



GREEN INNOVATIVE DESIGNS



MEMBER OF
US GREEN
BUILDING
COUNCIL

COMPANY PROFILE
2016


REALIZING ENGINEERING EXCELENCE
&
MAKING GREAT IDEAS
GREEN

MEP CONSULTANTS
GREEN ENGINEERING & SIMULATION
LEED CERTIFICATION SERVICES



WWW.GIDCONSULTANTS.COM

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Introduction

GID is an Electro-Mechanical Engineering firm that was founded in 2010 with the purpose of providing specialized services in “*MEP Design & Supervision*” in addition to “*LEED Certification*”. GID is a member of both the Lebanese Green Building Council (LGBC) and the United States Green Building Council (USGBC).

Our Goals

At GID we are committed to working closely with our clients to provide them with satisfactory custom designs and solutions, while assuring coherence and efficiency between engineering systems and trades; or what is called a “*Smart Design*”.

In addition to design excellence and customer satisfaction we at GID are always striving to sustain the growth of the firm in terms of client base and knowledge acquisition.

Our Experience

Over the years and through hundreds of projects the expertise of the GID team in system-design and supervision of building services has cumulated up to millions of built-up square meters, covering most domains of the industry including airports, hospitals, malls, universities, high-rise residential towers and much more. With this capital of knowledge and experience GID is currently providing its services to all parts of the industry including government, public and private sectors.



Our Vision & Motto

GID's vision for the world is one in which wisdom is manifested in engineering practices, thus bringing awareness to both the engineer and the user and coming closer to perfection. GID plays its part in this formula by bringing together engineering excellence and energy conservation while carrying its motto:

“REALIZING ENGINEERING EXCELENCE & MAKING GREAT IDEAS GREEN”



Contact Information

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Letter From The Founder



Since its inception in 2009, our firm has strived to provide our clients with premium constancy services in the domains of "MEP System Design", "Green Building Services", and "Sustainability Engineering". In our long and fruitful pursuit to realize these goals, our firm and its team of talented engineers have pushed the limits by employing the latest in engineering codes while benefitting from best-practices. At "Green Innovative Design", we are always looking for optima system designs, inter-trade coherence with keenness for sustainability and economy.

It is our belief and vision that our firm has and will continue to work towards innovative thinking and introduce sustainable choices in the field of building services engineering. With this vision in mind, we ensure that all of our clients are provided superior customer service and that our engineers are provided with a platform for the exchange of knowledge and experience.

With that being said, I am proud to present you with our website. In it, you will find demonstrations that attest to the depth of our experience and quality of our professionalism. Also please do download our detailed company profile from our services section.

Lastly I thank you for reading our portfolio and taking interest in our services and we look forward to working together.

Haissam Al-Mahmoud
Managing Director & Founder

LEED AP BD+C, USGBC
Board Member, LGBC

A handwritten signature in black ink, appearing to read 'H. Al-Mahmoud', with a stylized flourish extending to the right.

Our Services

Codes & Standards

GID adopts the most up-to-date international standards and codes for all of its services. Some of these codes include: NFPA, ASHRAE, BS, EN, National Plumbing Code, ASTM, CLTD, IEEE, NF.

Program & Software Skills

Some of our team's expertise in programs and software include: HAP-Carrier, AUTOCAD, Revit, Elite, eQuest, DIALUX, ECODIAL, Equipment Selection Software, Microsoft Project and Microsoft Office Suite.

List of Our Services

Please find below a list of our services.

End-to-End Project Backup

- *Design Outline*
- *Sustainability Frame Work*
- *Design*
- *Design Audit*
- *Project Review & Evaluation*
- Cost Impact Analysis
- Value Engineering
- Pre-Acquisition Surveys
- Tender Documents
- Book of Specifications
- Bill of Quantities
- Design Drawings CAD / 2D / 3D / Revit
- Detail Drawings CAD / 2D / 3D / Revit
- Bidding Q&A Correspondence
- Project Work Schedule Audit
- Shop-Drawing CAD / 2D / 3D / Revit
- Coordination Composite Drawings
- Material Submittals Verification
- Shopdrawings Verification

- Re-Calculation Verification
- Site Supervision & Quality Control
- Operation & Maintenance Manual
- Commissioning & Handover Procedures
- Condition Surveys & Reports
- MEP Design & Supervision Training

