



Tabaris - Beirut,

Fouad Chehab Avenue, Borj Al Ghazal Building

TEL. +961 1 202810/219225/202811/215282/338669/201073

MOB. +961 3 258017/258027

FAX. +961 1 219226

EMAIL. me@mouawad-edde.com

www.mouawad-edde.com

Index

INFRASTRUCTURE, ROADS, HIGHWAYS, BRIDGES, TUNNELS & MARINE WORKS		23
Infrastructure, Roads, Bridges & Tunnels	Beirut Central District	24
	Upgrading of Mar Mikhael Intersection	30
	Ghazir - Kfour - Fatka Road	32
	Tabarja - Tripoli Highway Sections 2 B & 3	32
	Chekka - Amioun - Kosba Road	33
	Bahsas - Port of Tripoli Highway	33
	The Rehabilitation of Tannourine Road	34
	Akkar Region Roads	36
	Baddawi - Abdeh Road	36
	Kosba - Torza - Ehden Road	36
	Hery - Kalamoun Road	36
	Ahlam	48
Water Supply & Sewage Network	Tebbaneh (Tripoli - Lebanon)	37
Water Supply System	Tripoli Potable Water Network	37
	Chekka - Enfé Water Supply Systems	38
	Jurd Akkar	40
Marine Works	Extension of Tripoli (Lebanon) Harbour	42
	Port of Tripoli	44
DAMS, ENVIRONMENTAL, EARTHWORKS AND LAND DEVELOPMENT		50
Dams	Chabrouh Dam	52
	Qaysamani Dam	58
	Balaa Dam	60
Environmental Works	Normandy Landfill Reclamation Project	62

Earthworks	Selaata Project	64
	Sibline Project	64

Land Development	Jal el Dib	65
	Maysra Development	66
	Adma-Dafné-Fatka	67

POWER PLANTS AND FACTORIES 68

Power Plants	Baddawi Power Plant	70
	Electrical Substation 220 kV - Horch Beirut	71
	Electrical Substation 220 kV - Mkalles	72
	Electrical Substation 225 kV - Marfaa BCD	72
	Hreishe Power Plant	73
	Blouza Power Plant	73

Factories	Industrial Crusher Chekka	74
	62-Meter Chimney Cimenterie Nationale Chekka	74
	Tobacco Plant Ghazieh	75

PUBLIC AND PRIVATE BUILDINGS 76

Office Buildings	Bank Audi Plaza	78
	Elie Saab building	80
	Borj El Ghazal Project Beirut	82
	Allied Real Estate Building	83
	Swiss Embassy	83
	Debbas Office Building	84
	Al Mawarid Bank 1383 - Headdquarters	86
	UBP Bank Premises	87
	Yemen Telecom Control Building	87
	Emirates Lebanon Bank	88
	Point A	91
	Samrya Twin Towers	92

Index

Exhibition	Tripoli Exhibition Fair	93
<hr/>		
Residential Centers	MBB Mansion in Dahr Al Souwan	93
	Saifi Housing	94
	Residential Building Plot 629	98
	Residential Building Parcel 628	98
	Milad Mouawad Building	98
	Residential Building Parcel 358	98
	Residential Building Plot 401	99
	Residential Building Plot 618	99
	Residential Building Plot 397	99
	Maronite Social Fund	100
	Moritra Project	100
	Milad Mouawad Building	100
	Khoury Project Gardens and Swimming Pools	101
	Mikhael Daher Building	101
	Retails Nodes & Townhouses THE PEARL - QATAR	102
	Urban Dreams	104
	Les Residences du Vieux Quartier	105
	Byblos Sud	106
	Abadiyah Hills	108
	Ashrafieh Heights	110
	RHR 834 Complex (Under Construction)	111
	RHR 1410 Complex (Under Construction)	111
	Beirut, Square II Complex (Under Construction)	112
	La Plaza Residence	114
	AMA 599 Residential (Under Construction)	115
<hr/>		
Villas & Palaces	Villa Plot 599	116
	Villa Ghanem	117
	Three Independent Villas Plot 1302	118
	Villas on Plot 902	118
	Villa Abadiyah	118
<hr/>		
Cathedral	Cathedral and Seminary Carmelites	119
<hr/>		
Hotel	Belmont Hotel	120
	Mövenpick Hotel Building Sanaa (Yemen)	122

Galleries	Commercial Gallery Intermeuble	124
	Showrooms and Offices Kamishibai	
	- Les Artisans - Mouawad Offices	124
<hr/>		
Jail	Roumieh Jail	125
<hr/>		
Schools	Lycée Franco-Libanais	126
	Athénée School	126
	IC Beirut- Elementary and Complementary Schools	127
<hr/>		
Universities	Lebanese American University - Faculty of Architects	128
<hr/>		
Hospitals	Dar El Raha Ehdn	129
	Middle East Institute of Health	129
<hr/>		

COMMERCIAL CENTERS 130

Commercial Centers	Zaitunay Bay	132
	ABC Mall Beirut	136
	Extension and Façade Re-lifting of ABC Mall Dbayeh	138
	Beirut Mall	142
<hr/>		

RESTORATION WORKS 144

Museum	Renovation of National Museum's Facades	146
	Internal Renovation of National Museum	147
	Beirut Museum (Under Construction)	148
<hr/>		
Palace	Rehabilitation of Trad Palace	150
<hr/>		
Theatre	City Theatre Clemenceau	151
<hr/>		

WASTE MANAGEMENT 153

City Blu - Collect	Collection of Municipal Solid Waste in Service Area:	154
	Baabda, Aaley and Chouf Cazas	
City Blu - Sweep	Public Cleaning Services in Baabda,	156
	Aaley and Chouf Caza	

History

Since the end of the seventies, Mouawad-Edde has been a company that unified two energies in such an interactive way that their specific contributions led to a sound and reputable company.

First of all, Milad Ghazal Mouawad is the personification of common sense, intuition, business acumen and the know-how of a man whose name is, today, synonymous with the respect of values. Milad Mouawad, a man of his word, has always privileged his involvement in public works (roads, highways and public buildings) by developing an unfailing concern to deliver as quickly as possible the projects that are entrusted to him. At the beginning, he set up a small enterprise bearing his name. Then, he founded with Engineer Emile Khat, the company Khat & Mouawad. Since 1978, he started to prepare the way for establishing a holding company where his two sons, Georges and Joseph, could work in their capacities as Engineers, one who have studied in France and the other in the United States of America, by teaching them his own professional values.

And that is when he had the very good idea to propose to the Engineer Charles Edde, who is very well-known for his high moral qualities, his technical skills and his devotion for good work to create a partnership between both of them and set up the Mouawad-Edde SARL company.

Mouawad-Edde took on the ME name. It is the merge of two complementary competences that strive hard to organize, execute and deliver projects. Projects that have become bigger and bigger and whose complexities are up to the challenges of each project.

Today, ME is widely recognized and represents a guarantee to its clients in terms of projects well executed and implemented, as it is shown in the pictures of the present catalogue.

As far as ME partnership is concerned, some changes have recently occurred due to the passing away of the founder Mr. Milad Mouawad and to the departure of Milad Mouawad's son, Joseph Mouawad and the arrival in 2012, of his grand-son, Milad Mouawad.

Legally speaking, some changes have also been applied in the view of making the company's activities more efficient outside Lebanon. This is why the two entities Mouawad-Edde Holding SAL and Mouawad-Edde Offshore have been created with the same new partnerships and the same objectives, and Mouawad-Edde sarl has moved to be Mouawad-Edde SAL.

Nevertheless, it is the same leading and innovative spirit that drives Mouawad-Edde company with the same determination to deliver complete projects with the highest work quality standard on time opening new horizons for its activities in the new energies and services.

Quality Policy

Mouawad Edde is one of the leading construction companies in Lebanon, which provides services for residential, commercial, real estate as well as for infrastructure and earthworks disciplines. Our policy is to provide results that exceed client's expectations, by attracting qualified employees and seeking out high quality manpower and by evaluating our suppliers.

In order to enhance our customer's perception, Mouawad-Edde has adopted a quality management system that complies with the International Standard ISO 9001: 2008 and updated to become ISO 9001-2015. This Quality System provide clients with the assurance that the projects completed by ME will be of a consistently high standard.

The Management of ME is totally committed to the implementation maintenance and continual improvement of this quality management system and, in return, expects every employee to contribute and support it.

Mouawad Edde, with the support of all its employees, strives to implement the below objectives in order to satisfy customer requirement and enhance its image in the construction market:

- Complete construction projects with highest standards
- Use the best quality products from reputable suppliers
- Use the best qualified and resourced sub-contractors
- Provide a work environment that will attract quality people and maintain existing ones
- Create and maintain a safe working environment for all staff, sub - contractors and visitors
- Meet standards and legislative requirements to enable ME to compete on larger projects

Quality objectives in line with this policy have been established, communicated, understood and implemented throughout the processes.

All employees are given awareness training to ensure this Quality Policy is understood, implemented and maintained.

George M. Mouawad

Charles F. Eddé

Milad G. Mouawad

MANAGEMENT PROFILE

CHARLES FARID EDDÉ

Born 1944, Lebanese.

Holder of an E.S.I.B Civil Engineering degree, 1965 and a D.E.S. in Economic Sciences, 1978.

He successfully exercised his skills since 1966 in the Civil Engineering and construction profession.

Managing Partner of Mouawad-Eddé since 1983.

Member of the Lebanese order of Engineers.

Member of the board of Lebanese syndicate of contractors.

GEORGE MILAD MOUAWAD

Born 1957, Lebanese.

Holder of a Civil Engineering degree from ENTPE - Paris, 1981.

Has exercised his skills since 1981 mainly on roadworks and land development projects.

Member of Lebanese order of Engineers.

Former member of Economic and Social Council of Lebanon.

Former member of Lebanese Syndicate of Contractors.

MILAD GEORGE MOUAWAD

Born 1988, Lebanese.

Holder of a Civil Engineering from the American University of Beirut, 2010 and Masters in Construction Management from Kingston University London, 2012.

He has been putting his knowledge into hard work ever since he graduated.

Partner at Mouawad-Edde.

Founder and Managing Director of Cityblu, the waste management division of Mouawad-Edde.

Member of the Lebanese Order of Engineers.

OUR MISSION

Our mission is summarised in one word - competence - in order to carry through the successful completion of projects we undertake and the works we accomplish by providing end results that exceed the clients' expectations.

As a concept, competence is far more complex than it appears at first sight. Competence means first and foremost the skills needed to create top quality work while providing high value for money. From the outset, Mouawad-Eddé has sought out and fostered these skills to maintain the highest standards of capability.

Competence likewise signifies the physical capacity to undertake projects that often demand specialised equipment.

Mouawad-Eddé has assembled an outstanding collection of specialised machinery as well as more versatile equipment. This flexibility allows the work to proceed smoothly, up to standards and within prescribed completion dates.

Finally, competence is the means to win the trust of our clients as Mouawad-Eddé will deliver work up to their expectations, representing high value for money. Obtaining this trust is not an easy task and so our continuous success speaks for itself. In the final analysis, this is our outstanding capability: the capability that surpasses all others.

BUREAU VERITAS
Certification



MOUAWAD EDDE
FOUAD CHEHAB AVENUE, SAIFI, BEIRUT-LEBANON

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

**CONSTRUCTION AND CONSTRUCTION MANAGEMENT FOR BUILDINGS
(RESIDENTIAL, COMMERCIAL, REAL ESTATE)
AS WELL AS FOR INFRASTRUCTURE AND EARTHWORKS**

Original cycle start date:	22-January-2013
Expiry date of previous cycle:	21-January-2016
Recertification Audit date:	20-December-2017
Recertification cycle start date:	22-January-2016

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **21-January-2019**

Certificate No. IND15.7593/U/Q **Version: No. 2** Revision date: 12-March-2018

Certification body address: 8th Floor, 66 Prescott Street, London E1 8HG, United Kingdom
Local office: Bureau Veritas Liban SAL – Dedeysn Center 9th Floor – Dors - Lebanon



0008

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.
To check this certificate validity please call: 961 1 240540 / 640

Date: 12/07/2018

Ref: 10/158/18

To whom it may concern,

Dear Sirs,

We have the honour to introduce and recommend to your goodselves Mouawad Edde.

Our relationship with Mouawad Edde has always been entirely satisfactory and allowed us to observe the seriousness and high standards of the firm, together with the competence and high moral standards of their Partners and Directors who, to this date and to our knowledge, have always fulfilled their commitments possessing important personal financial means.

