING RATING SYSTEM

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WILL BENEFIT FROM 50% DISCOUNT - UP TO 2,500\$ AND REDUCED INTEREST ON BANK LOANS!

LGBC
مجلس لبنان للبناء الأخضر

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ARZ CERTIFIED BUILDINGS



BLC Bank, Adlye, Lebanon
ARZ Bronze Certified

MODULE	ITEM	Max Possible Points
M 1	Energy Performance	06 pts
M 2	Thermal Energy	38 pts
M 3	Electrical Energy	33 pts
M 4	Building Envelope	36 pts
M 5	Materials	08 pts
M 6	Indoor Air Quality	09 pts
M 7	Operations and Management	11 pts
M 8	Water Conservation	09 pts
M 9	Bonus	16 pts

ARZ Building Rating ranking	Minimum required score
GOLD	135 pts
SILVER	120 pts
BRONZE	100 pts
CERTIFIED	80 pts
NON - CERTIFIED	< 80 pts

There are additional pre-requisites for each level



BETA Engineering, Badaro, Lebanon
ARZ Bronze Certified

BLC Headquarters building is the first ARZ rated building meeting a credible score in green building and performance measures and was awarded the ARZ rating at Bronze Level.

ARZ Building Rating System allows rating buildings, or particular entities within a building. The office of BETA Engineering was awarded the ARZ rating at Bronze level

TECHNICAL COMMITTEE

FACT SHEETS

FACT sheets are one of the committee tasks, for more information visit LGBC website www.Lebanon-gbc.org

INTERNATIONAL NEWS

World Environmental day, 5th June




THINK·EAT·SAVE
WORLD ENVIRONMENT DAY 5 JUNE

World Environment Day is an annual event that is aimed at being the biggest and most widely celebrated global day for positive environmental action. World Environment Day activities take place all year round and climax on 5 June every year, involving everyone from everywhere. The theme for this year's World Environment Day celebrations is **Think.Eat.Save**. Think.Eat.Save is an anti-food waste and food loss campaign that encourages you to reduce your foodprint. According to the UN Food and Agriculture Organization (FAO), every year 1.3 billion tonnes of food is wasted. This is equivalent to the same amount produced in the whole of sub-Saharan Africa. At the same time, 1 in every 7 people in the world go to bed hungry and more than 20,000 children under the age of 5 die daily from hunger. Given this enormous imbalance in lifestyles and the resultant devastating effects on the environment, this year's theme - Think.Eat.Save - encourages you to become more aware of the environmental impact of the food choices you make and empowers you to make informed decisions. www.greeningtheblue.org

"YOU CAN'T CHANGE THE DIRECTION OF THE WIND, BUT YOU CAN ADJUST YOUR SAILS TO ALWAYS REACH YOUR DESTINATION" H.JACKSON BROWN JR.

ARZ BUILDING RATING SYSTEM

LEBANON



The **ARZ Building Rating System** created to measure the extent to which existing commercial buildings in Lebanon are healthy, comfortable places for working, consume energy and water.

In addition, the rating system stimulates building owners and facility managers to achieve ever-higher certification levels to attract discerning tenants and clients.

BUILDING RATING SYSTEM

Email: info@arzrating.com

ARZRATING.COM



Address:
LEBANON GREEN BUILDING COUNCIL
3rd floor - Salameh & Naous Center
First building adjacent to the Order of Engineers & Architects - Cola Roundabout
Sports' City Street
Beirut, Lebanon

Phone: + (961) 1 843279
Fax: + (961) 1 843279
Mobile: + (961) 76 187101
email: info@lebanon-gbc.org

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LGBC COMMITTEES

"AT THE LGBC EACH COMMITTEE HAS A MISSION"

- | | |
|---|---|
| CHAIRPERSONS: Mr. NAJI TANNOUS | THE ARZ COMMITTEE
provides all services required for the good functioning and development of ARZ Building Rating System. |
| Dr. NADA RAAD | THE AWARENESS & EDUCATIONAL COMMITTEE
educates people about the general concepts of sustainability and Green Buildings and illustrates the impact of the society's well being in the long term time frame. |
| Mr. CAMILLE T. ELIAS | THE COMMUNICATION AND PUBLIC RELATIONS COMMITTEE
communicates the LGBC mission to gain increased membership and popular support. It provides information to council members and promotes LGBC events to the community. |
| Mr. ELIE BARADHY..... | THE ETHICAL COMMITTEE
advises LGBC Board of Directors on ethics policy and concerns, as well as fosters awareness on ethical issues and promotes ethical behavior among its members, certified assessors and other organizations working within the LGBC. |
| Mrs. AMAL KHREISS | THE EVENTS COMMITTEE
(Acting Chairperson)
develops, organizes and coordinates a series of regular informational and educational seminars, panel discussions, workshops and special events that engage the broad audience including the general membership and non-members. |
| Mr. NOHAD BOUDANI | THE MEMBERSHIP COMMITTEE
prepares means for identifying prospective, and recruiting new, members as well as maintaining the affiliation of existing members. |
| Mr. ELIE BARADHY..... | THE NOMINATING COMMITTEE
nominates candidates for the LGBC board. |
| Mr. RIAD ASSAF | THE TECHNICAL COMMITTEE
investigates, evaluates, "green technologies" and inform members and the public. |