

BRIEF COMPANY PROFILE

A- EXECUTIVE SUMMARY

We here below put at your disposition a brief overview of our Consultancy Office "**PACE - Patrick Abdel-hay Consulting Engineers**", in which we will list an outline of our services in the field of Project Management, Structural Design and Technical Supervision in addition to a list of diversified selected reference Projects which output witnesses to the successful partnership we have with our Employers.

With many years of experience, we continue to achieve consistency in the delivery of high quality services and add value for Employers, through pro-activity, transparency in communication, timely delivery of services, and high quality performance.

PACE's achievements are founded on our ability to deliver comprehensive Engineering solutions to various projects; we have served as engineering consultant on almost every type of projects including, domestic housing, schools, hotels, Banks, sports centers, offices, factories, hospitals, health centers etc...

B- COMPANY OVERVIEW

PACE (**Patrick Abdel-hay Consulting Engineers**) was Founded in 1997 by Engineer Patrick Abdel-hay as a multi-discipline engineering consultancy office operating under the legitimacy of the Order of Engineers and Architects of Beirut and as per the founder's license to practice the profession of Engineering issued by the Ministry of Public Works in 1993.

C- FINANCIAL STATUS

All the financial operations, contracts signature and registration at the ministry of Finance shall be performed under the personal name of Engineer Patrick Abdel-hay who is registered under the Profession of civil engineering at the Ministry of Finance in September 1998 and registered in the Value Added Tax (VAT) in March 2016 (registration number 22978-601).

D- PATRICK ABDEL-HAY - Personal CV

- Founder & General Manager of **PACE** established in 1997
- Nationality: Lebanese
- Age: 54
- Bachelor Degree in Civil Engineering from the American University of Beirut (AUB) - 1993
- Member of the Order of Engineers & Architects of Beirut since 1993 - reg. no. 15525
- Certified as a Class "A" Structural Consultant by the Government of Qatar in 2008
- Sworn expert at the courts of law
- Certified Real estate expert operating for the following local banks: Central bank of Lebanon, BLC bank, Byblos Bank, BSL bank, SGBL bank, MEAB bank, Credit bank.
- Certification in Arbitration

E- PROJECT MANAGEMENT / TECHNICAL SUPERVISION - SCOPE OF SERVICES

E.1 Pre-construction Phase

- a) Prepare the Information Memorandum clarifying the scope of the Project for the Architectural Request for Proposal (RFP) at the inception phase in coordination with the Employer.
- b) Preparation and launching of the Design Tender
- c) Assist the Employer in the appointment of the selected International Architect and all other technical consultants and the Marketing & Financial consultants (if required) from concept stage to operations by preparing all contract documents to be signed with the different participants.
- d) Monitoring all design phases and related deliverables for the following phases: Conceptual Design, Preliminary Design, Permit File, and Design Development.
- e) Insure that all pre-set timetables and deadlines are met and phase-approvals granted
- f) Managing all correspondences between the Employer and other stakeholders.
- g) Review preliminary design criteria, conceptual planning, and updated design detail
- h) Prepare a detailed feasibility study encompassing the financial model for the development.
- i) Ensure Cost Management Services including the Budget estimate, the Procurement strategy and implement Value Engineering by proposing cost savings approach and increasing efficient result that could impact and optimize the construction cost.
Value-Engineering that shall be applied at key milestones stages, that is, and not limited to, provide recommendations on relative feasibility of using other construction material and method of construction to reduce cost by finding alternative designs and to improve the preliminary budget.
- j) The Project Manager will guide the design phase in a way to insure Fast Track Construction Methods in order to overlap design and construction activities and hence reduce the overall construction duration. excavation and foundation works can be started at an early stage of the design process. In fact, as soon as the final levels and foundation design are established the excavation and foundation packages can be let.
- k) The Project Manager shall propose a packaging strategy that optimizes the number of construction packages to produce manageable and cost effective plan without jeopardizing quality.
- l) Coordinate between the Employer and other project functions and parties such as Finance, Legal, Quantity Surveying, Interior Designer, etc...

