Esteemed Colleagues and Members,

Here we are, two years later, soon back to the responsibility of elections. This time we add the horribly deteriorating state of our country; an atmosphere not inducing to any work or achievements.

What can I say about the past couple of years that you don't already know. I should say that you haven't already lived through. Two years ago, it was 'economy' complaints. I am tempted to say JUST economic problems, although that is enough to bring families to their knees. Sadly, the past year made its predecessor mild in comparison; devaluation, recession, corona, blast,....

Through it all, LBC kept on its journey as much as was humanly possible. Changes presented themselves and, as normally happens, some members departed while many new joined.

During my tenure, the challenge was broad and multifaceted, a substantial amount of work needed to be done. With a bold attempt to work out the situation, serious work started since day one on multi-levels, legal, institutional, and managerial.

I sadly repeat that our country's current economic and financial dilemmas pose a serious deterrent to anyone who sincerely aims to help. I am proud that in such a difficult climate, we managed to secure important projects for LBC, that provided work for several members. It fills my heart with joy to have achieved the biggest and most important LBC project till date, the ARZ Building Rating System web development.

One item we wished to accomplish was encouraging all corporates to take the lead role in LBC board, as is the case in all successful green building councils worldwide. I hope that next board makes that an aim.

Yet, I invite you all to judge our past work and achievements. This report outlines what we have been able to put into action.

It is important to remember that NGO work is done with the belief of giving and the spirit of helping. Within ethical codes and public-service objectives, with no conflicts. All should distinguish between the volunteering work of an NGO, and the gain-driven reality of the corporate work. Hopefully that is the obvious truth for all. My aim is to simply underline and not to judge.

As everyone in our beloved Lebanon, we continue to work and do our best in spite of all that is thrown at us.

I pray and hope the coming days bring a brighter future.

I urge one and all to cast their votes in the upcoming election. Wishing all health and prosperity and my successor a fruitful tenure.

Rima Sorour Al-Housseiny
Accomplishments Report

January 2021

1. Administration
2. Collaboration
3. Projects
4. Innovation
5. Webinars – LGBC Academy
6. LGBC @ Conferences / Universities / Schools
7. LGBC Family
8. Newsletter 2019
9. Looking Ahead
LGBC Board Members Partial Elections

The general assembly took place at the Order of Engineers & Architects, Beirut. Assembly started with a welcome note from President Rima Sorour Al Housseiny (2019-2020), followed by a financial presentation by board accountant Walid El Baba, where the financial statement 2019 was discussed and approved by assembly attendees. After informing of one withdrawal, the 7 present candidates presented themselves. The election committee, (Elie Baradhy & Ali Berro) announced the 4 winners: Pierre Dammous, Marcel Mansour, Wael Zmerly & Youssef Ghantous.

New Officially Approved LGBC By-Laws

The general assembly voted on Lebanon GBC new bylaws and membership benefits 2020 upgrading. Maitre Antoine Nasrallah, from Nasrallah legal law firm, presented and discussed the suggested amendments in LGBC bylaws and changes were approved by attendees. The new by-law was officially registered and became effective starting June 2020.

LGBC Board would like to thank all collaborating members who joined, used their privilege and right to vote, and expressed their opinions.