BYBLOS BANK SAL

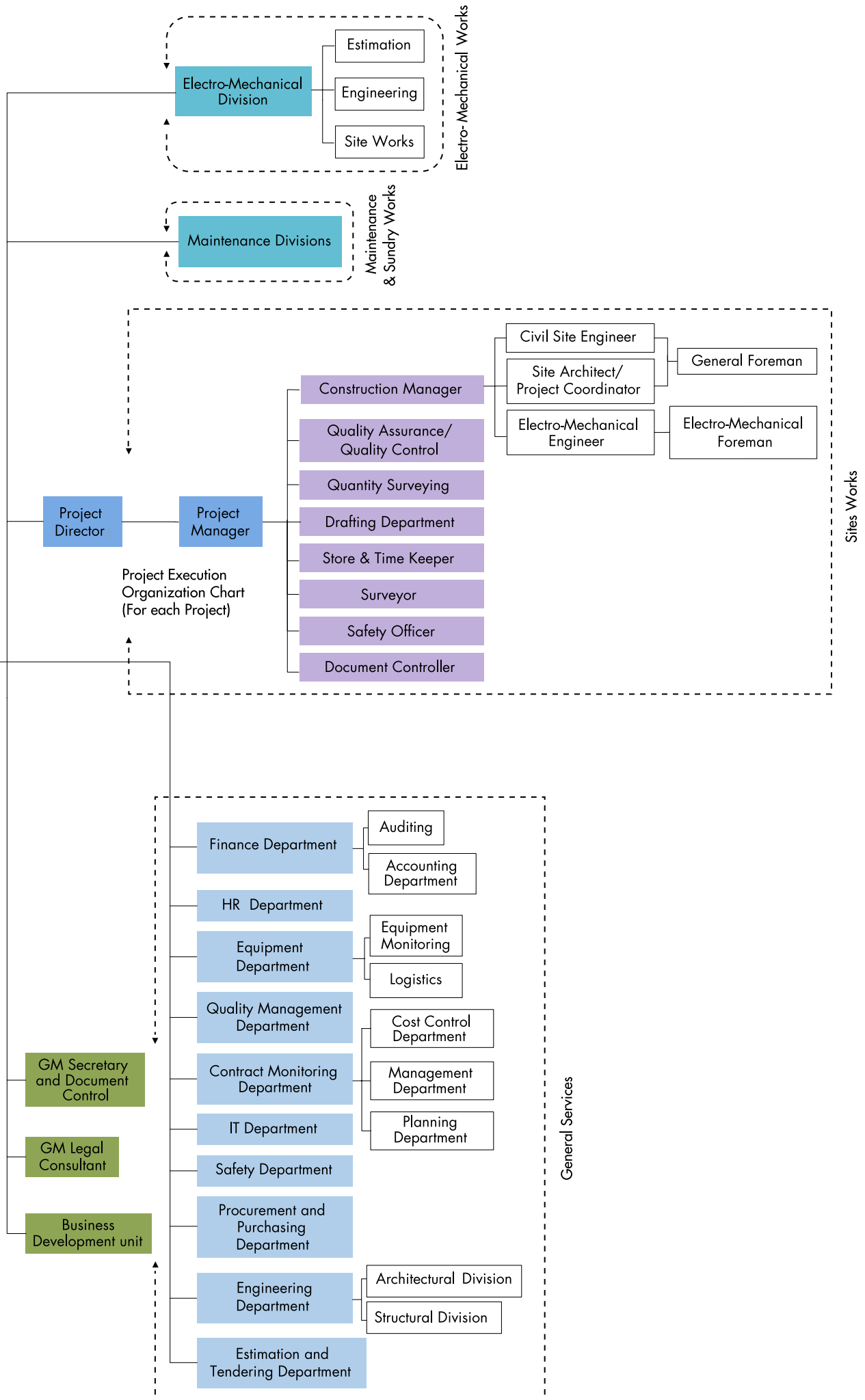
Sassine Branch



BYBLOS BANK SAL
Sassine Branch
A. BOU HABIB
GABRIEL FERNAINE

MOUAWAD-EDDE ORGANIZATIONAL CHART

General Management



COMPLETED AND IN PROGRESS WORKS

The ultimate measuring rod of a contractor's success is his completed works. Private buildings, public institutions, commercial property and public works all standing as evidence of quality and skillful performance.

These are the records for all to see and we feel proud of that.

SELECTION OF PROJECTS

Date of Completion	Project	Location
1978	Belmont Hotel	Ehden
1982	Beddawi Road	Abdeh
1983	Apartment Building Plot 358	Adma
1983	Apartment Building Plot 401	Adma
1983	Hery Road	Hery - Kalamoun
1984	Tabarja - Tripoli Highway	Tabarja - Tripoli
1984	Chekka - Amioun Road	Chekka - Amioun
1985	Kosba Road	Kosba - Torza - Ehden
1985	Villas Plot 902	Fatka
1987	Apartment Building - Plot 628	Adma
1987	Showrooms and offices	Jounieh
1988	Apartment Building Moritra	Hazmieh
1988	Villas Plot 599	Adma
1988	Rehabilitation of Trad Palace	Kfour
1988	Apartment Building - Plot 618	Adma
1988	Apartment Building - Plot 629	Adma
1989	Gardens & Swimming Pool	Naccache
1991	Akkar Region Roads	Akkar
1991	Gallery Intermeuble	Kaslik
1991	Apartment Building - Plot 397	Adma
1992	Land Development	Adma - Dafne - Fatka
1992	Bahsas - Port Tripoli Highway	Bahsas - Port of Tripoli
1992	Villa Ghanem	Rabieh
1993	Jal el Dib Development	Jal el Dib
1993	62 meter Chimney - National Cement Co.	Chekka
1993	Industrial Crusher National Cement Co.	Chekka
1995	Cathedral & Seminary Carmelites	Nahr Ibrahim
1995	Debbas Office Building Corniche Nahr	Beirut
1995	Villas Plot 1056	Nahr Ibrahim
1995	City Theater Clemenceau	Beirut
1995	Independent Villas - Plot 1302	Adma
1996	Land Development	Maissra
1996	Allied Real Estate Building	Sin El Fil
1996	Two School Buildings - Athénée	Baslim
1997	Furbishment of Swiss Embassy	Beirut
1998	Beddawi Power Plant (450 MW)	Beddawi
1998	BCD Electrical Substation (225KV)	Beirut
1998	School Lycée Franco-Libanais	Nahr Ibrahim
1999	Beirut Central District : Infrastructure, Roads, Bridges & Tunnels	Beirut
1999	Mkalles Electrical Substation (220KV)	Mkalles

1999	Les Pins Electrical Substation (220KV)	Beirut
1999	Internal Renovation of National Museum	Beirut
1994	Borj Al Ghazal Building	Beirut
1999	Sibline project	Sibline
1995	Renovation of the National Museum Facades	Beirut
2001	Audi Plaza Bank	Beirut
2001	Saifi Housing Project	Beirut
2002	National Institute of Health	Bsalim
2002	Selaata Project	Selaata
2003	ABC Shopping Mall	Beirut
2004	Social Maronite Housing	Bsalim
2004	Normandy Landfill Treatment	Beirut
2005	Tebbaneh Internal Road and Infrastructure	Tripoli
2005	Ghazir - Kfour - Fatka Road	Kesserwan
2005	Elie Saab Headquarters	Beirut
2005	Yemen Telecom Control Building	Yemen - Sanaa
2006	UBP Bank Premises	Beirut
2007	Bsalim Development	Bsalim
2006	Movenpick Hotel	Yemen - Sanaa
2006	Beirut Mall Project	Beirut
2007	Extension Tripoli Harbor	Tripoli
2007	Mikhael Daher Building	Baabda
2007	Pearl Projeet - P1, P2, P3	Doha Qatar
2008	Al Abaydah Hills	Al-Abaydah
2009	Byblos Sud	Byblos
2010	MBB Mansion	Hazmieh Brazilia
2010	Potable Water Network	Tripoli
2010	Chabrouh Dam	Chabrouh Kesrouwan
2011	Zaitunay Bay	Beirut
2011	Upgrading of Mar Mikhael Intersection	Chiah
2012	Fouquet - Residence du Vieux Quartier	Ashrafieh
2012	Samrya Twin Tower	Doha-Qatar
2012	Extension ABC Mall	Dbayeh
2013	La Plaza Residence	Jal El Dib
2015	Hotel Belmont Refurbishment	Ehden
2017	Chekka - Enfeh Water Supply Systems	Chekka - Enfeh
2017	Qaysamani Dam	Qaysamani
2017	Tripoli Port	Tripoli
2017	Ashrafieh Heights	Ashrafieh
2017	Emirates Lebanon Bank	Beirut
2017	Ahlam	Kesrouan
2017	Jurd Akkar	Akkar
-	Tannourine Road (under constraction)	Batroun
-	Villa Abadiyeh (under constraction)	Abaydyah
2018	IC- Elementary and Complementary Schools	Beirut
-	LAU- Faculty of Architects (under constraction)	Beirut
-	RHR 834 Complex (under constraction)	Beirut
-	RHR 1410 Complex (under constraction)	Beirut
-	AMA 599 Residential Building (under constraction)	Beirut
-	AMB Headquarter Mawarid Bank (under constraction)	Beirut
-	Waste Collection (on going)	Baabda, Aley, Chouf
-	Beirut, Square II Complex (under constraction)	Beirut Central District
-	Urban Dream (under constraction)	Sinn el Fil



INFRASTRUCTURE,
ROADS, HIGHWAYS,
BRIDGES, TUNNELS
& MARINE WORKS



You win
by working hard,
making tough decisions
and building coalitions.

John Engler





Infrastructure, Roads, Bridges & Tunnels

Beirut Central District

Client: Solidere s.a.l.

Consultants: Dar Al-Handasah
Shair & Partners

Project completed in 1999







Infrastructure, Roads, Bridges & Tunnels



Beirut Ce strict

Mouawad-Eddé has executed under the supervision of Dar Al Handassah (Shair and Partners), the works of the Infrastructure of a Beirut Central District, Phase I within the period from 19/01/1995 to 30/12/1999.

Period extended for force majeure and archeological finding interruptions.

The works comprised of:

Roads, bridges and underpasses with finishings and supporting electro-mechanical services, culverts and networks for water, stormwater, sewage and civil works for electro-mechanical utilities, in addition to miscellaneous works including a pumping station, retaining walls, shoring and support systems, an irrigation pumping station and related network in addition to dredging, reclamation fill and rock protection.

The subject works as aforesaid have been timely and satisfactorily completed in conformity with the technical specifications and requirements.

- 21 km of roads (width varying from 7m to 40m) including excavation backfilling, asphaltting, curbs, marking, highway signing and traffic signals.
- Three underpasses in reinforced and prestressed concrete spanning between 10.50m and 40.00m (excavation, structural, finishing and electrical works).
- 1.5km of tunnels cut and cover in reinforced concrete (excavation, structural, finishing, mechanical & electrical works).