Mechanical Design

- HVAC Design
- District Cooling
- District Heating
- Ground Source Heat Pumps
- Chiller Plants
- Water Tower Chillers
- Evaporative Cooling Systems
- Air Quality Management
- Air Sanitation Systems
- Water Distribution Networks
- Boiler Plants
- Steam Transmission
- Under Floor Heating & Cooling
- Panel Heating & Cooling
- Plumbing Networks
- Sewage Networks
- Drainage Networks
- Storm Water Networks
- Sewage Treatment Plants
- Water Treatment Plants
- Waste Management
- Ventilation
- Smoke Management
- Firefighting Systems
- Fire Suppression Systems
- Fire Safety
- Generator Rooms
- Industrial Laundry Rooms
- Industrial Food Production Facilities
- Warehouse MEP Infrastructure
- Specialized Storage Rooms
- Chemical Storage
- Fuel Oil Storage Tanks
- LPG Gas systems

- Metering Systems
- Energy Metering Systems
- Fire Alarm Systems
- BMS Systems
- Cooling / Heating Load Calculations
- Extreme Weather Building Service Systems
- Static Pressure Drop Calculation
- Water Demand Calculations
- Domestic Hot Water Storage
- Ice Storage
- Brine Tanks
- Cold Rooms
- Swimming Pools
- Water Features
- Water Falls
- Water Fountains
- Water Mirrors
- Sauna Rooms
- Steam Rooms
- Reverse Osmosis
- Irrigation Networks
- Irrigation Control
- Water Softeners
- Cold Rooms
- Industrial Kitchens
- Hospitals
- Clean Rooms
- Isolation Rooms
- Operation Rooms
- Morgue Rooms
- Incubation Rooms
- Laboratories
- Radiology Rooms
- MRI Rooms
- Heat Recovery Systems
- Emergency Rooms
- Fire Suppression
- Fire Fighting
- Car Wash Service Facilities
- Car Refuel Gas Station Facilities



Electrical Design

- CCTV
- Low Current
- Power Production Plants
- Power Distribution Networks
- Power for Mechanical Equipment
- Panel Schedule
- MDB Panels
- EMDB Panels
- ATS Panels
- ADB Panels
- Electrical Riser
- Panel Board
- Low Current
- Fire Alarm
- Public Address
- EIB system
- Data Networks
- LAN / MAN / WiFi
- Telephony PBX
- IP Phone
- Video Phone
- SMATV
- Fiber Optics
- Intercom
- Nurse Call Systems
- Paging Systems
- Lighting Control
- LUX Calculation
- Facade Lighting Design
- Lighting Features
- Road Lighting
- Landscape Lighting
- MCC Panels
- MCP Panels
- Cathodic Protection
- Surge Protection
- Earthing
- Lightning Protection
- Web Access Control
- BMS Networks
- Home Automation

- Pedestrian Conveyor Systems
- Security Systems
- Alarm System
- Life Safety
- Access Control
- Burglar Alarm
- Emergency Light
- Backup Systems
- Energy Billing Systems
- Escalators
- Elevators and Industrial Lifts
- Control Rooms
- Data Centers

Green Building Services

- LEED Energy Simulation & Modeling
- LEED Green Building Certification
- Green Building Design Audits
- Energy Audits
- Energy Reduction Studies
- Renewable Technologies Advice

List of Our Early Projects Involvement

<u>Project Name</u>	<u>Date</u>	<u>Scope</u>
Beirut General University Hospital (50,000 m2 - 500 beds)	1996- 1997	Design
Municipality of Tripoli	1997- 1999	Design & Supervision
UNESCO Palace – Beirut	1996- 1997	Design
Artizana – Beirut	1996- 1997	Design
Medical Health Club – Beirut	1995	Design
Beirut General University Hospital - Auxiliary Bldgs – Beirut	1996-1997	Design & Shop Dwgs
Solider lot 1154 – Beirut	1996-1997	Design

<u>Project Name</u>	<u>Date</u>	<u>Scope</u>
Solider lot 1155 – Beirut	1996-1997	Design
Jeita Country Club	1998-1999	Design
LAU Business School & Library Bldg.	1998-1999	Design
Dar Al Aitam	1998-1999	Design
Kempinski Beirut Hotel	1999	Design
Makassed Hospital Renovation	1999	Design
Laundry Building – AUB	2000	Design
Rida Said Conference Center - Damascus	2000	Design

<u>Project Name</u>	<u>Date</u>	<u>Scope</u>
Sheraton 4 points- Verdun	2000-2003	Design / Supervision
ST. George Hospital (400 beds)	2000-2004	Design / Supervision
Alshaya Commercial Center - Spinneys	2001	Design
Beirut Tower	2003-2004	Design
Dar El Shefa Hospital	2003	Design
Bechtel Engineering school – AUB	2004-2005	Design/ supervision
Pension Funds Office Bldg	2005	Shop drawing
UAE University- Alain	2006-2007	Shop drawing