Appointing Legal consultants
Nasrallah Legal Law firm

Appointing new Auditor
Rita Abou Kadah
Accomplishments Report

January 2021

COLLABORATION
<table>
<thead>
<tr>
<th>National Organizations Collaboration</th>
<th>International Participation</th>
<th>International Organizations Membership</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lebanese Standards Institute (Libnor)</td>
<td>World Green Building Council (WGBC)</td>
<td>World Green Building Council (WGBC)</td>
</tr>
<tr>
<td>NL TC 207 Environmental Management Committee</td>
<td>Ongoing virtual meetings Feedback on WGBC projects Rima Sorour Al-Housseiny</td>
<td>Emerging Member Member since 2011</td>
</tr>
<tr>
<td>2009 – Present Working on setting the Lebanese &amp; ISO standards for Carbon &amp; Water footprint</td>
<td>MENA GBC Outreach Committee</td>
<td>World Energy Council (WEC)</td>
</tr>
<tr>
<td>LGBC Representatives: Naji Tannous, Riad Assaf, Ali Berro, Rima Sorour Al-Housseiny</td>
<td>Ongoing virtual meetings, September 2019 Feedback on regional GBCs, MENA Newsletter Sara Ayyach, Walid Haddad</td>
<td>Lebanon Committee, Honorary Member Member since 2013</td>
</tr>
<tr>
<td>Lebanese Standards Institute (Libnor)</td>
<td>Connective Cities</td>
<td>United Nations Global Compact (UNGC)</td>
</tr>
<tr>
<td>NL TC 205 Building Environment Design</td>
<td>Energy Efficiency in MENA City-led strategies, virtual meetings</td>
<td>Lebanon Network Participant since 2015 Pierre Dammous</td>
</tr>
<tr>
<td>2015 – Present Working on setting the Lebanese standards for Green Buildings in Lebanon</td>
<td>Rima sorour Al-Housseiny</td>
<td></td>
</tr>
<tr>
<td>LGBC Representatives: Ali Berro, Aram Yeretzian, Nohad Boudani, Rima Sorour Al-Housseiny, Riad Assaf, Naji Tannous, Nada Tfaily, Rabih Khairallah</td>
<td>WGBG – UN-Habitat Guideline Sustainable Reconstruction Consultation Sessions, virtual meetings Experts from across the region, validated and gave feedback on the completed chapters</td>
<td>Building Efficiency Accelerator (BEA)</td>
</tr>
<tr>
<td>Order of Engineers &amp; Architects (OEA)</td>
<td>Energy Committee</td>
<td>Project Partner</td>
</tr>
<tr>
<td>Energy Committee</td>
<td>2012 – Present</td>
<td>Partner since February 2019 Rabih Khairallah</td>
</tr>
<tr>
<td>LGBC Representatives: Rabih Khairallah, Aram Yeretzian, Walid Baba, Samir Traboulsi</td>
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</tr>
</tbody>
</table>
Accomplishments Report

PROJECTS

January 2021
ARZ Green Building Rating System
ARZ 2.0

European Commission
UNDP Energy & Environment Program – CEDRO 5 Project, in partnership with LGBC

“Promoting innovation and entrepreneurship in support to Lebanon’s clean energy transition”

An updated version of the ARZ 1.0 BRS is currently being developed to become a fully Web-Based Rating System for New & Existing Commercial Buildings (Offices, Hotels, Hospitals, Schools, Malls)

Project awarded in September 2019
Launching expected end of September 2022

- Duration: 3 years
- Total Budget: $298,000

LGBC Board Steering Committee
Rima Sorour Al-Housseiny
Pierre Dammous
Youssef Ghantous
Nada Tfaily

Project Manager
Riad Assaf

Web Portal
HelloTree SARL

LGBC Experts
Emile Hanna
Riad El Abed
Rami Tarabay
BUILD_ME

International Climate Initiative (IKI) - Guidehouse

Collaboration with LCEC, in partnership with LGBC

BUILD_ME Project, “Working Towards a Climate-Friendly Building Sector in the MENA Region”

Focus on reviewing the energy performance of Lebanese building sector and proposing a concept for a voluntary energy efficiency classification scheme, July 2020

- Duration: 1 year
- Total Budget: €10,000

Project Board Coordinator
Aram Yeretzian

LGBC Board Steering Committee
Rima Sorour Al-Housseiny
Walid El Baba

LGBC Experts
Sara Jaber
Cynthia Kreidy
Green Building Training

Union for the Mediterranean (UfM) Grant Scheme for employment promotion
LGBC as one of the co-applicants, having World GBC as Lead applicant

“Enhancing employability through green building training and entrepreneurship development”

A Regional response to the COVID-19 pandemic, October 2020

- Duration: 11 months
- Total Budget: $76,856
- Application under review.