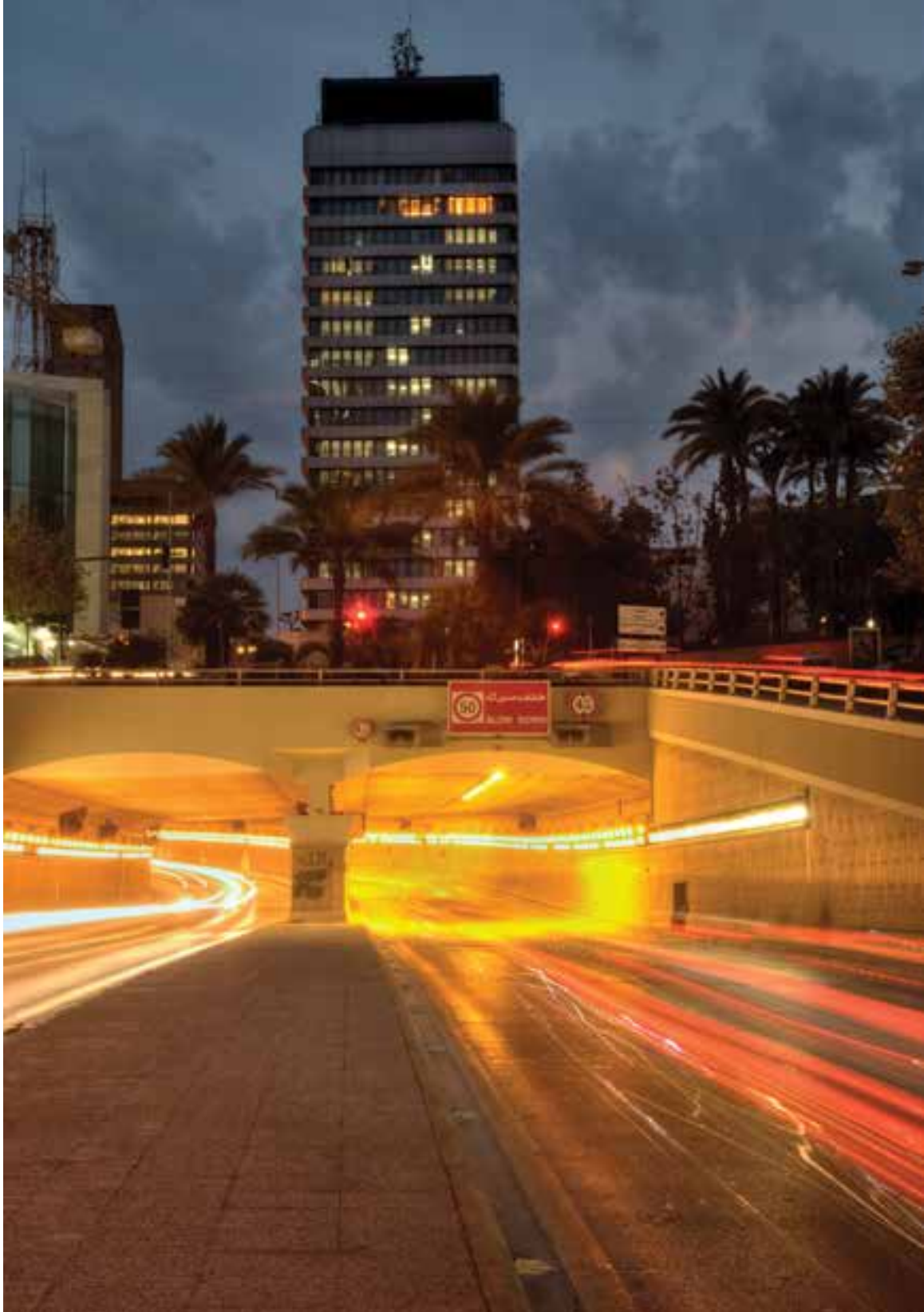


- Bridges of multiple bays and double voided and one interchange with three levels, spanning between 8.00 and 15.00m and a total length of 770m (excavation, structural in reinforced and prestressed concrete, finishing & electrical works).
- Marine works (dredging, reclamation, rock armour and protection wall and related miscellaneous works).
- Sewerage pumping station, irrigation pumping station, oil separator chamber, three electrical substations and 8,00km of culverts in reinforced concrete (side weir box culvert, electrical culverts and stormwater culverts).
- New environmental works to all BCD: sewerage (23.3km of pipes), storm-water (17.9km of pipes), water supply (26.2km of pipes) and irrigation (37.0km of pipes) networks.
- Several retaining walls in reinforced concrete.
- Retaining works (Piling, shoring to excavations, shotcrete...).
- Electrical works for all structural works and roads including civil works for telephone cables network, cable TV network and electrical networks (high voltage 66kV, medium voltage 33kV and low voltage) including street lighting network and traffic light system for the Central District.
- Mechanical works for tunnels, sewerage pumping station, irrigation pumping station and electrical box culverts including fans, control, pumps, boosters, valves, fire hose cabinets, fire extinguisher, fittings...



Infrastructure, Roads, Bridges & Tunnels

Beirut Central District







Infrastructure, Roads, Bridges & Tunnels

Upgrading of Mar Mikhael Intersection

Client: Council for Development and Reconstruction

Consultant: Team

Project completed in 2012



The works included the construction of a 75m underpass along Chiyah boulevard, consisting of two ways.

The overall length of the underpass is around 600 m. The works also include the construction of secondary roads adjacent to the underpass and other ancillary works, such as Diaphragm walls with a maximum 15m depth, drainage, lighting, sewage, potable water, electro-mechanical and road safety devices, in addition to relocation of existing telephone and electrical high voltage networks.







Infrastructure, Roads, Bridges & Tunnels



Ghazir - Kfour - Fatka Road

Client: Council for Development and Reconstruction

Consultant: AKL and Jorr

Project completed in 2005

Refurbishment, Widening and Rehabilitation of Road Works.



Tabarja - Tripoli Highway Sections 2 B & 3

Client: Council for Development and Reconstruction

Consultant: Dar Al-Handasah, Nazih Taleb

The works were carried out between October 1977 and March 1984.

The works consisted of opening 30km expressway between Tabarja and Chekka, to be later extended to the city of Tripoli. This was, by far, the most important road project carried out in Lebanon during this period. The roadworks involved the excavation and filling of about 1,500,000 cubic meters of earthworks, asphalt works of about 175,000 cubic meters of asphalt and pouring about 350,000 cubic meters of concrete for the construction of bridges, culverts and retaining walls. The roadworks were preceded by the construction of a stormwater drainage network, of a sewerage network and of a water supply network.

A landmark in the construction of this expressway resides in the tunnel which was opened across the mountain overlooking the bay of Chekka with the use of a very modern and performant tunneling machine purchased in Germany. The works were completed with road marking and street furniture works.

Infrastructure, Roads, Bridges & Tunnels



Chekka - Amioun - Kosba Road

Client:

Council for Development and Reconstruction

Consultant: Dar Al-Handasah, Nazih Taleb

Project completed in 1984

The project consisted of the rehabilitation of the existing road and its widening into a three-way primary road. The works comprised of earthworks, the construction of reinforced concrete bridges and culverts, the implementation of utilities and services and completion with asphalt works.



Bahsas - Port of Tripoli Highway

Client: Ministry of Public Works

Consultant: Ministry of Public Works

Project completed in 1992

The project consisted of opening an express way between Bahsas and the port of Tripoli.

The project comprised of earthworks, the construction of reinforced concrete bridges and culverts, the implementation of utilities, services and the completion with asphalt, road marking works and installation of street lighting.

Infrastructure, Roads, Bridges & Tunnels

The Rehabilitation of Tannourine el Tahta - Tannourine el Fawka Road

Client: Council for Development and Reconstruction

Consultant: KREDO sal

(under construction)



Rehabilitation and Widening of the Road
Connecting Tannourine El Tahta - Wata Houb
- Tannourine El Fawka, a single carriageway
road composed of one 3.5m traffic lane in
each direction with 1.5m wide asphalted
shoulders that is about 6.90km Long.







Infrastructure Works

Ahlam

Client: Ahlam Land sal

Consultants: Rafic El- Khoury & Partners

Completion Date: October 2017



The project includes the construction, completion and maintenance during the defect liability period of the infrastructure works – phase 1 of Ahlam Mountain Resort located in Kfardebian Lebanon.





The scope is defined hereunder:

- a. Storm Water Network;
- b. Sewage Network;
- c. Domestic Water Network;
- d. Irrigation Water Network;
- e. Electrical and Street light Network;
- f. Road Works;
- g. And all related civil and architectural works and electromechanical Works.





Infrastructure, Roads, Bridges & Tunnels



Akkar Region Roads

Client: Ministry of Public Works
Consultant: Ministry of Public Works
Project completed in 1991

The project consisted of the rehabilitation of existing roads into a two-way secondary road. The project comprised of earthworks and asphalt works throughout.

Beddawi - Abdeh Road

Client:
 Council for Development and Reconstruction
Consultant: Dar Al-Handasah, Nazih Taleb
Project completed in 1982

The project consisted of the rehabilitation of the existing road into a three-way primary road. The project comprised of earthworks, the construction of reinforced concrete bridges and culverts, the implementation of utilities and services and completion with asphalt and road marking works.



Kosba - Torza - Ehden Road

Client: Council for Development and Reconstruction
Consultant:
 Dar Al-Handasah, Nazih Taleb
Project completed in 1985

The project consisted of the rehabilitation of the existing road and its widening into a three way primary road. The works comprised of earthworks, the construction of reinforced concrete culverts, the implementation of utilities and services and completion with asphalt and road marking works.

Hery - Kalamoun Road

Client: Council for Development and Reconstruction
Consultant:
 Dar Al-Handasah, Nazih Taleb
Project completed in 1983

The project consisted of the rehabilitation of the existing road into a three-way primary road. The project comprised of earthworks, the construction of reinforced concrete bridges and culverts, the implementation of utilities and services and completion with asphalt works.

Water Supply & Sewage Network | Water Supply Systems



Tebbaneh (Tripoli - Lebanon)

Client: Council for Development and reconstruction

Consultant:

Bureau Technique pour le Developpement (BTD)

Project completed in 2005

Infrastructure, Sewage and Water Supply
Networks and Asphaltting Road Works.

The work comprised of:

- Sewage network installations
- Stormwater network including reinforced concrete
- Potable water network installation
- Road works
- Hardscape including sidewalk installations

Tripoli Potable Water Network

Owner: Council for Development and Reconstruction

Consultant: Ondeo Liban

Project completed in 2010

The work comprised of:

- Potable water transmission network consisting of ductile iron pipes with diameters varying between 500mm and 1,500mm with a total length of 11,000m
- Potable water distribution network consisting of HDPE with diameters varying between 63mm and 140mm with a total length of 94,000m
- Potable water house connection for 4,500 residential units
- Installation of water meter systems totaling 26,000 units
- Installation of 1000 main ductile iron valves with diameters varying between 80mm and 500mm
- Installation of 200 air release valves and strainers
- Asphalt work of 100,000m²
- Hardscape work including sidewalk installation for 25,000m²



Water Supply Systems

Chekka - Enfé Water Supply Systems

Client: Council for Development and Reconstruction

Engineer: GETI

Completion date September 2017

The project consists of the execution of a complete water supply system for the Chekka - Enfe region in North Lebanon Governate, including water tanks and supply and distribution networks.

The works include the following:

- Drilling and equipping a new water well
- Construction of pumping stations
- Construction of lift lines
- Construction of new reservoirs of 3,000m³ in capacity each
- Construction and equipment of the valve chamber
- Equipment of existing water wells
- Construction of water distribution pipes
- Construction of service and house connections





Water Supply Systems

Jurd Akkar

Client: Council for Development and Reconstruction

Engineer: Bureau Technique pour le Developpement

The works comprise the following:

- Construction and equipping of 2 pumping stations for Michmich and Wata Michmich boreholes.
- The equipping of the pumping station in Hrar.
- The construction of 4 reservoirs for the villages of Dinbo, Hrar, Michmich and Wata Michrnich.
- The construction of several gravity and lift lines
- The construction of 6 distribution networks including service and house connections for the villages of Baja' a, Hrar, Michrnich, Mbarkiye, Qabaait and Wata Michrnich
- The construction of Hrar gravity line
- The construction of the distribution network of the village of Dinbo







Marine Works

Extension of Tripoli (Lebanon) Harbour

Client: Office d'Exploitation du Port de Tripoli (OEPT)

Consultants: Groupement Sogreah - Best

Project completed in 2007

The project was performed in collaboration with our sister company MM Hydromar

The project comprised of:

- Breakwater construction: 3,600m
- Quarry Run: 1,100,000 Tons
- Rocks (1-15 Tons): 920,000 Tons
- Reinforced concrete Foundation Piles: 750m
- Accropodes (9-12m³): 3,500 units
- Pre-cast concrete: 460 units
- Reinforced concrete seawall: 34,000m³
- Steel: 3,200 Tons







Marine Works

Port of Tripoli (Lebanon)

Client: Office d'Exploitation du Port de Tripoli (OEPT)

Consultants: Dar Al Handasah

Completion date: March 2018

Construction of roads and quays, including main gates, all intersections, access roads to utility services, tie in with the external road, sidewalks, medians, curbs and complete infrastructure consisting of sewage, stormwater, network, potable water, electrical and firefighting systems.

The project consists of the Construction of the Container pavement and RTG area Phase 2 which is about 465,847m² and a high mast with six sodium floodlights.