- m) Assisting the Employer in the follow up of all administrative measures for the acquisition of all needed permits until the issuance of the occupancy permit and the title deeds

E.2 Tender and Award Phase

- a) Finalize preliminary contractor's bid list
- b) Pre-qualify selected contractors and stimulate their participation in the competitive bid
- c) Prepare bid packages by tendering the whole lot to one Main Contractor or to divide the Project in several packages to be able to monitor at best the Quality, Cost and Time in a fast track construction system.
- d) Issue "Request For Tender" for invited-bidders as Main Contractors or Contractors packages
- e) Prepare a detailed fair-cost estimate for each bid package;
- f) Review and assessment of Tender Prices submitted by Contractors/Subcontractors and issue recommendations for adopting the most adequate Main Contractor and Subcontractors
- g) Recommend contract awards to the Employer in line with the Budget and the Master schedule.
- h) Issue "Notices to Commence" after Contract signature.

E.3 Construction Phase

E.3.1 - GENERAL

- Ensure that various related Consultants are enforcing all contractual requirements, particularly those that pertain to quality.
- Study all proposals made by the Consultants or by Contractor(s) in connection with possible changes to the external envelop and common area and to any related construction document and advise the Employer of their assessment.
- Ensure that a systematic process is implemented for documenting all construction-related activities, meetings, proposals, records, drawings, correspondences, visuals, and the like.
- Monitoring of Monthly reports prepared by the Contractor which include progress photographs, Contractor performance, schedule report, cost/financial report, bonds, problem areas and recommendations for action. Cause Contractor to keep accurate written reports on labor, weather, progress, materials/equipment delivery and installation, accidents and other pertinent matters.
- Monitor dispatching and feedback of Contractors'/Subcontractors' shop drawings and material procurement schedules and submit logs for completeness, accuracy and compliance. Insure timely technical review and approval of all by the related Consultant.

E.3.2 - SITE MANAGEMENT & COORDINATION

- Review and approve the Contractor's safety and quality assurance programs in conjunction with specifications set by the Engineer.
- Arrange for an initial site meeting (kick off meeting) with all parties to discuss procedures, means of communication, submittals, instructions, and forms to be adopted, etc.
- Arrange for and attend regular site meetings to monitor performance and progress and delineate any complications, prepare minutes of meetings for dispatching and actions.
- Monitor compliance with the contracts by the Contractor and his related subcontractors for various trades and ensure that the obligations of each are being honored in accordance with the contract requirements and recommend courses of action where deemed necessary.
- Administer all submittals from the Contractor(s)/Subcontractors, such as: shop drawings, products data, samples and other submittals and follow up on the timely review performed by the Related Consultant.
- Act as a center point of all communications between all parties involved in the construction process.
- Monitor the Contractor(s) practices pertaining to the delivery, storage, handling and protection of materials, systems and equipment.
- Review & approve the detailed Baseline Schedule of Works submitted by the Contractor
- Monitor the implementation of the Schedule of works, review schedule monthly updates submitted by the Contractor, identify delays and recommend corrective measures.
- Implement Contractor's contractual requirements and obligations and respond to all related correspondences
- Review/reject/validate requests made by the Contractor(s) in connection with possible extensions of the construction program's duration.
- Prepare a summary of the status of the works listing incomplete or unsatisfactory items, and a schedule for their completion and provide proposals to recover any possible delays.

E.3.3 - COST CONTROL AND FINANCIAL MANAGEMENT

- Submit an estimated cash flow based on the approved work program.
- Review and approve payment certificates issued by the Contractor or nominated Subcontractors.
- Run value Engineering approaches; recommend alternative solutions whenever design-related problems are reported to be affecting construction cost or program.
- Control and report on the expenditure of the provisional sums, if any.

- Attend periodic meetings with the Employer to report on progress, budget, and cash flow requirements and other substantial addition/omission or change to the contract.
- Evaluate/appr./reject any possible variation orders submitted by the Contractor/ Subcontractors.
- Review and evaluate all claims submitted by Contractor/ Subcontractors and prepare viable resolution strategies for their settlement, in a way that best serves the interests of the Employer.
- Monitor the Project Total Cost

E.3.4 - HANDING-OVER

- Closing out all contracts with all parties involved. Settle all pending claims and variation orders.
- Insure submittal to the Employer required warranties, guarantees, releases, bonds and waivers, keys, manuals, brochures, as-built drawings and maintenance stocks.
- Receive and file all as-built drawings after fetching approval from the Design Consultants

E.3.5 – POST-CONSTRUCTION PHASE

- Implement snag lists and insure finalization of same by the Contractor for the Consultant's approval.
- Arrange for and attend the final handing-over inspection of the facility at the end of the Defects Liability period.
- Approve the release the performance bond to the Contractor.
- Certify the final payment to the Contractor of any remaining retention money.
- Other additional services during the Defects Liability period may additionally be rendered at terms and conditions to be mutually agreed. These may include coordinating the completion by the Contractor of all required repairs and adjustments.