Training Partners
Eco-Consulting
Zmerly Academy

Project Board Coordinator
Rima Sorour Al-Housseiny
**Other Projects**

Project within the Green Deal Horizon 2020 program of the European Commission

‘Building Societal Pathways, models and Visualization Tools to Enhance Sustainable Acceptance of Greening Ecosystems’ (SPVTESAGE)

LGBC submitted to participate as a Scientific Board Member

LGBC applied as a partner to the project with AUB being the Leading partner, December 2020

- Application under review.

LGBC Board Coordinator
Aram Yeretzian

Japan Grant Assistance for Grassroots Human Security Projects

‘The Green Demo Room’

LGBC applied to grant for the replication of the GDR Educational project in South of Lebanon, in partnership with Ajyal School, Nabatiyye June 2020

- Application was not awarded.

LGBC Expert
Khalil Saabi

LGBC Board
Rima Sorour Al-Housseiny
Walid El Baba
Nada Tfaily
“Green Report”

“How to Transform A Hotel, A Furnished Apartment, A Residential Building during COVID-19”, May 2020

In the midst of the COVID-19 pandemic, Lebanon Green Building Council (LGBC) and Pierre Dammous & Partners (PDP), a leading engineering consulting firm serving multiple industry sectors across the Middle East and Africa, joint their ingenuity to work by helping to quickly identify and adapt buildings and spaces into temporary health care facilities for an influx of patients.

The report was published on WGB platform

“LGBC Cultural Campaign”

Launching of “LGBC Cultural Campaign”, January 2021

As a call for a National Sustainable Development Campaign, LGBC members and fellows are requested to present Papers, publications, etc, approaching the different sustainability subjects

Understanding the deep effects on human life while developing the SUSTAINABILITY is to be comprehended by all members; LGBC aims is to create a streamline within our culture sweeping many of our behaviors and way of living and replacing it by new ones creating a balance between the “natural resources considered as Natural capital” and the “economic and financial development considered as Industrial & Commercial capital”.

LGBC Vice President
Pierre Dammous
Accomplishments Report

WEBINARS
LGBC ACADEMY

January 2021
WGBG Green Building Week 2020

In collaboration with World Green Building Council (WGBC)

LGB presented 2 Webinars within:
WGBG Green Week 2020 – “Act on Climate” September 2020

- “Beirut_ A Vision towards Resilient Net-Zero City”, September 24, 2020

  Presenters
  Rabih El Fadel, International Consultant, Managing Director of ZEF Concepts
  Ibrahim Kronfol, Senior Mechanical Engineer at Dar Al-Handasah
  Patricia Abi Khalil, Senior Architect at Dar Al-Handasah

  Registrants 135 - Attendees 85

- “NZE:Change The Boundary” “One Click LCA Planetary”- Free Embodied Carbon Tool September 28, 2020

  Presenters
  Samir Traboulsi, LGB Member (LGB president 2009-2012)
  Graham Devlin, LCA Software Developer

  Registrants 81 - Attendees 42
Envelope – Energy

In collaboration with the Order of Engineers and Architects (OEA)
OEA – Architects Consultants Branch 2
OEA – Mechanical Consultants Branch 4
LGBC presented 2 Webinars targeting mainly Architects, January 2021

- “The Building Enclosure: Aesthetics and Performance”,
  January 14, 2021
  Presenter
  Aram Yeretzian, LGBC Board Member (LGBC president 2013-2014)
  Attendees on Zoom 66
  Attendees on F live 45 – shares 7 – comments 19 – reached in 1 week 6074

- “The Heating System for Architects”,
  January 22, 2021
  Presenter
  Wael Zmerly, LGBC Board Member
  Attendees on Zoom 100 (Full)
  Attendees on F live 165 – shares 45 – comments 71 – reached in 1 day 10291
LGBC Academy

- **Green Cities, Nature Based solutions for the Future City,**
  May 20, 2020
  Presenter: Adib Dada, LGBC Member
  Registrants 133 - Attendees 89

- **Changing our Strategy in Energy Usage HVAC Efficient Systems,**
  May 22, 2020
  Presenter: Elie Tohme, Senior Engineer at PDP
  Registrants 182 – Attendees 114

- **Circular Economy & Systems Thinking,**
  May 29, 2020
  Presenter: Cynthia Kreidy, LGBC Member
  Registrants 130 – Attendees 65