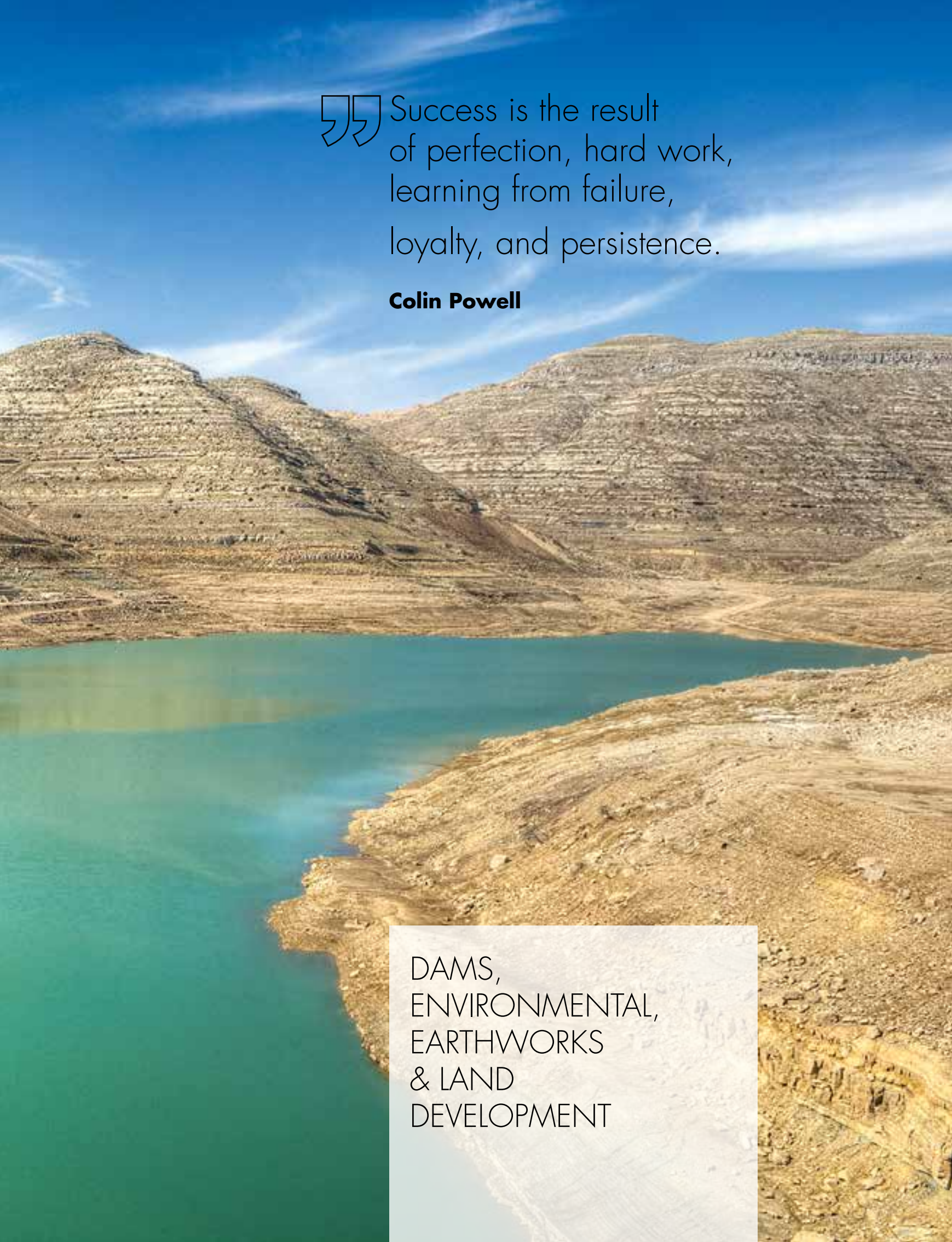


Marine Works









” Success is the result
of perfection, hard work,
learning from failure,
loyalty, and persistence.

Colin Powell

DAMS,
ENVIRONMENTAL,
EARTHWORKS
& LAND
DEVELOPMENT



Dams

Chabrouh Dam

Client: Ministry of Water and Energy
Location: Chabrouh, Faraya
Engineer: Coyne and Bellier - Liban Consult
Construction period: 2002-2007
Project completed in 2007





Dams

Chabrouh Dam

The works comprised of the following:

- Road works including excavation, backfilling, retaining walls, pipe installation, asphalt work having the following quantities:
 - . Dam Height: 70m
 - . Excavation: 705,000m³
 - . Backfilling: 1,612,000m³
 - . Retaining walls: 12,375m³
 - . Pipes: 11,230m
 - . Asphalt work: 11,640m³
- Construction of industrial buildings and electromechanical installation
- Deep well excavation, shotcreting, shoring
- Tunnel work consisting of excavation, reinforced concrete and related hydromechanical and electrical installation
- Potable water treatment plant with a normal flow capacity of 60,000m³/day:
 - . Pre-treatment of raw water
 - . Primary treatment
 - . Secondary treatment
 - . Tertiary treatment
 - . Chemical room







Dams

Chabrouh Dam







Dams

Qaysamani Dam

Owner: Republic of Lebanon / CDR

Engineer: Liban Consult AGM -
- Consulting Engineers

Completion Date: September 2017



The Project consists of the execution of Dam retaining a volume of 1,000,000m³ as well. The Design and Construction of a Water Treatment Plant for 12,000m³ per day.





Balaa Dam

Owner: Ministry of Energy and Water

Consultant: Khatib and Ahlami / Artelia
(under construction)



Balaa Dam and Lake is an artificial Lake with a Capacity of 1,700,000m³ in a natural valley at Balaa - Batroun Caza. The main purpose is to distribute potable water to the nearby towns and regions during the dry season, in addition to supporting the existing irrigation projects at this region.

The project consists of a rock fill volume for dam and lake of 970,000m³, dam height 48m and length of 450m. This is in addition to the treatment plant located downstream of the dam, it collects water from the dam by gravity through a 30cm pipe located under the dam footprint. The irrigation water is collected through a 120cm pipe embedded in a concrete encasement under the dam.





Environmental Works

Normandy Landfill Reclamation Project

Client: Solidere s.a.l.

Main Contractor: Radian International LLC

Earthworks and Environmental works:

Mouawad-Eddé

Construction period: 1999-2004

Project completed in 2004



Mouawad-Eddé has performed in the Normandy Landfill Reclamation project (Beirut) and for Radian International LLC material handling and excavation according to a contract signed in 1999 which ended in 2004. The scope of works of Mouawad-Eddé includes the excavations and transportation of up to 5,000,000m³.

The landfill covers an area of about 20 hectares.

These works are described as follows:

General excavation above sea level and presorting in the following sequences.

- Dozing landfill material for mixing composting and drying to reduce moisture content of the landfill material and stock piling in front of mechanical presorting screens.
- Feeding the mechanical screens to separate excavation material into reject and fine material.
- Loading and hauling the oversize (rocks, plastic, tires...) material to the compost area and to the stock pile.
- Loading and hauling the presorted fine material to the trommels and adequate plants.

Feeding in and out the Trommels and plants in the following sequences:

- Feeding the Trommels and plants from the presorted material
- Loading and hauling the sorted fine material, the plastics and the small rocks from the trommels and plants to stockpiles areas.



Subsea Excavation

This operation consisted of excavating about 2,500,000m³ below sea level (to a depth reaching about 17m below mean sea level) and stockpiling on land for gravity dewatering.

Drying subsea Material and carting away in the following sequences.

- Loading hauling and windrow spreading of subsea material to onsite clear areas for drying.
- Loading and hauling of oversize rock to crushing plant, sorted tires, and plastics to the appropriate Trommels and plants.

Backfilling of the treated material and compaction where needed.

All the above works are carried out timely and satisfactory in conformity with the technical specification and requirements.



Earthworks



Selaata Project

Client: Cimenterie Nationale

Project completed in 2002

Scope of work: The work consists of excavations and hauling of Blasted Rock Material offsite.



Sibline Project

Client: Consolidated Contractors Company (CCC)

Project completed in March 1999

(6 months period)

Scope of work: The work consisted of furnishing three Off Road Construction Dump Trucks (each of 35 tons capacity) to transport blasted rock material from loading locations at lower levels to three dump screen locations at higher levels of the Quarry site. The approximate complete cycle distance between the loading and dumping location is 2km at an average road slope of 11%. The expected complete cycle time is 20 minutes at a speed of 20km/hr. Working hours were 24 hrs. per day, 26 days per month. Effective production for the three trucks was 4,500 tons (2000m³) per day.

Land Development



Jal El Dib

Client: JADEV (Jal El Dib Development Co.)

Consultant: Engineer Jean Kilzi

Project completed in 1993

Roads, sewage, drainage and other infrastructure works.



Earthworks



Maysra Development

Client: Messrs George and Joseph Mouawad

Consultant: Engineer Georges Maroun

Project completed in 1996

The project consisted of an opening to develop the area of Maysra (500,000 m²) in Nahr Ibrahim through the opening of a two-way primary road. The project comprised of earthworks, the construction of reinforced concrete culverts, the implementation of utilities and services and completion with asphalt and road marking works.

Land Development



Adma-Dafné - Fatka

Client: Mr. Milad Mouawad

Consultant: Engineer Georges Maroun

Project completed in 1989

Roads, sewage, drainage and other infrastructure works.





POWER PLANTS
AND
FACTORIES

Hard work always
wins in the end.

Lucas Till



Baddawi Power Plant

Client: Ansaldo Industria-Siemens

Engineer: Électricité de France

Project completed in 1998

Mouawad-Eddé was the Civil Contractor which executed all the civil works for Beddawi Combined Cycle Power Plant 450 MW.



Mouawad-Eddé's scope of work included: (among other activities)

- Excavation in soft and hard rock, including blasting of rocks.
Executed quantity 450,000m³.
- Fixed Section Excavation for Firefighting, Sewage, Drainage, and Water Supply network Trenches.
Executed quantity 10,000m.
- Crushing Rocks using heavy crusher machine that was installed on site for this purpose.
Executed quantity 75,000m³.
- Embankment and Backfilling with different types of soils.
Executed quantity 240,000m³.
- Reinforced Concrete for buildings, trenches, duct banks and precast elements.
Executed quantity 40,000m³.
- Road works including laying and compaction of sub-base material and asphaltting.
Executed quantity 35,000m².
- Kerbs and sidewalks including excavation and laying of pre-cast kerbs and concrete tiles.
Executed quantity 17,500m.
- Finishing including masonry, plastering, Aluminum Cladding, Painting, Tiling, Metal works, Waterproofing etc... for 20 buildings of different sizes and types.
- Supply and Installation of three Substation packages for 500 kVA Transformer including electrical supply distribution network with 20kV cables.
- Infrastructure including drainage and sewer systems, electrical networks and laying of GRP pipes diameters up to 2200 mm, concrete and UPVC pipes of different diameters.
- Marine Works including the execution of the breakwater.
- Landscaping and Irrigation system.

The executed works are of very high standard and conform to the required specifications and they were completed as per schedule in October 1998.

Power Plants

Electrical Substation 220 kV Horch Beirut

Client: Matelec s.a.l.

Project completed in: 1999



Mouawad-Eddé has performed for the benefit of MM. MATELEC s.a.l. the civil and mechanical works of Les Pins 220KV Electrical Substation in Horch Beirut between January 1998 and May 1999.

These works are described as follows:

- A Transformer building of one floor eleven meters high.
- A control and Gas insulated system building partly of 2 floors (one ground floor with underground galleries and one first floor) and partly of one floor eleven meters high.
- A Medium Voltage building of one floor and underground gallery.
- External works with underground galleries.

All these buildings with the external works totalize approximately 3000m². The structure is in reinforced concrete for walls, columns, slab and facades. The works include mechanical installations of plumbing and ventilation related to the above buildings as well as necessary provisions for electrical specialized equipment.



Electrical Substation 220 kV Mkalles

Client: Matelec s.a.l.

Project completed in 1999

Mouawad-Eddé has performed for the benefit of MM. MATELEC s.a.l. the civil and mechanical works of MKALLES 220KV Electrical Substation in MKALLES between May 1998 and September 1999.

These works are described as follows:

- A Transformer building of one floor eleven meters high.
- A Gas Insulated system building of 2 floors (one basement and one floor eleven meters high).
- A Control and Medium Voltage building of four floors (one basement, one ground floor, one first floor and one second floor).
- External works with underground galleries.

All these buildings with the external works totalize approximately 4,000m².

The structure is in reinforced concrete for walls, columns, slab and façades. The works include mechanical installations of plumbing and ventilation related to the above buildings as well as necessary provisions for electrical specialized equipment.



Electrical Substation 225 kV Marfaa BCD

Client: Matelec s.a.l.

Project completed in 1998

Mouawad-Eddé has performed for the benefit of MM. MATELEC the civil and mechanical works of BCD 22kV Electrical Substation MARFAA BCD between January and May 98.

These works are described as follows:

- A Five-storey building comprising:
 - A Basement
 - A Transformer floor eight meters high
 - A Gas Insulated System floor eight meters high
 - A Control floor
 - A Medium Voltage floor
- External works with underground galleries

All these floors with the external works totalize approximately 5,000m².

The structure is in reinforced concrete for walls, columns, slabs and façades. The works include mechanical installations of plumbing and ventilation related to the above buildings as well as necessary provisions for electrical specialized equipment.

Power Plants



Hreishe Power Plant

Client: Electricité du Liban
Project completed in 1983
Total built-up area: 8,300m²

The project consisted of implementing the heavy civil works and buildings required for the machinery of the power plant.

Blouza Power Plant

Client: Electricité du Liban
Project completed in 1960
Total built-up area: 5,000m²

The project consisted of implementing the civil works and buildings required for the heavy machinery of the power plant.



Industrial Crusher Chekka

Client: Cimenterie Nationale s.a.l.
Engineer: MS. Paul & Antoine Zein
Project completed in 1993



62-Meter Chimney Cimenterie Nationale Chekka

Client: Cimenterie Nationale s.a.l.
Engineer: MS. Paul & Antoine Zein
Project completed in 1993

The main steel chimney of the cement plant in Chekka was very much altered with rust, and successive repair works were unable to withhold the irreversible degradation of this chimney.

The owners decided to construct a new reinforced concrete chimney, corresponding to the new standards of construction and of environmental protection, at the location of the existing chimney. It was decided, in order not to interrupt the operations of the cement plant, to keep the old chimney functioning while construction works were proceeding.

Therefore, the sides of the existing chimney were used as an internal formwork for the new chimney, with care taken to isolate steel and fresh concrete from the heat of this internal formwork with a row of fire-clay bricks.