E4 - LATEST PROJECTS MANAGED BY PACE

- **Contracts and claim Consultant for ALGHANIM INTERNATIONAL – KUWAIT/RIYADH**
 - **Al Zor Petroleum Refinery project** (450 M \$US) – Handed Over in June 2022.
Scope of work: Contract and Claim Consultant / concluded Mediation in London.
 - **Al Khiran Mall** (275 M \$US) – Handed Over in April 2023.
Scope of work: Contract and Claim Consultant.
 - **Kuwait Cancer Center Hospital** (570 M \$US) – In progress
Scope of work: Contract and Claim Consultant.
 - **Avenues Riyadh- Towers 1, 2 & 3 (600 M \$US)** – In Commencement
Scope of work: Contracts

- **ASBAYA RESTAURANT**, Sodeco, Beirut; Employer: Mr. Samer Halimeh , Consultant: Antoine Tabet Architects (ATA)
Handing over in March 2025
Scope of services: tender, Project management & technical supervision.
- **Rmeil 563, MTV street** - high end residential building - 5 basements, Ground floor & mezzanine, 10 upper floors with Mezzanine.
Employer: Elie Samaha & Co, Architect: CODD - Elie Ashkar
Handed over in 2022
Scope of services: Structural Design, tender preparation, Technical Supervision (for Civil works)
- **BBAC Disaster Recovery Site , Baaklin.** Built-up area 2,400 m2
Employer: BBAC Bank
Handed over in August 2021
Scope of services: Tender preparation, Project Management and Technical Supervision during.
- **BAHAMDAN VILLA**, Riyadh, KSA; Employer: Mr. Mouhannad Abdallah Bahamdan , Consultant: Badih & Kantar Architects (B&K),
handed over December 2019
Scope of services: Structural Design, Contracts Administration & Project management
- **UPTOWN BADARO**, Two Residential Blocks E & F and one Commercial Block D (offices) and 4 underground common basements - built-up area 19,000 m2
Employer: Badaro Garden, Employer Representative: FFA Real Estate, Architect: Atelier des Architectes Associés (AAA)
handed over in 2019
Scope of services: Project Management and Technical Supervision
- **NAAS SPRING INFRASTRUCTURE** Employer: FFA Real Estate , Consultant: RELK
handed over in June 2018.
Scope of services: Contracts Administration & Technical supervision
- **AMCHIT BAY, Amchit, Jbeil**, Beach complex comprising six separate villas and 19 interlocking lofts surrounded by landscaped and recreational areas , private and common pools (built-up area 11,000 m2). Employer: Amchit Bay, Employer Representative: FFA Real Estate, Architect: SOMA,
January 2017.
Scope of services: Tender preparation, Project Management.
- **FRANSABANK Data Center, Fransabank Headquarters, Hamra Beirut ,.**
Employer: Fransabank , Architect: Erga Group (Value of the works 6 Millions \$US)
handed over in 2017
Scope of services: Tender preparation, Project Management.
- **BBAC Bechara El Khoury Branch**
Employer: BBAC Bank
Handed over in August 2017

Scope of services: Tender preparation, Project Management and Technical Supervision