- **Heat Pump Technology,**
  June 12, 2020
  Presenter: Wael Zmerly, LGBC Board member
  Registrants: 218 – Attendees 102

Free Webinars – International Attendees
Lebanon, Algeria, Argentina, Bahrain, Cameroon, China, Colombia, Egypt, France, Germany, Ghana, Greece, Hong Kong, India, Ireland, Italy, Jordan, Netherlands, Nigeria, Pakistan, Qatar, Saudi Arabia, Serbia, Spain, Turkey, UK, USA, UAE
• **Hints to Contribution To Greener Construction**, June 19, 2020
  Presenter: **Marcel Mansour**, LGBC Board Member
  Registrants: 150 - Attendees: 76

• **EcoConstruction & Green Building Certifications**, June 26, 2020
  Presenter: **Sara Jaber**, LGBC Member
  Registrants: 124 – Attendees: 64

• **Geothermal Energy-Efficient Green Solution**, July 10, 2020
  Presenter: **Robert Balech**, Senior Engineer
  Registrants: 147 – Attendees: 70

• **ARZ, A Rating System for A New Lebanon**, July 16, 2020
  Presenter: **Rima Sorour Al-Housseiny**, LGBC President
  The webinar was offered to the Architecture and Interior Design Students at the Lebanese American University (LAU).

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**Free Webinars – International Attendees**
Lebanon, Algeria, Argentina, Bahrain, Cameroon, China, Colombia, Egypt, France, Germany, Ghana, Greece, Hong Kong, India, Ireland, Italy, Jordan, Netherlands, Nigeria, Pakistan, Qatar, Saudi Arabia, Serbia, Spain, Turkey, UK, USA, UAE
Accomplishments Report

January 2021

LGBC @
Conferences/Universities/Schools
International Participation

WORLD GREEN BUILDING COUNCIL

Certificate of Attendance
This certificate is presented to:
Rima Sorour
Awarded by the World Green Building Council MENA and Africa Regional Networks
For participating in the 2nd MENA Green Building Congress

2nd MENA Green Building Congress, Virtual
Dubai, UAE, 23-27 June 2020

In collaboration with WorldGBC.
Organized under the patronage of the Minister of Climate Change and the Environment H.E. Dr. Thani bin Ahmed Al Zeyoudi and in partnership with Majid Al Futtaim Holding.

Participants, in Business Forum and Regional Meeting, whereby LGBC President presented the Lebanese situation.

Green Building Congress 2020 represented a great opportunity to share the latest trends across the industry internationally and regionally. It was a chance to tackle the challenges and unlock the opportunities of sustainable building in MENA and across the world!

Featuring a host of international business, government, and NGO leaders, the congress webinars dive deep into the issues facing the region and uncover local solutions which can also be applied in the international context.

Green Building Congress 2020 Topics and Themes:
✓ Advancing net zero
✓ Embodied carbon
✓ Health and wellbeing
✓ Sustainable reconstruction
✓ Green building opportunities and challenges

LGBC President
Rima Sorour Al-Housseiny

MENA Green Building Awards 2020, Jury Member
Emirates Green Building Council, November 2020

2 shortlisted projects from LGBC members in 2 categories
• **Energy Strategies Summit**, OEA, December 17, 2020

Under the Patronage of the President of the Council of Ministers. In collaboration with Order of Engineers & Architects Branch 3, Energy Committee, Women Engineers Committee and World Elite Solutions publisher of The Exclusive Lebanon’s Business Guide, organized the most important event of the autumn for the Lebanese energy industry: Energy Strategies Summit 2020.

This year’s edition summons the most influential decision makers in Lebanon’s energy industry in a hybrid format, for extensive analysis of the national, regional and corporate strategies. Energy Strategies Summit 2020 means over 30 speakers – senior officials from the Government and institutions, top managers, savvy representatives of professional associations, Lebanese and foreign experts had the opportunity to speak their minds in front of their peers.