A three-meter high cylindrical steel external formwork was manufactured. This formwork could be dismantled as soon as the concrete took its primary set and reassembled 3 meters higher in order to pour the next section of the chimney.

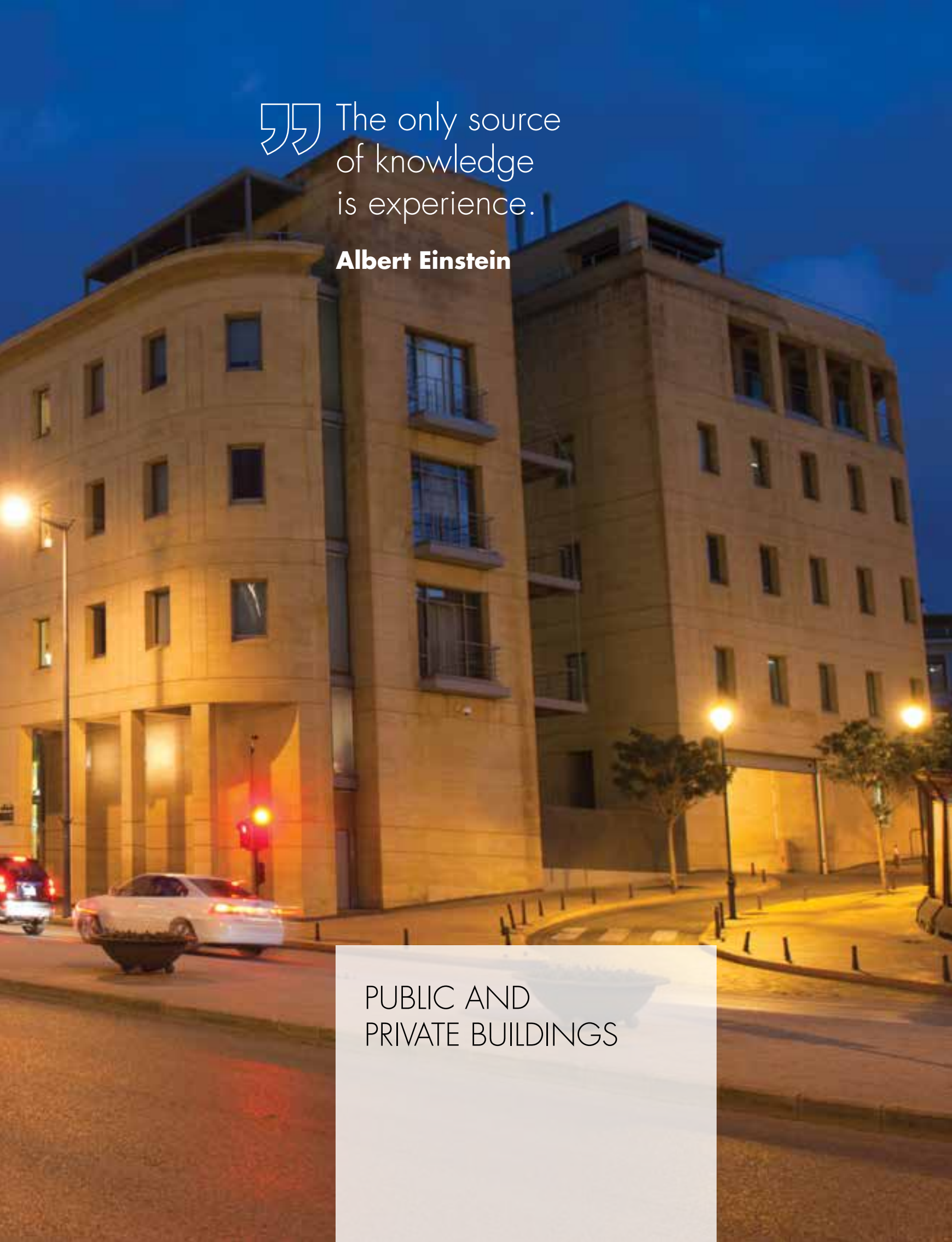
Factories

Tobacco Plant Ghazieh

Client: Régie Libanaise des Tabacs et Tombacs
Project completed in 1967







The only source
of knowledge
is experience.

Albert Einstein

PUBLIC AND
PRIVATE BUILDINGS



Office Buildings

Bank Audi Plaza

Client: Solidere s.a.l.

Location: Beirut Central District (BCD)

Architect: Kevin Dash

Engineer: Rafik El Khoury and Partners

Construction period: March 1998 to June 2001

Project completed in 2001



Mouawad-Eddé has undertaken the design and under the supervision of Rafik El Khoury and Partners, Consulting Engineers (undertaken in collaboration with Architect Kevin Dash, FRAIA, RIBA), of the BANQUE AUDI PLAZA PROJECT in Beirut Central District.

Construction work on site started in May 1997 and was completed in June 2001.

The works are made up of Four Blocks built on a plot of land of over 4,700m² in area with common basements all as described below:

- Two blocks of eight floors each (three basements, one ground floor, four upper floors)
- One block of nine floors (three basements, one ground floor, five upper floors).
- One block of eleven floors (three basements, one ground floor, seven upper floors) which is the Reconstructed Daouk Building rebuilt to a new position behind the widened Bab Idriss Road.

The four blocks total close to 32,000m² (14,000m² in basements and 18,000m² in ground and upper floors).

The structures are principally in reinforced concrete with post tensioning for the large span slabs.

Glass & Steel structures (ordered from a German specialized contractor) are extensively used for the Atrium & Entrance hall and glassed passages.

The contract undertaken under Mouawad-Eddé's responsibility includes civil works, finishing works and electro-mechanical installations and landscaping.



In detail the works comprise of:

- Excavation and shoring works
- Structure and civil works
- Finishing works
- Electrical works
- Plumbing works
- Heating, ventilation and air conditioning works
- Glass & steel structures to the Atrium roof and building entrance, to the bridges interconnecting the buildings and to glass facades
- Stone cladding in yellow stone
- Aluminum window and glazing
- Stone carving and erection to the reconstructed "Daouk Building"
- Landscaping

The contract is being undertaken in a timely and satisfactory manner in conformity with the technical specifications and requirements of the consultant.



Office Buildings

Elie Saab building

Client: Elie Saab

Location: Beirut Central District (BCD)

Project completed in 2005



Mouawad-Eddé has performed for the benefit of Establishments ELIE SAAB the construction of offices, workshops and showrooms in Beirut Central District - Lebanon. The project started in June 2002 and was completed in October 2005.

These works are described as follows:

- A building with three undergrounds and six stories. The construction is of very high standard including facades consisting of stones and glazing.
- The structure is in reinforced concrete for walls, columns and slabs.
- The works include all electro-mechanical and finishing works.

The estimate value of the complete constructed works comprises:

- Structure and Civil works.
- Finishing works.
- Electro-mechanical works.
- External and landscaping works.

The works described and summarized above were completed in accordance with the technical specifications and requirements and under the supervision of the Architect Mr. Chakib Richani.





Office Buildings

Borj El Ghazal Project Beirut

Developer: Mouawad-Eddé

Architect: Pierre El-Khoury

Project completed in 1994

Total built-up area: 23,015m²



This very high standard commercial and office building project consists of:

- A fifth basement, 1,818m² in area, housing water reservoirs, stores, technical rooms and a bank strong room accessible only through the B.N.P.I. private elevator.
- The fourth, third and second basements, of an area of 1,818m² each, used for parking purposes.
- The first basement, 1,818m² in area, is the technical floor of the building.
- The ground floor, also 1,818m² in area (area of the parcel), houses the main lobby with the 4 main elevators to the tower, the shops with the shopping arcade along Fouad Chehab Avenue, and the private main lobby of Banque Nationale de Paris Intercontinentale with the bank's two private elevators, behind which the bank's computer center is located.
- The first three floors house the headquarters of B.N.P.I. with a private landscaped terrace on the fourth floor and reception rooms. Total area: 4,035m².
- The fourth to the fifteenth floor, have all been sold as office spaces.

One of the interesting features of the project, was that construction was simultaneously carried out with a different decorator for each office and each shop.

Office Buildings



Allied Real Estate Building

Client: Allied Real Estate s.a.l
Architect: Mr. Said Bitar
Project completed in 1996
Total built-up area: 7,705m²

The project consists of a nine-storey, three basements luxurious office building, the ground floor with its mezzanines housing a showroom and a bank agency.

The area of each basement is 1,475m² The area of the ground floor and the first floor is 590m² each. The remaining floors have an area of 300m² each.



Swiss Embassy

Client: Swiss Embassy
Location: Bourj Al-Ghazal - Beirut
Consultant: Offices des Constructions Fédérales (Bern), MAB Ingénierie (Genève).
Project completed in 1997

The project consisted of refurbishment works for the Swiss Embassy at Bourj Al Ghazal - Beirut.

These works include all finishing works, electrical works, security and alarm systems, plumbing works and heating. Ventilation and air conditioning works.



Office Buildings

Debbas Office Building

Client: MS. Antoine, Fouad and Robert César Debbas

Architect: Ateliers Architectes Associés, MS. J. Liger-Belair and J. P. Megarbané

Project completed in 1995

Total built-up area: 5,619m²



The project consists of four-storey offices and showrooms building with two basements. The two basements cover an area of 917m² and 945m² respectively. The ground floor which also houses the main entrance to the building, consists of a showroom extending into its mezzanine with a built-up area of 1,262m². The first three floors, with an area of 815m² each, are office floors for the company.





Al Mawarid Bank 1383 - Headquarters

Client: Al Mawarid Bank

Engineer: ASAM s.a.l

Architect: Raed Abi Lamma
(Under Construction)



This building is meant to be the headquarters of Al Mawarid Bank. The total built up area is expected to be approximately 16,000m² and all its facades are constituted of a lace of prefabricated concrete elements specially designed and produced in Italy.



UBP Bank Premises

Architect: Mrs. Dany Bridi
Project completed in 2006



Yemen Telecom Control Building

Client: Ministry of Yemen Telecommunications
Project completed in 2005

Works were executed in rush program on fast track basis.



Office Buildings

Emirates Lebanon Bank

Owner: Emirates Lebanon Bank SAL

Architect: Plan libre

Completion date: February 2014

Total built-up area: 4,500 xm²

The project includes the complete renovation of the ELB headquarters located in Borj Al Ghazal bldg - Beirut, consisting of a basement, ground floor, floors 1-2-3 and 4 along with external landscaping.







Office Buildings

Point A

Owner: Al Amani

Architect: Elie F. Issa

Completion date: December 2017

POINT A is a fully integrated office building at the heart of the capital, designed to empower the modern company. The ambition behind the project is to create an address where business succeeds.

The fourteen floor building provides office occupants with a common terrace and extensive parking facilities.

Four to five Retail units will be located on the ground floor, allowing tenants and the neighborhood to take advantage of a wide array of convenient services.



Office Buildings

Samrya Twin Towers

Client:

GEC (Gulf East Trading & Contracting W.L.L)

Consultant: Erga Qatar

Project completed in 2012

The works comprised of the construction, completion and maintenance of a 2B+G+M43ST SAMRYA TWIN TOWERS offices, external works and all associated Mechanical and Electrical works as per the Contract. The Towers have two common Basement Parking levels, a ground floor, Conference Halls at the 1st floor, thirty-eight (38) office floors, technical floors at the 21st and 41st levels, roof deck at the 42nd, lower roof deck at the 43rd and upper roof deck at the 44th level. The floors are constructed of reinforced concrete central core, RC columns, with unitized laminated double glazed curtain walling with the necessary structural steel support. The building is designed to maximize the floor area and provides panoramic views of the high grade office accommodation.





Exhibition

Tripoli Exhibition Fair

Client: Tripoli International Fair

Location: Tripoli

Architect: Mr. Oscar Niemeyer

Project completed in 1968

Total Built-up Area: 13,000m²



Residential Centers

MBB Mansion in Dahr Al Souwan

Client: Cheikh Mohamed Bin Butti

Architect: Mr. Nabil Azar

Engineer: Builders Design Consultants

Project completed in 2010

The works cover the construction of 13 villas and comprise the following:

- Excavation and backfilling works
- Concrete works
- Masonry works
- Related Electromechanical embedded works
- External Hardworking works
- External Infrastructure works (drainage, sewers, telephone and electrical conduits)
- Swimming Pool, fountains, cascades, water tanks
- Sewer treatment plant civil works





Saifi Housing

Client: Solidere s.a.l.

Location: Beirut Central District

Engineer: Erga - Mr. Elie Gebrayel

Construction period: March 1998 to June 2001

Project completed in 2001



Mouawad-Eddé has performed under the supervision of the Consultant Erga Management, the works of the SAIFI HOUSING PROJECT in Beirut Central District. The project started on March 1998 and was completed in June 2001.