- **DOMAINE MAROUN CHEDID Culinary Academy and Restaurants - Rue Du Liban , Ashrafieh .**
Handed Over December 2017
Scope of services: Tender preparation, Project Management and Technical Supervision
- **FRANSABANK Disaster Recovery Site, Ghineh, kesrouan.**
Employer: Fransabank, Architect: Erga Group (Built-up area 21,350 m2)
Project On Hold
Preconstruction Scope of services: Project Management / Value Engineering during Design & Tender Phase
- **SAIFIRISE (SAIFI 405) , High End Residential Building (5 basements, a Ground Floor & a Mezzanine, 12 upper floors) Built-up area 5,800 m2 located in Down Town Beirut.**
Employer: AMARA s.a.l / Abdel karim EL Khalil. (sale value 21 Million \$US)
handed over in 2016.
Scope of services: Shoring works supervision, Tender preparation, Technical Supervision, Project Management.
- **HUAWEI Main Offices, Cubic Center, Sin El Fil, 12th Floor**
Employer : HUAWEI TECHNOLOGIES , Consultant: PACE,
Handed Over in June 2016.
Scope of services: Design, Tender preparation, Project Management, Technical Supervision.
- **ASHRAFIEH 234, Sassine Square. high end residential building - 4 Basements, Ground floor & Mezzanine and 11 upper floors (Built-up area 4015 m2)**
Employer: Four Dimensions, Architect: World Architecture Leaders In Design
Scope of services: Structural Design, Tender preparation, Project Management and Technical Supervision.
- **UNESCO PARK, plot 5165 Msaytbeh - Beirut.** High end Residential building located on plot 5165 Msaytbeh - Beirut and consisting of three Basements, a Ground Floor and thirteen Upper Floors with a total built-up area of 22,800 m². Employer: Rami Hourie, Architect: Jacques Abi Khaled (Sales Value 40 Millions \$US).
handed over 2015
Scope of services: Development, Project Management & Technical Supervision under Hourie Development
- **CEDAR OASIS, Limassol - Cyprus.** Mix-use complex comprising retail spaces, offices, residential apartments and duplexes, and consisting of two Basements, a Ground Floor, a Mezzanine and fifteen upper floors with a total built-up area of 12,550 m². (Sales Value 35 Million \$US)
Scope of services: Feasibility study, Tender and Contracts under Hourie Development
- **HERI BEACH RESORT – Heri North Lebanon -** Mix-use complex comprising NABU Museum, Restaurant, beach facilities, event spaces, pools, landscaping spread on around 14,000 m2

Employer: NAOURA REAL ESTATE Mssr. Zeina & Jawad Adra

Handed Over in June 2019.

Scope of services: Tender preparation, Project Management and Technical Supervision.

- **FOCH'94** (foch street facing Marine Army Base) - high end residential Project located in Beirut's Central District (SOLIDERE)
Employer: FFA Provate bank/Rami Hourie, Architect: nabil Gholam
Scope of services:Project Management and Technical Supervision under Hourie Development
- **MINA EL HOSN 1380** (Wadi Abou Jmil - adjacent to Elie Saab Bldg) - high end residential Project located in Beirut's Central District (SOLIDERE)
Employer rami Hourie, Architect: Charles Hadifeh.
Scope of services:Project Management and Technical Supervision under Hourie Development

----- end of project management scope of services

F- STRUCTURAL DESIGN / TECHNICAL SUPERVISION

Selective projects in Lebanon, West Africa, France and the Gulf are listed below (1994 – 2023):

F1- LEBANON

➤ COMMERCIAL BUILDINGS AND MALLS

- Farra Furniture Stores, Mkalles, *Antoine Akiki Design Office*
- Lexus Showroom, Zalka Highway, *Antoine Akiki Design Office*
- Maidaa Commercial Center, Mkalles, *Antoine Akiki Design Office*
- Beirut City Center (Al Futaim Mall ~ 200,000 m2 constructed areas), Hazmieh, for Al Saad General Contracting (Preparation of Structural Shop Drawings)
- Supervalu Commercial Center, Zalka Highway, for E.C.Group (preparation of Structural Shop Drawings)
- Volvo Headquarter, Jdeide , *ARCA – Architect Ziad Makary*

➤ HOTELS

- Sunshine Hotel – Behwaita North Lebanon, *Antoine Akiki Design Office*
- Nest 1 Hotel, Ashrafieh, *Architect Jean Marie Taoutel*
- Jet Hotel, Jounieh , Highway, *SITES db, Architect Issam Barhouch*
- Sin el Fil 2345, serviced apartments, Sin EL Fil, *ARCA – Architect Ziad Makary*