LGBC, as Supporting Partners, Presented within 2 panels:

**STRATEGIES FOR SUSTAINABILITY**

"Transformation- An Opportunity to Preserve & Innovate"

Presenter: Rima Sorour Al-Houssein, LGBC President

**STRATEGIES FOR TECHNOLOGY**

"Heat Pump and the Future of Heating"

Presenters: Wael Zmerly, LGBC Board Member

Youssef Ghanous, LGBC Board Member

• **Is Nature a Political Actor?**, OEA, January 16, 2020

A lecture Series, organized by the French Institute for the Near East (IFPO) and the department of Urban Planning of the Lebanese University

"Blue Skies: planning for architecture in Beirut"

Presenter: Aram Yeretzian, LGBC Board Member

The aim of the series is to address the relationship between the city and nature. Presentation defined “green” buildings, the competing logics associated with the understanding of “green” buildings over time and identified how “green architecture” starts with green planning (evolution of Beirut and its buildings).
Green Apple Day of Service (GADOS), LGBC collaborating with Dar Al-Handasah for the 5th year

Green Champion- Green Apple Day, SABIS-Choueifat January 15, 2021

Due to the pandemic, Sustainability Movement campaign (for 2020-2021 academic year) went a step forward through a virtual version of the Green Apple day of service. This year the annual classical workshop education and awareness event of Dar & LGBC, have evolved to a more innovative form giving the students an opportunity to compete for an upcycle / reuse Green Challenge. Students that have presented the most innovative approach which deviated a potential waste to its best sustainable value will be awarded the Green Champion certification + Medal.

Our volunteers, the experts in the sustainability field, play the role of projects evaluators. Scores based on sustainability technical criteria such as: Environmental Impact, Innovation, Value, Practicality, Durability. The pilot Green Apple Day of service, that involved 15 volunteers, challenge was a big success. Four student teams from SABIS, the International school of Choueifat were competing for the Sustainability Movement Green Champion Award.

Congratulations to Shaden and Ghiya who were honored to be named SABIS Choueifat sustainability movement Green Champions 2021

Organizer, Team Leader: Ibrahim Kronfol, Dar Al-Handasah, LGBC Corporate Member

NDU Ecovibes For Greener Schools, January 2020

LGBC participated with Notre Dame University-Louaize that took actions to help schools initiate Green Clubs through several awareness events, sustainable education workshops, and Environment School Day.
Lebanon GBC 2019 Achievements

@ Schools
- Green Apple Day Of Service (GADOS), in collaborating with Dar;
- Students Activities
  - 46 Volunteers
  - 355 Students
  - Impact on 3900 students
- Teachers Training
  - 30 teachers
  - Impact on 150 teachers
Green Demo Room

LGBC Project
Inaugurated, January 2017

2019 Visits
27 schools / 578 students
Accomplishments Report

January 2021

LGBC Family
Membership

**LGBC MEMBERSHIP**

**Members 2020**
9 Corporate-56 Regular-15 Student

**Board Meetings 2020**
9 Meetings for LGBC Board of Directors, physical & virtual

**Free Membership 2020**
Granted to students and fresh graduates, as encouragement

**Free Membership 2021**
Will be granted to all 2020 individual members in good standing (Regular & Student), as a token of support and appreciation

**LGBC COMMITTEES**

**Communication & PR Committee**
- Reviving of the C & PR Committee
- Drafting a full Communication Plan
- Launching of LGBC Instagram page
WELCOME

Honorary Members
Granted to Internationally acknowledged Lebanese professionals

- Architect Antoine Chaaya
  Partner, Renzo Piano Architects, France
- Engineer Rabih El Fadel
  Managing Director of ZEF Concepts, UK

Corporate Member
- ERGA GROUP

Individual Members
- Jack Ghosn
- Bruna Teeny
- Fadi Ghareeb
- Lara Al Mouallem
- Mostafa Al Masri
- Nabila Kabbara
- Sara Jaber
- Hayat Itani

Student Members
- Gael Kleib
- Margueritta Hayek
- Nour Hassoun

New Members 2020

CORPORATE MEMBERS

www.lebanon-gbc.org
follow us on: LinkedIn Facebook
LGB - All Rights Reserved
More to Know

LGBC Sponsorship, January 2021

LGBC is working on ‘Community Support Initiatives’. An AUB student led initiative, ‘Heat up a Village’, being one of these initiatives.