These works are described as follows:

- A residential complex located on 4 plots, totaling 16 buildings, nearing about 60,000m² in floor surface with a total of 137 apartments, underground parkings and commercial areas in the ground floors.
- The main features of the project consist of a sophisticated architecture with numerous details in traditional and modern material.
- The structure is in reinforced concrete for walls, columns and slabs.
- The works include all electro-mechanical installations.

The completed constructed works comprised of:

- Structure and Civil works.
- Finishing works.
- Electrical works.
- Plumbing works.
- Heating, ventilation and air conditioning works.
- External and landscaping works.

The works described and summarized above have been completed in conformity with very high technical specifications and requirements.





Saifi Housing







Residential Building Parcel 628

Client: Mouawad-Eddé
Architect: Mr. Pierre El-Khoury
Project completed in March 1987
Total built-up area: 2,160m²

This high standard building consist of ten apartments of 180m² area each.



Residential Building Plot 629

Developer: Mouawad-Eddé
Architect: Mr. Pierre El-Khoury
Project completed in December 1989
Total built-up area: 3,050m²

This high standard building consists of ten apartments measuring 250m² area each.



Milad Mouawad Building

Client: Mr. Milad Al-Ghazal Mouawad
Architect: MS. Jean Harfouche
 and Emile Klat



Residential Building Parcel 358

Developer: Mouawad-Eddé
Architect: Mr. Pierre El-Khoury
Project completed in 1982
Total built-up and landscaped areas: 2,850m²

This high standard building comprises three 350m² apartments, a covered playground, cellars, personnel apartments, technical rooms, a parking basement and landscaped areas.



Residential Building Plot 401

Developer: Mouawad-Eddé
Architect: Mr. Pierre El-Khoury
Project completed in 1982

Total built-up and landscaped area: 3,950m²

This high standard building comprises two 250m² ground floor apartments, with private gardens, four 250m² apartments, a 500m² terrace apartment, a covered playground, cellars, technical rooms and an uncovered parking.



Residential Building Plot 618

Developer: Mouawad-Eddé
Architect: Mr. Pierre El-Khoury
Project completed in October 1988
Total built-up area: 2,305m²

This very high standard building comprises four 160m² apartments, two 320m² apartments, shops on the ground floor with 550m² for the shops and mezzanines and technical areas totaling 475m².



Residential Building Plot 397

Developer: Mouawad-Eddé
Architect: Mr. Maurice Bonfils
Project completed in December 1991
Total built-up and landscaped area: 3,000m²

This high standard building comprises a 560m² - apartment on the ground floor with its private landscaped garden, a 440m² - duplex apartment, two 250m² apartments and a two-storey of 610m² apartment on the roof covered with tiles.



Maronite Social Fund

Client: Maronite Social Fund
Project completed in 2004

Mouawad-Eddé has performed for the benefit of the Maronite Social Funds the construction of a housing project in Mezher-Lebanon. The project started on January 2000 and was completed in December 2004.

These works are described as follows:

- A residential complex, totaling 31 buildings, nearing about 40,000m² in floor surface with a total of 312 apartments.
- The structure in reinforced concrete for walls, columns and slabs.
- The works include all electro-mechanical installations and finishing works.

The estimate value of the complete constructed works comprising:

- Structure and civil works
- Finishing works.
- Electrical works.
- Plumbing works.
- External and landscaping works.

The works described and summarized above were completed in conformity with the technical specifications and requirements and under the supervision of MM. Bureau Pierre NEEMA and Associates.



Moritra Project

Client: H.E. René Mouawad, MS. Fouad Rizk and Philippe Trad.

Architect: Mr. Pierre El-Khoury

Project completed in February 1988

The project consists of a very high standard residential complex, sheltering six residences having a floor area of 795m² each with residential facilities for personnel, security staff and drivers. An open-air swimming pool and a fully-covered private squash court with dressing facilities are integrated in a landscaping scheme throughout.



Milad Mouawad Building

Architect: M.G. Tabet, G.Azar

Residential Centers



Khoury Project Gardens and Swimming Pool

Client: Sheikh Sélim and Marcel El-Khoury

Project completed in January 1989

The total built-up and landscaped area:
2,200m²

The project consisted of completing an existing three-storey reinforced concrete structure, the ground floor being turned into a covered parking, the first floor into an office floor, the second floor being turned into a gymnasium, turkish bath, changing rooms and shower rooms, the rest of the floor being occupied by the technical equipment of the swimming pool and by the central heating equipment.

The roof of the building is fitted out with a 17m x 9m swimming pool, covered and heated when necessary with an inflatable structure.



Mikhael Daher Building

Client: Sheikh Mikhael El Daher

Architect: P. Khoury.

Project completed in 2007

The project consists of a very high standard residential complex including apartments, gardens, swimming pool and several rooms for indoor activities.

The works executed are the structural works coordinated with all subsequent trades.



Residential Centers

Retails Nodes & Townhouses THE PEARL - QATAR

Client: UDC - Qatar

Project: One retail node and two retail nodes and Town Houses in the Pearl project

Project completed in 2008

The project comprised of the construction, completion and maintenance of Parcel 01 (Retail Node) and Parcels 02 and 03 (Town houses/Retail Nodes) located in Porto Arabia Development, Pearl of the Gulf, Qatar. The total built-up area amounts to 49,515m² and is designed to include 64 retail shops and 45 town houses. The project is detailed according to the following description:





Parcel 01:
total area of 23,060m² distributed as follows:

Large ground floor (slab on grade) of 10,065m², with mezzanine floor of 5,316m², first floor of 3,251m², in addition to a pitched roof of 4,428m². The content of parcel 01 is a concourse gallery with spaces for 30 retail shops, dining terraces, service corridors, harbor office, service and technical rooms, domes, roof decks and 12 stairs.

Parcel 02:
total area of 14,143m² distributed as follows:

Ground floor (slab on grade) of 3,089m² comprising a concourse gallery with spaces for 17 retail shops, dining terraces, rest rooms, services, technical rooms and parking area. Mezzanine floor of 496m² comprising service/shops (double volume) and concourse gallery (double volume). Six floors of 10,558m² (including a bridge area) comprising 24 town houses (12 simplex, 8 duplex, 4 triplex) and 4 stairs.

Parcel 03:
total area of 12,312m² distributed as follows:

Ground floor (slab on grade) of 3,089m² comprising a concourse gallery with spaces for 17 retail shops, dining terraces, rest rooms, services, technical rooms and parking area. Mezzanine floor of 571m² comprising service/shops (double volume) and concourse gallery (double volume). Six floors of 8,652m² comprising 21 town houses (12 simplex, 5 duplex and 4 triplex) and 4 stairs.





Urban Dreams

Owner: CGI - Urban Dreams

Architect: Rafic El- Khoury & Partners
(Under Construction)

Urban Dreams is composed of a horizontal Structure juxtaposed with a vertical one creating an ultimate solution to explore the utmost potential of the space. Urban Dreams consist of four Blocks: Tower A and three low rise buildings B,C&D with a separate entrance for each one of them.



The project accommodates also some commercial spaces on the Ground floor of Block B,CD located on the main road. The project contains 116 apartments benefiting from green landscaped areas, common facilities and an urban life at the heart of the city.



Residential Centers

Les Residences du Vieux Quartier

Client: Fouquets Real Estate s.a.l.

Architect: A-Consult

Project completed in 2012

Total built-up area: 12,000m²

The project consists of a luxurious residential building located in the Ashrafieh sector composed of 5 parking floors, ground floor, 8 upper floors (2 apartments each), 1 simplex floor and one roof triplex.





Byblos Sud

Client: TPD Tourist and Property Development Company s.a.l.

Engineer: A. Manasseh

Project completed in 2009



The works comprised of the following:

- 42 apartments and 6 villas spread over three levels (gardens, ground floors and first level). The apartments are distributed in seven blocks and the villas in six blocks along with a covered car park basement for the whole project.
- External works covering hard and soft landscaping with an approximate area of 23,000m².







Abadiyah Hills

Client: IFA Hotels and Roads

Engineer: S. Khairallah and Partners

Construction period: Started by end of 2006

Project completed in 2011

The works comprised of the following:

- 15 independent villas (three floors each)
- 30 independent town-houses (three floors each)







Ashrafieh Heights

Client: Promosal SAL

Architect: Sarkis Azadian

Engineer: Bureau A. Manasseh

Scheduled completion date:
September 2014

Total built-up area: 23,000m²

The project consists of a luxurious residential tower building located at the heart of the Ashrafieh sector consisting of 7 parking floors, ground floors, mezzanine, 23 upper floors (2 apartments each) and one roof duplex.



Residential Centers



RHR834

Client: RHR s.a.l
Architect: ASAM s.a.l
(Under Construction)

RHR-834 is located in the most prestigious district on downtown Beirut, Mina Hosn. The project consists of 7 luxurious residential low rise buildings including high end villas, duplexes and triplexes.



RHR1410

Client: RHR s.a.l
Architect: ASAM s.a.l
(Under Construction)



Beirut, Square II Complex

Client: Beirut Trade II

Architect: Giancarlo De Carlo e Associati

Engineer: Rafic El Khoury & Partners

Total built-up area: 30,850m²

(Under Construction)



The project consists of a luxurious residential and commercial complex located in the Beirut Central District consisting of parking floors, 4 buildings comprising 6 floors (13 apartments each).





La Plaza Residence

Client: La Plaza Partners S.A.L.

Architect: Tabet Atelier d'Architecture (TAA)

Completion date: January 2013

Total built-up area: 14,585m²



The project consists of a luxurious residential complex located in Mezher (Jal el Dib) consisting of one parking floor, one technical floor, 5 buildings comprising 8 apartments each and a total of 6 roof duplex.



Residential Centers

AMA599

Client: ASHRAFIEH 599 s.a.l

Architect: ASAM s.a.l

Engineer: ASAM s.a.l
(Under Construction)

The building consists of a very iconic structure in reinforcing concrete encompassing fourteen floors with very peculiar architecture and bordered all along its facades with flower beds and gardens.





Villas & Palaces

Villa Plot 599

Client: Mr. Georges Mouawad

Architect: Mr. Raoul Verney

Project completed in March 1988

Total built-up and landscaped area:
4,225m²

The project consists of a very luxurious residential building, housing a villa and two duplex apartments separated from the villa by a suspended swimming pool.



Villas & Palaces

Villa Ghanem

Client: Mr. Charbel Ghanem

Architect: Cheikh Nabil El-Khazen

Project completed in June 1992

The total built-up and landscaped area: 2,300m²



The project consisted of a two-storey, two basement villas.

- A 70m² - second basement consists essentially of a store-room.
- A 750m² - first basement shelters covered parking spaces, a playground, personnel quarters, boiler rooms and stores together with changing rooms and showers for the swimming pool.
- The ground floor with its monumental entrance is affected to the reception rooms, drawing rooms, dining room, kitchen and maids quarters, and covering 560m².
- The ground floor communicates with an external 15m x 8m
- Swimming pool with its terrace and solarium.

The first floor is divided into two wings, respectively the sleeping quarters of the parents and of the children and covers an area of 460m² under a tiled roof.





Three Independent Villas Plot 1302

Developer: Mouawad-Eddé
Architect: Mr. Raoul Verney
Project completed in November 1995
Total built-up area: 2250m²

This project consists of three independent and very luxurious two-floor villas of 750m² each with gardens, covered parkings, guard houses and storage rooms.

The external cladding is made of bush hammered carrara marble from various dimensions mechanically fixed on concrete walls. The indoor walls and ceilings of the villas are a component of plastered texture and fair-faced concrete.



Villas on Plot 902

Developer: Mouawad-Eddé
Architect: Mr. Pierre El-Khoury
Project completed in March 1985
Total built-up area: 2,540m²

This high standard building comprises three 650m² - duplex apartments with gardens, covered parkings, personnel and technical rooms.



Villa Abadieh

Client: Haya Development s.a.l
Architect: Chakib Richani Architects
Completion date: March 2017
 (Under Construction)

The construction of a luxurious Villa with swimming pool, garden and high-tech finishing in Abadieh.

Cathedral

Cathedral and Seminary Carmelites

Client: Révérends Pères Carmes

Architect: Mr. Sayed Bassim

Project completed in 1995

Total built-up area: 4,375m²



The project consists of a seminary with a library grouped around a cathedral with an appropriate landscaping treatment.

These works are described as follows:

- A basement with a 500m³ - water tank, 150m² of stores for a total built-up area of 325m².
- A rez-de-jardin with an area of 1,150m² grouping in its left wing a library on two levels with a binding room, and photocopying and typing rooms. The right wing shelters a playhall, a pottery room, boilers and transformer rooms. The two wings encompass a theatre with an elevated scene under the central cathedral.
- A ground floor covering an area of 1,270m², comprising in its left wing community spaces, in its right wing a reception room, dining room, kitchen room and appurtenances. The cathedral occupies the center of this floor with a ceiling height varying between 6m and 10m.
- Two stories developed along the right and left wings group, the sleeping quarters of the fathers together with a few classrooms and offices. Each storey covers 815m².