➤ RESIDENTIAL BUILDINGS

- Rahme Buildings, Dahr El Sawan , *Bureau D'etude Georges Majdalani*

- Choueiry & Saade Building , Ashrafieh , *Bureau D'étude Georges Majdalani*
- Al – Tamsha Building , Naccash, *Germaine Abdelhay Design Office*
- Valencia Tower II residential building,Mina El Hosn, Beirut, *World Architecture Leaders In Design*
- “St Micheal” building, Mazraa Beirut, *Bureau D'étude Georges Majdalani*
- Mazraa 261, Beirut, *Bureau D'étude Georges Majdalani*
- Bldg 599, Beirut Southern suburbs, *Archiscope*
- Bldg 1597, Beirut Southern suburbs, *Archiscope*
- Bldg 2606, Beirut southern suburbs, *Archiscope*
- Bldg 73, Beirut Southern suburbs, *Archiscope*
- Bldg 2633, Beirut Southern suburbs, *Archiscope*
- Majzoub Residential Buildings, Bsalim, *Georges Sahab Architect*
- Raad Building Kfour, *Bechara Kowaik Architect*
- Safra 1978 , Safra, *Architect Raymonda Geha*
- Tannourine 465 Wedding Venue, *Architect Raymonda Geha*
- Vanlian Compound, Ouyoun Al Siman, *SITES db, Architect Issam Barhouch*
- Ibrin residential Complex, Ibrin, Batroun, *Architecte Bassam Matar*
- Baabda 2979, residential bldg, Baabda, *Tarek Khoury Design Office*
- Kleat 1988 Residential Building, *Architect Rami Choueiry*
- Franjeh Residential Bldg, Naccash 1109, *Antoine Akiki Design Office*
- Hikmat Abou El Hosn Residential Building, El Kalaa, *Marwan Abed Architect*
- Medawar 466 Residential Bldg, Beirut , Medawar, *SITES db, Architect Issam Barhouch*
- Rmeil 52 Residential Building, Rmeil, Beirut, *Bureau D'étude Georges Majdalani*
- Ahrafieh 4748 , (*Preparation of Part of Structural Shop Drawings for Hourie*)
- Baaklin 2060 residential complex, Baaklin, *Marwan Abed Architect*
- 54 – Kahale Suites residential building, *CODD – Architect Elie Ashkar*
- Fairview Residences – Zouk Mosbeh, *Antoine Akiki Design Office*
- Rmeil 2142, Rmeil, Beirut, *CODD – Architect Elie Ashkar*
- Rmeil 563, Residential Building, Rmeil, Beirut, *CODD – Architect Elie Ashkar*
- Ashrafie 234, Residential Building, *World Architecture Leaders In Design*
- Ashrafie 474, Yessayan Developments, Residential Building, *Architect Jad Ziadeh*
- Quarter 12 & Quarter 34 , Residential Towers, Nazareth 2407, *SITES db, Architect Issam Barhouch*
- Hadath 932 Residential Building, Bsaba , *Architect Charbel Loutfi*
- Kfour 1321, Residential Building , Kfour, *Bechara Kowaik Architect*
- Bsaba 207 residential buildings, Bsaba , *Architect Charbel Loutfi*

- 1573 Antelias residential tower , *World Architecture Leaders In Design* Bdadoun 546, Bdadoun, *Arch Charbel Howayek*
- Fatka 316 – Fatka, *Antoine Akiki Design Office*
- The Obsedian Project - Ashrafie 5416, Yessayan Developments - Residential Building near Rizk Hospital, *Architect Jad Ziadeh*