<u>Project Name</u>	<u>Date</u>	<u>Scope</u>
Al-Sakr Tower – Sharja	2007-2008	Design
Radison Hotel – Kinshasa	2008	Design
Congo Tower - Kinshasa	2008	Design
Campus student dormitory	2009-2011	Design/ supervision
Abdouni Luxurious Bldg – Beirut	2010-2011	Design/ supervision
Patchi -2 Factory	2011	Design/ Supervision

V. Our Team

HAISSAM AL MAHMOUD

Managing Director & Founder

With a passion for innovation, green solutions and engineering, Haissam Al-Mahmoud founded GID in 2009 and became one of the few pioneers of green building designs in the region. Since then, these passions have been complemented by years of experience and a team of engineering experts. Mr. Al-Mahmoud specializes in “Green Building”, MEP, and “Sustainability Engineering” and has a long track-record of successful projects.

Education: *Bachelors in Mechanical Engineering (UL)*

Affiliations: *LEED AP BD+C*

Member of the United States Green Building Council (USGBC)

Member of American Society of Heating Refrigeration and Air-Conditioning Engineers (ASHRAE)

Board Member of the Lebanese Green Building Council (LGBC)

Member of the Lebanese Syndicate of Engineers and Architects (OAE)

Court-Appointed Expert Engineer of the Lebanese Judicial System

IMAD KAWWAS

Head Electrical Engineer & Associate

A long-time veteran engineer, with decades of experience in design and contracting of electrical systems, Mr. Kawwas currently serves as GID’s Head Electrical Engineer and one of the firm's co-founders and Associate.

Education: *Bachelors in Electrical Engineering (BAU)*

Affiliations: *Member of the Lebanese Green Building Council (LGBC)*

Member of the Lebanese Syndicate of Engineers and Architects (OAE)

SALAH AL-DYN ADADA

Executive Consultant, Co-Founder

With ten years of experience under his wing Mr. Adada plays an important role in the development and growth of GID. He functions primarily as our executive consultant and is also the senior projects site engineer. Other specialties include project planning, project technical backup, and project management.

Education: *Bachelors in Mechanical Engineering (BAU)*

Affiliations: *Member of the Lebanese Syndicate of Engineers and Architects (OAE)*

MAHMOUD KIBLAWI

Senior Mechanical Engineer

Our experienced Mr. Kiblawi currently heads our design department. Mahmoud is a Senior Mechanical Engineer with a Masters Degree in Engineering and hundreds of projects under his belt. He specializes in a wide range of MEP engineering projects.

Education: *Masters in Mechanical Engineering (RHU)*

Affiliations: *Member of the Lebanese Green Building Council (LGBC)*

Member of the Lebanese Syndicate of Engineers and Architects (OAE)

MOHAMMAD MRAD

Electric Design Engineer

Mohammad, with eight years of experience is GID's Electric Design Engineer. He is experienced in the design, supervision and the management of residential buildings, hotels, towers and street lighting projects and much more.

Education: *Bachelors in Electrical Engineering (BAU)*

Affiliations: *Member of the Lebanese Syndicate of Engineers and Architects (OAE)*

MAHMOUD YOUNES

Mechanical Engineer

Mahmoud is an ambitious Mechanical Design Engineer with a passion for knowledge, technology and a keen eye for details and perfection. He has worked on a wide-gamut of projects during his years at our firm. Mr. Younes also holds a Masters Degree in Mechanical Engineering.

Education: *Masters in Mechanical Engineering (CNAM)*

Affiliations: *Member of the Lebanese Green Building Council (LGBC)*

MUHAMMAD ZEIN

Mechanical Designer

Muhammad Zein is a sharp, determined and young Mechanical Designer. During his time at our firm, Mr. Zein has demonstrated agility and the ability to go beyond all expectations. He has obtained his Bachelors of Science in Industrial Engineering and Maintenance from the Institute University of Technology at the Lebanese University.

Education: *BS in Industrial Engineering and Maintenance (UL)*

Affiliations: *Member of the Lebanese Green Building Council (LGBC)*

AHMAD KHAIWI

Draftsmen & Quantity Surveyor

Ahmad is one of our young and passionate employees. He currently serves as GID's Draftsman and Quantity Surveyor. During his time at our firm, he has worked on tens of MEP projects.

Education: *Final Year Bachelors in Mechanical Engineering (BAU)*