Hotel

Belmont Hotel Refurbishment

Client: Mr. Milad Ghazal Mouawad

Works Include: 50 rooms,
1 restaurant, 1 restaurant terrace

Refurbished in 2015







Mövenpick Hotel Building Sanaa (Yemen)

Client: Cheikh Ahmad Banafeh

Period of construction: February 2004 till January 2006

Total built-up area: ~ 60,000m²



Mouawad-Edde was acting in the project as construction manager and general contractor for all electromechanical and finishes works.

The built-up area is approximately 60,000 m² and consists of:

- Second technical basement + Back of House areas (i.e. laundry)
- Public area (FOHL Main lobby, ballrooms, meeting rooms, business center, majliss, indoor swimming pool, health club, restaurants, amphitheater,...)
- Back of house area (BOH: Administration offices, staff area,...)
- Guestroom tower (9 floors: 340 typical rooms, Diplomatic suites, Royal/ Presidential suites and a club lounge area...)
- Three panoramic lifts, in a huge patio, surrounded by the rooms, panoramic curtain wall and skylight.
- A gigantesque landscaping area of approximately 60,000m² is surrounding the hotel, including restaurants, 1,100m² outdoor swimming pool, sports courts, parking for visitors.





Commercial Gallery Intermeuble

Client: MS. Intermeuble.

Architect: MS. Atelier Architectes Associés,
J. Liger-Belair and J.P. Megarbané

Interior decorator: Mr. Jean-Louis Mainguy

Project completed in April 1991

The project consisted of expanding the existing Intermeuble Gallery in Kaslik which annexed a former amphitheatre.

External works consisted of modifying the façade especially at the entrance of the gallery. Most of the works however consisted of internal renovation works, such as the remodelling of the amphitheater into a tiered showroom, the building of footbridges and internal staircases and the construction of administrative and managerial offices.

Showrooms and Offices Kamishibai - Les Artisans - Mouawad Offices

- Showroom: Kamishibai - Jounieh

Client: Expanding International
Distributors S.A.L.

Interior Architect: M.Jean Louis Mainguy

- Showroom: Les Artisans

Client: Artisan S.A.L.

Architect: M. Pierre El Khoury

- Offices Mouawad

Client: G et J.Mouawad

Interior Architect: Mme Dany Bridi

Among very delicate works of refurbishing showrooms and offices, Mouawad-Eddé has executed in 1987 the above works including all the interior decoration and furniture and electromechanical installations.

Jail

Roumieh Jail

Client: Ministry of the Interior, Lebanon

Architect: Mr. Pierre el-Khoury

Project completed in 1970

Total built-up area: 8,000m²





Schools



Lycee Franco-Libanais

Client: Mission Laïque Française

Architect: Mr. Louis Saadé

Project completed in 1995

Total built-up area: 11,800m²

The project consisted of the construction of three school buildings, one administration building and an open-air amphitheater in a fully landscaped scenery with parking facilities.



Athenee School

Client: Société Athénée Immobilière

Architect: Mr. Alexis Moukarzel

Project completed in 1993

Total built-up area: 8,400m²

The project consisted of the construction of two main school buildings: one for the basic children, (three stories) and one for the complementary classes (six stories and one underground parking). The works executed in 1992-1993 included excavations, reinforced and prestressed concrete, electrical plumbing and air conditioning works, in addition to finishing works such as plastering, painting and external joinery.

International College Phase II

Client: International College
Engineer: D.G. Jones & Partners
Architect: R. Karam

International College -Part II project is located north of Sage Hall and east of the existing Preschool building at the International College Campus. The project comprises two school buildings with common basements. The structure is between three to six floors and two to three basements. This is in addition to a one floor to the Annex Building occupied as Art Room Class, Snack Bar and Common Generator Building.





Lebanese American University Gezairi Building

Client: Lebanese American University
Engineer: D.G. Jones & Partners
Architect: IDEP-M Saroufim
 (Under Construction)



The Project consists of the Refurbishment of the Gezairi Building to be renovated and converted to the school of Architecture and Fashion Design. The Project Building consists of an existing building of Five Basements, Ground Floor and Twelve upper Floors. The Building occupies Auditoriums, classrooms, Workshops, Labs, a state of the art cafeteria and other workshops.



Hospitals



Dar El Raha Zgharta

Client: Association caritative
Milad Mouawad

Architect: Ms. Georges
Doumani and Emile Klat



Middle East Institute of Health

Client: National Institute of Health

Consultant: Bureau Habib Salameh

Project completed in 2002

Mouawad-Eddé has performed the works of the Middle East Institute of Health in Bsalim.

The project started in May 1997 and ended in June 2002.

The works are described as follow:

Two buildings each comprising seven underground floors, one ground floor and six upper floors.

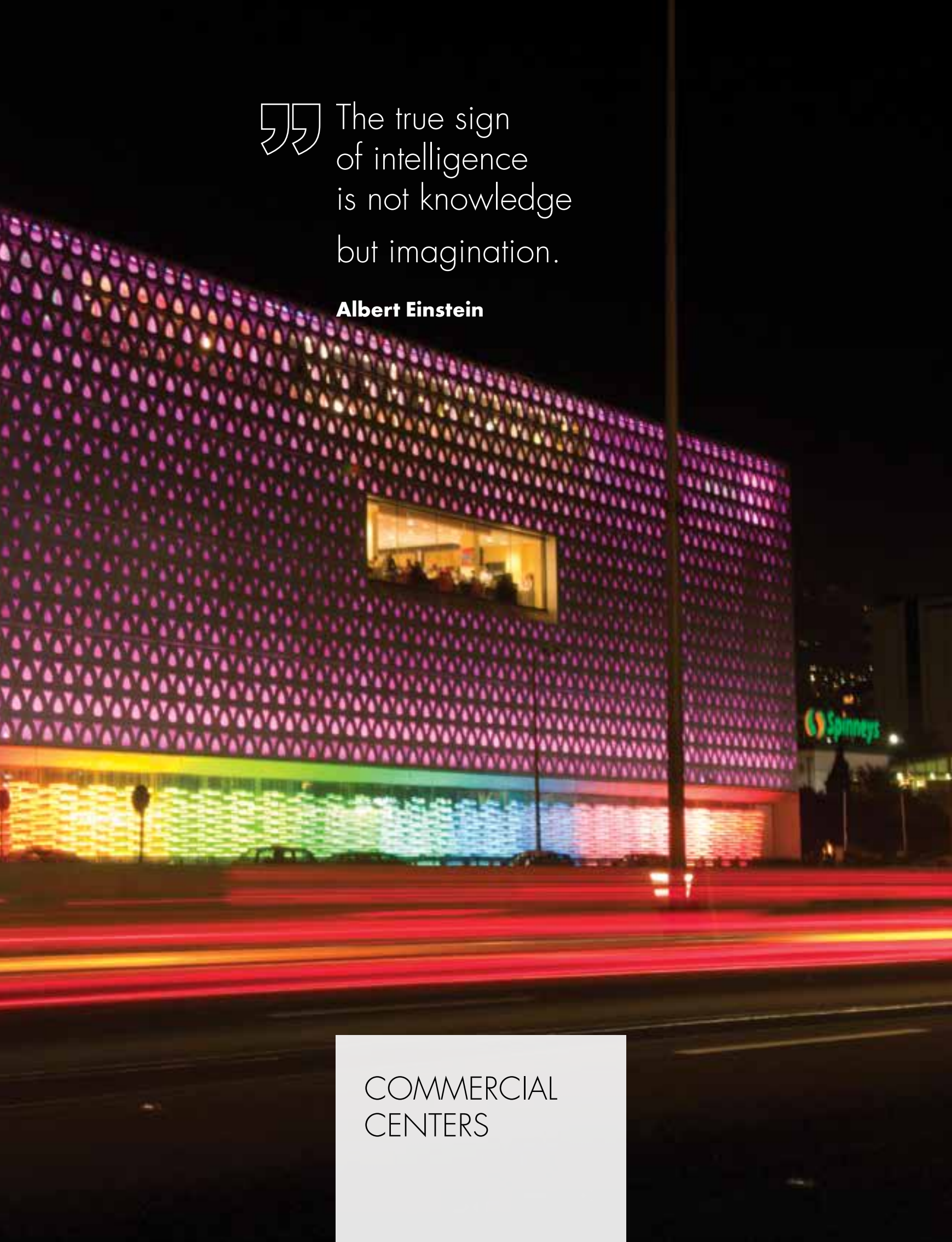
The first building is the hospital totaling 160 beds and nearing about 20,000m². The second building is for about 110 clinics, totaling 15,000m².

The structure is in:

- Reinforced concrete for walls and columns
- Post tensioning concrete for some slabs
- Pre-cast concrete slabs
- Steel structure

Retaining walls are of the TENSAR system totalling about 5,500m² and retaining 70,000m³ of fill material.





“ The true sign
of intelligence
is not knowledge
but imagination.

Albert Einstein

COMMERCIAL
CENTERS



Zaitunay Bay

Client: Beirut Waterfront Development s.a.l.

Architect: Stelon Hall - Nabil Gholam & Partners

Engineer: IDEA, s.a.l.

Project completed in 2011



The project is located at Beirut Marina and consists of Restaurants and Retail outlets as follows:

- Restaurants and Retail Outlets of an approximate area of 5,500m²
- External Landscaping and open areas of approximately 15,500m², including all related electro-mechanical works (low current, electrical, mechanical and HVAC)









ABC Mall Beirut

Client: Société Libanaise Générale, s.a.l.

Architect: TPD England / D. Breidi

Project completed 2003



The project is a major retail scheme in the heart of Beirut's crowded and busy Achrafieh area.

The built-up area is of approximately 11,800m² and consists of:

- Car parking for 1,500 cars.
- ABC store having an area of 8,000m² with access to escalators and lifts.
- Anchor stores.
- Retail units with different areas.
- Malls with an area of 27,000m².
- Restaurants with an area of 2,000m² with open seating/performance spaces.
- Health club and fitness/beauty center with an area of 3,100m² including outdoor swimming pool.
- Cinema complex with multi-screen for 700-800 seats with extensive foyer space for kiosks and toilets.
- Miscellaneous land boards and operational areas.
- Plant areas.





Commercial Centers

Extension and Façade Re-lifting of ABC Mall Dbayeh

Construction management in a crushed program including all structural, electromechanical and finishing works.

Client: Société Libanaise Générale, s.a.l.

Engineer: A - Consult

Architect: D. Breidi

Project completed in 2012







Commercial Centers

Extension of ABC Mall Dbayeh







Commercial Centers

Beirut Mall

Client: Saudi Marketing Company Ltd.

Architect: D. Breidi

Total built-up area: 50,000m²

Project completed in: 2006



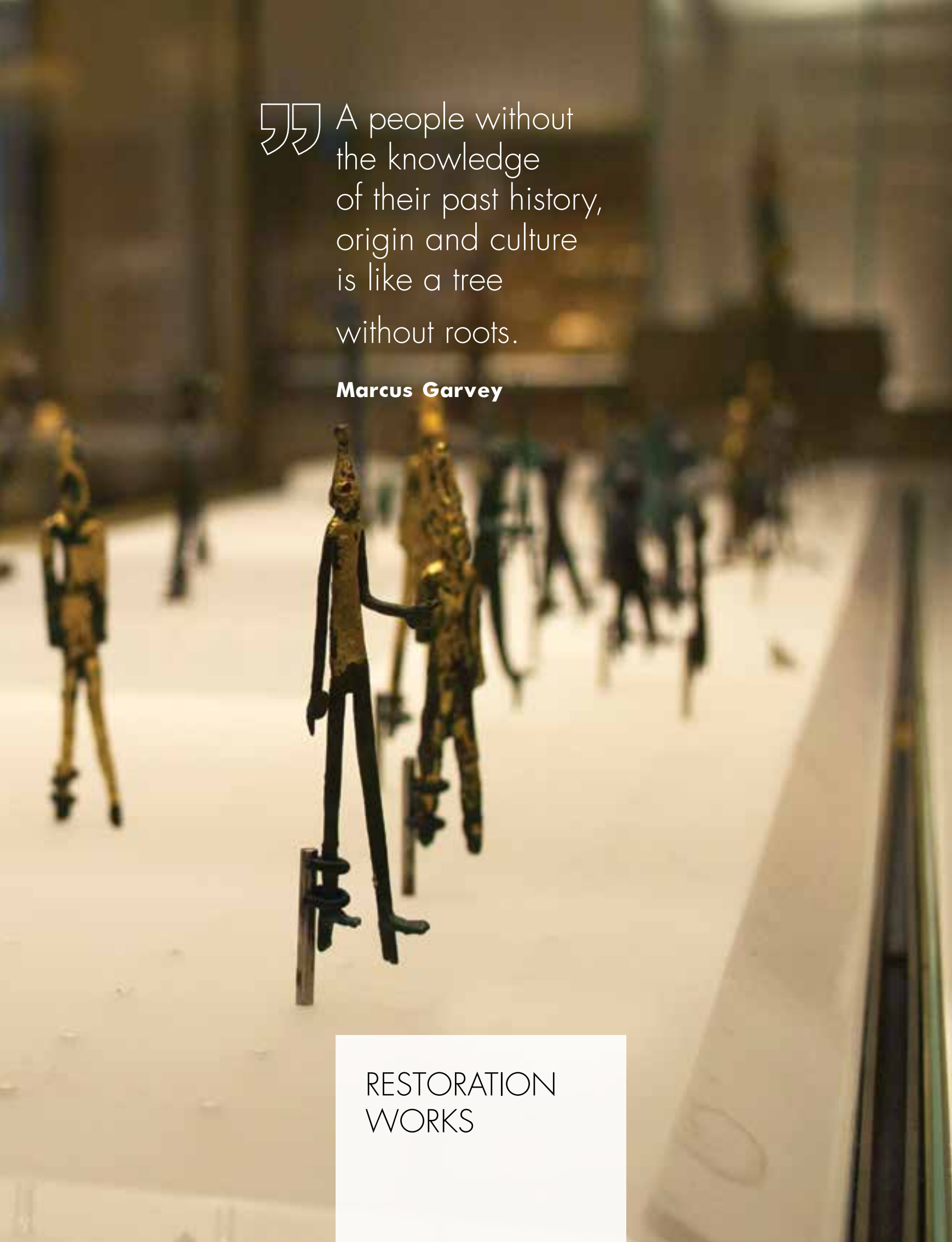
The project is a major new retail scheme located at a short distance from the main commercial center of Beirut. The site is heavily surrounded by roads and existing buildings on all sides.