➤ VILLAS

- Rahme Villas , Dahr El Sawan, *Bureau D'etude Georges Majdalani*
- Villa Hosri , Ghbale, *Germaine Abdelhay Design Office*
- Villa Elie Saab (fashion designer) , Faqra , *Architect Charles Rizk*
- Villa rosa, Kfour, *Bechara Kowaik Architect*
- General Salah Haddad Villa , Nahr el Dahab, *Architect Fouad Haddad*
- Villa Faqra 9314, Faqra,, *Architect Charles Rizk*
- Villa Faqra 9331, Faqra, *Architect Charles Rizk*
- Khalaf/Maarrawi Villas, Kfour, *World Architecture Leaders In Design*
- Abou El Hosn Villas plots 1865 & 1813, Btekhney, *Marwan Abed Architect*
- Abou Asly villa , kfour , *Bechara Kowaik Architect*
- Zeaiter Villa, Kfour , *Bechara Kowaik Architect*
- Villa Abed, Mechref, *Marwan Abed Architect*
- Etel Villa, Kfour - *Design, technical supervision and Project Management.*
- Laham Villas, Aytat, *Marwan Abed Architect*
- Kfardebian 6024 complex, Kfardebian, *SITES db, Architect Issam Barhouch*
- Villa Elie Khoury, Kfour, *Bechara Kowaik Architect*
- Salha Villa, Kfour, *World Architecture Leaders In Design*
- Faqra 1009 Chalets, Faqra, *Antoine Akiki Design Office*
- Dr. Wakim Villa , Dlehta, *SITES db, Architect Issam Barhouch*
- Abou El Hosn Villa 1, Btekhney, *Marwan Abed Architect*
- Abou El Hosn Villas 2&3, Btekhney, *Marwan Abed Architect*
- Sheikh Mohammad Al Thani Villa , Dahr EL Sawan, *Bureau D'etude Georges Majdalani*
- Faqra 289 villa, Kfertay, *Leftish Architects New York*
- Doumani Villa, Montiverde, *Architect Charbel Loutfi*
- Kfardebian 7030 complex, Kfardebian - *Design, technical supervision and Project Management, SITES db, Architect Issam Barhouch*
- Liwaa Nwayhed Villa, Ras El Maten, *Marwan Abed Architect*
- Rabih Mahmoud Villa, Ras El Maten, *Marwan Abed Architect*

- Villa Allam, Kfour, *Architect Georges Majdalani*
Wael Amer Villa, Adma, *BADIIH & KANTAR ARCHITECTS B&K*
- 901-889 Dahr El Sawan Villas , 3 No. , *Tarek Khoury Design Office*
- Abou Rafeh Villa, Rouwayset El Ballout, *Architect Charbel Loutfi*
- Zouein-Dahdah Villa, Kfour, *Bechara Kowaik Architect*
- Wadih Abou Nasr Residence, Broumana 888, *NSA – Architect Naji Sfeir*
- Fayad Residence, Baabdat, *NSA – Architect Naji Sfeir*
- Wissam Geha Villa , Kfour , *Architect Jean Claude Malhame*
- Mr. Ahmad Hijazi Villa , Saida, Lebanon, *BADIIH & KANTAR ARCHITECTS B&K*
- K 985, Kfardebian, *SITES db, Architect Issam Barhouch*
- Winter Green Complex, Zaarour, *NSA – Architect Naji Sfeir*
- Lakeside, Zaarour, *NSA – Architect Naji Sfeir*
- K 8345, Kfardebian, *SITES db, Architect Issam Barhouch*
- Kfardebian 7991 Villa, Faqra, *Architect Issam Barhouch*
- GS 8193 Villa, Faqra, *Architect Issam Barhouch*
- KF13392 Villa, Kfardebian, *Architect Issam Barhouch*
- KL 613 Villa, Kfardebian, *Architect Issam Barhouch*
- Wakim Villa, Faqra, *NSA – Architect Naji Sfeir*
- Khoury Villa, faqra, *NSA – Architect Naji Sfeir*

➤ **SPECIAL PROJECTS**

- Municipal cemeteries , Ghazir, *Architect Fouad Hanna*
- German Embassy – Visa section Mtayleb, *Antoine Akiki Design Office*
- German Speaking Evangelical Congregation Building, Manara, Beirut, *Architect Charles Rizk*
- BBAC (Bank of Beirut & the Arab Countries) headquarter, Baaklin, *Architect Marwan Abed*
- SOIME batch plant, Dora, SOIME, *Marwan Abed Architect*
- Solipro Offices Faqra Club, *SITES db, Architect Issam Barhouch*
- Solipro Playground, Faqra Club, *SITES db, Architect Issam Barhouch*
- Antonine School , Mar Roukoz Dekwaneh, *GMDA*
- Beirut Port – Sectional Walls, Manholes & Reefers Stack, Quay Beams..., *Hourie*
- Habib Publishers Headquarter – Zouk Mikael, *SITES db, Architect Issam Barhouch*
- Communal Water reservoir & garage , Kfardebian, *Les Plateaux de Mzar*
- Hopital Libano-Francais Extension , Zahle, *Bureau D’etude Georges Majdalani*
- Tannourine wedding venue
- Hadath Stone Factory, Bsaba , *Architect Charbel Loutfi*