LGBC Board Coordinator
Marcel Mansour

Social & Humanitarian Support, post 4th August 2020 Beirut Port Blast

LGBC joined the entities working under the Order of Engineers and Architects (OEA), as engineers and architects to support in engineering assessments and to quantify the infrastructure, construction, social and economic damage of the Beirut explosion.

In addition, LGBC offered two closets and a fridge in cooperation with FEED THE NEED, NGO as a part of social support for people affected from the blast.
Outstanding Members

Congratulations Certificates
To members with achievements related to sustainability

- **Ibrahim Kronfol**, Designated by GBCI as ‘LEED Fellow’ at ‘USGBC 2020 Leadership Awards’, Highest recognition achievable for a LEED professional in the green building industry, 1st in Lebanon and among 1st in MENA

- **Wael Zmerly**, Short-Listed, ‘2020 MENA Green Building Awards’ for Training Initiative of The Year, Zmerly Academy

- **Adib Dada**, Short-Listed, ‘2020 MENA Green Building Awards’ for Green Building Project of the Year, Landform House – the other dada

- **Hana Alamedine**, Contribution, WGBC MENA project for Guidelines for Sustainable Reconstruction and Recovery in the MENA region

Appreciation Certificates
To members with creativity in green culture and activity within LGBCC


- **Aram Yeretzian**, Leading work in Build-ME project, 2020

- **Ibrahim Kronfol**, ‘Green Apple Day – Green Champion’, as a team leader, 2020

- **Walid Haddad**, Reviving C&PR com, drafting Communications Plan, 2019-2020

- **Margueritta Hayek**, Supporting C&PR and Design Graphics, 2019-2020
Getting Started

Welcome to our new e-newsletter. We hope you like the new design, new format and new ways of sharing our knowledge and news with you.

It’s the New Year, often a time for new dreams and goals as well as renewed energy to get things done.

You’ll find that it is filled with various information, helpful hints and tips, events and news. We want this newsletter to be valuable for you to share your feedback and suggestions to help us improve.

It is an exciting period full of changes, for all of us at LGBC. We recently launched our new website. Visit us at www.lgbc-leb.org for information on all of our projects, newsletters and much more.

Be sure to join, follow, and like LGBC on our social media sites (linked in). Contact us (feedback, management) for even more informative articles on green buildings and other environment related issues.

New Interactive Website

This website reflects clearly on our target audience as follows:

a. The general public: 20% of our funding comes from members who have been our customer through our marketing channels. The remainder comes from both projects and sponsorship programs.

b. Businesses. We would like to strengthen our focus on corporate sponsorship during 2020 and use the website to support our related sponsorship projects.

c. Volunteering students. Social activities students donate 100 hours of their time to an NGO of their choice in addition to their year-end focus. The website should act as a recruitment drive for these volunteers.

d. Partners. We are continually expanding our partnerships network to environmental organizations and local NGOs. The website should act as a vehicle to strengthen our network.

New Office Location

LGBC Corporate Members

LGBC Membership in International Organizations

Projects

European Commission – EuropeAid/163012/DD/IC/T/18.1
UNDP Energy & Environmental Program – CEDRO 5 Project

"Promoting Innovation and Entrepreneurship in support to Lebanon’s clean energy initiatives"

Lebanon GBC applied as a co-applicant to Lot 1 of the call in partnership with CEDRO, April 2019. The application was awarded the grant in September 2019.

The project was awarded a grant of €100,000 for its renewable energy projects. The funding supports the development of a Web-based ARZ Green Building Rating System, which will be implemented in Lebanon by the end of 2020.

Congrats to Lebanon GBC for winning its most important project till date.
Accomplishments Report

January 2021

Looking Ahead
Looking Ahead

• Marketing Promotion for ARZ Building Rating System
• Maintain good relations with International donors
• Create a strategic link with OEA to strengthen the Scientific promulgation of the Sustainable Development culture
• & ...
Accomplishments Report

January 2021

Lebanon Green Building Council
Board February 2019 – February 2021