The built-up area is approximately 50,000 m² and consists of:

- Car parking for 650 cars.
- Farm superstores having an area of 10,000m² with access to travellers and lifts.
- Anchor stores.
- Retail units with different areas.
- Mall with an area of 7,000m².
- Restaurants with an area of 1,200m² with open seating/performance spaces.
- Adventure world with an area of 4,000m².







“ A people without
the knowledge
of their past history,
origin and culture
is like a tree
without roots.

Marcus Garvey

RESTORATION
WORKS



Renovation of National Museum's Facades

Client: Ministry of Culture with Council for Development and Reconstruction

Project completed in 1995

The National Museum of Beirut, situated at the crossroads between the eastern and the western sector of Beirut, suffered severely from the last civil war.

The building, entirely clad with natural yellow stone, suffered unequally from the shelling and sniping. Some stone blocks were disintegrated and needed to be completely replaced, others less severely hit needed partial replacement only or needed filling of voids with special mortar imitating the texture and colour of the stone block. The composition of the mortar was constantly modified to fit the colour of the stone block to which it was to be applied.



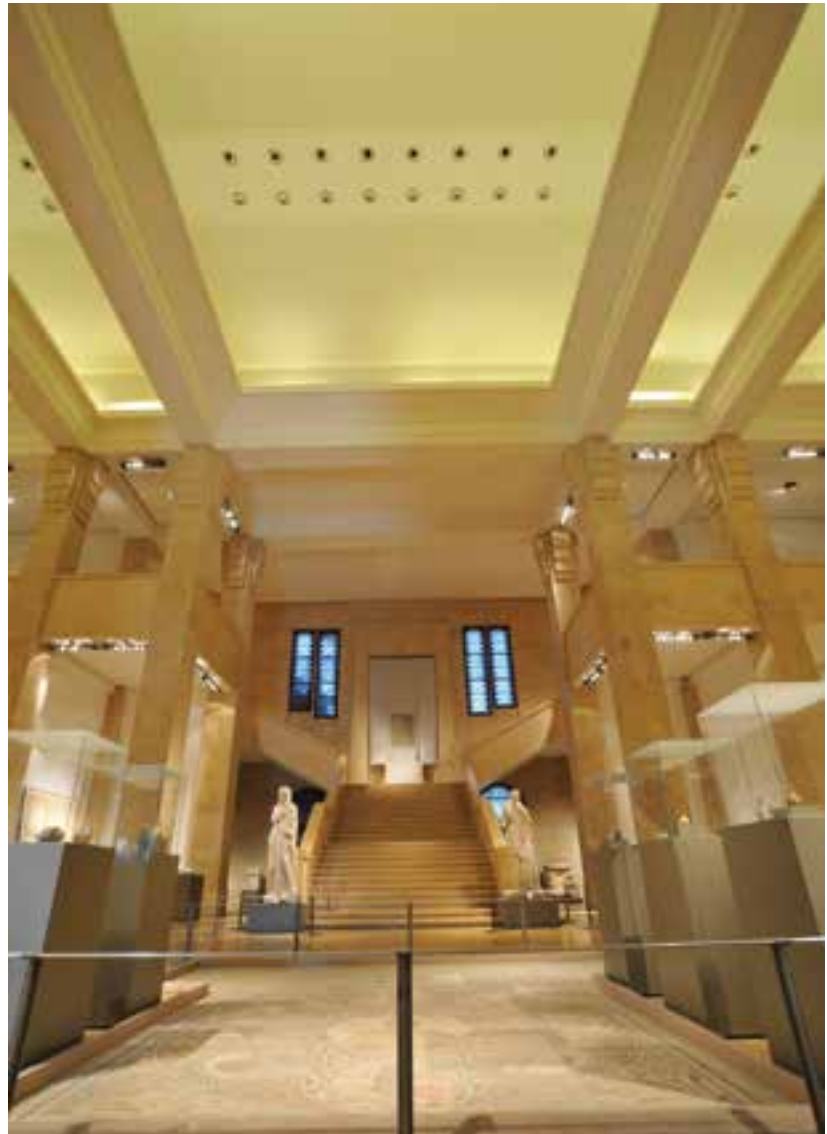
Internal Renovation of National Museum

Client: The National Heritage Foundation

Architects: Agence Wilmotte (Paris),
Cheikh Pierre El Khoury (Beirut)

Project completed in 1999

The works included among others addition of structural concrete and steel works, finishing works, complete new electrical and lighting installations, heating and air conditioning works, acoustical and sound installations works, security and alarm works, two panoramic elevators, stone cladding and stone restoration, water proofing, audio-visual installation, complete furnishing of a gift shop and audio visual room, installation of professional anti-theft show windows.





Beirut Museum

Client: Council for Development and Reconstruction
(under construction)

The project consists in the excavations and sustainment of the borours of basement of Beirut Museum. The conception of the Museum is the performer of international Architect Ronzò Piono in collaboration with the Lebanese designer Fouad Mehem.







Palace

Rehabilitation of Trad Palace

Client: Mr. & Mrs. Philippe Trad
Architect: Mr. Pierre El-Khoury
Project completed in 1988



The project consisted of the external and internal restoration of the former Catoni Palace, a characteristic Lebanese Palazzo, with the incorporation of modern comfort together with the construction of three independent pavilions for guests and landscaping works.



Theatre

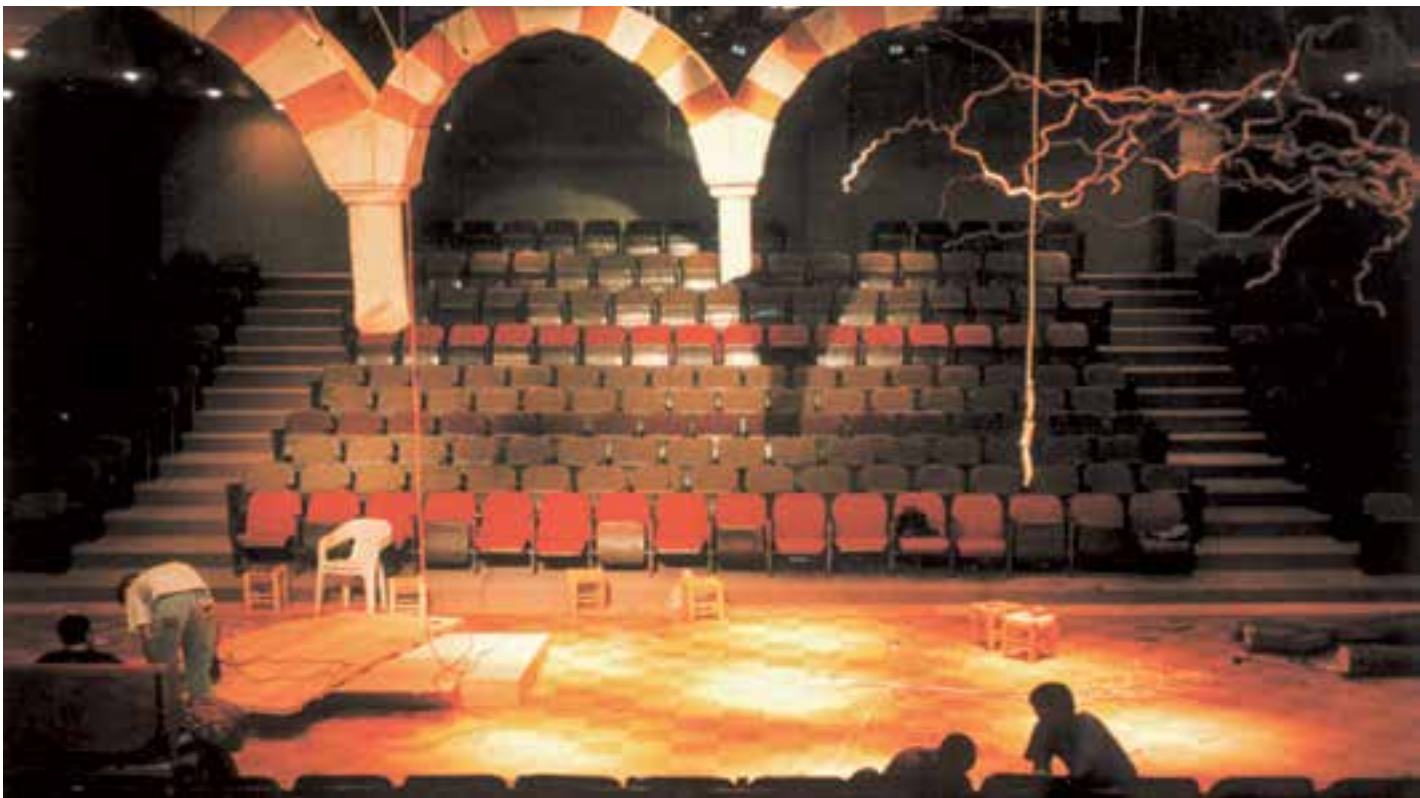
City Theater Clemenceau

Client: Oger Liban
Architect: Mr. Pierre Neema
Project completed in 1995

The former Cinema Clemenceau, part of the Lebanese Government estates, and deserted by its traditional audience during the years of war, is a prime location for a popular playhouse, its proximity to the new central district under construction makes it an easy access to a variety of people.

The works consisted of a first step, to deepen the theater in order to create a basement housing the technical premises, changing rooms, toilets for the artists, and a central space housing, a collapsible stage to respond to the variety of needs of the plays being performed.

In a second step a full modernization of the theatre was undertaken to bring it up to modern standards.





LET'S GET CLEANER, TOGETHER

www.city-blu.com

205



Hotline
05 815 9...

205



»» LET'S GET CLEANER
TOGETHER



WASTE
MANAGEMENT



CITYBLU

Collection of Municipal Waste

Collection of municipal solid waste in service area: Baabda, Aaley and Chouf Cazas. (Lebanon)

Client: Council for Development and Reconstruction.

Start date: 2018

Status: ongoing project

Brief description of the project:

Under the brand name of Cityblu, Mouawad-Edde is currently responsible of collecting the waste from more than 200 municipality serving a population of 1.5Million habitant and transporting them to the sorting plant in Amroussieh.

Cityblu is operating with a fleet of 150 truck and more than 800 employee to transport on a daily basis around 2000T of municipal solid waste.

More than 20,000 collecting point is served daily, 365 day per year.



The scope of works encompasses 3 Cazas and more than 210 municipalities.





Sweeping of Roads

Public cleaning Services in Baabda, Aaley and Chouf Cazas.

Client: Council for Development and Reconstruction.

Start date: 2018

Status: ongoing project

Brief description of the project:

Under the brand name of Cityblu, Mouawad-Edde shall clean the complete public area by sweeping and cleaning all paved public roads, squares and bridges, collecting litter from all public areas and haul wastes accumulated within 15 different municipality with around one Million habitant and 1,250km on a daily basis 365 day per year.

In order to keep the Street clean Mouawad-Edde is currently using two different methods:

- Manual sweeping with the help of more than 400 laborer daily on the streets.
- Mechanical sweeping with the help of specialized sweepers for the Main highways.





Tabaris - Beirut,

Fouad Chehab Avenue, Borj Al Ghazal Building

TEL. +961 1 202810/219225/202811/215282/338669/201073

MOB. +961 3 258017/258027

FAX. +961 1 219226

EMAIL. me@mouawad-edde.com

www.mouawad-edde.com