- Antonine International School Extension , Ajaltoun, *Landscapers Team, Charles Rizk*
- Cimenterie Nationale Annexe ,Selaata, *ECM lebanon*
- Antonine International School Nursery, Ajaltoun, *Landscapers Team, Charles Rizk*
- ADA DODGE Building , UNESCO rehabilitation program, American University of Beirut, *Architect Naji Sfeir*

F2- WEST AFRICA

- Dr Fisher Villas, Nigeria , *Antoine Akiki Design Office*
- “Rent a Flat” Residential compound, Nigeria, *Antoine Akiki Design Office*
- MTN Telecom Headquarter in Abidjan, Ivory Coast , *BATIM CI*
- Industrial steel transformation unit for “Universelle Industrie” , Ivory Coast , *BATIM CI* (20,000 m2 Steel Warehouses/workshop)
- “Universelle Industrie” accomodation Building, Ivory Coast, , *BATIM CI*
- Groupement 4000 residential Complex , Ivory Coast, , *BATIM CI*
- Zein Telecom Building, Nigeria, *GMDA*
- Nacala Club, Mozambic, *SITES db, Architect Issam Barhouch*
- Ouzoumba Commercial Tower, Victoria Island, Lagos, Nigeria, *BADIIH & KANTAR ARCHITECTS*
- Residential compounds in Ivory Coast and Mali, *Hourie Development Offshore*
- DT-B06 Residential Towers, three towers of 21 floors each , Nigeria – Lagos, *Antoine Akiki Design Office*
- White Sand residential Compound, Sierra Leon, *BADIIH & KANTAR ARCHITECTS B&K*
- Jarmakani Commercial Tower, Lagos, Nigeria, *BADIIH & KANTAR ARCHITECTS B&K*
- Jubilee Residential Compound, Nigeria, *Wael Mansour*
- Tamuda Residential Complex, Maroc, *SITES db, Architect Issam Barhouch*
- Outunba Commercial Center, Nigeria, *Wael Mansour*
- BANANA A & BANANA C Projects, Nigeria , 8 storey multi use buildings - *Wael Mansour*
- LEKKI Project, Nigeria , *Wael Mansour*
- IKOTA Project, Nigeria , commercial building, *Wael Mansour*
- JUBILEE Project, Nigeria , residential buildings compound, *Wael Mansour*
- WALTER FEGHABO Project, residential building, Nigeria , *Wael Mansour*
- OMO EKO furnished apartments, - 23 storey building located on Lekki-Epe Expy street Victoria Island, Lagos Nigeria - *NSA – Architect Naji Sfeir*
- Various Consultancy services for MA INT. DESIGNS LTD, Lagos Nigeria
- Various Consultancy services to AL MANSOUR GROUP, Lagos Nigeria
- Congo School, Kelwazi, Congo, *BADIIH & KANTAR ARCHITECTS B&K*

- Signatoria Heights Tower, Osboren Ikoyi Nigeria, AL Mansour Group
- Banana 402- Block Of Maisonettes Tower (23 storeys), Banana Island, Nigeria, Al Mansour Group
- TM HIGH GARDEN residential Tower – (32 Storeys), Lagos EKO Atlantic, Nigeria, Al Mansour Group
- Congo Mall, Shopping Center Congo, BADIH & KANTAR ARCHITECTS B&K
- IMEH Residential Tower = (20 Storeys), Iagos, Nigeria, Al Mansour Group
- Usine Agro-alimentaire - Tanènè – Boffa – Guinee, (100,000 m2 factory facilities) Employer : Continental Group, Architect : Metrecarre.
- Lagos Pitstop, Lagos Nigeria - *Architect Issam Barhouch*
- Miniere Villa 2 – Guinee - *Architect Issam Barhouch*
- Kindia Villa – Guinee - *Architect Issam Barhouch*
- Congo Villas, Congo, BADIH & KANTAR ARCHITECTS B&K
- Business Gate commercial Complex (8 commercial buildings & a Hotel), Benghazi Libya BADIH & KANTAR ARCHITECTS B&K
- GHB palace, Benghazi Libya, BADIH & KANTAR ARCHITECTS B&K
- FLV Fattouh Villa, Egypt, BADIH & KANTAR ARCHITECTS B&K
- Angola Mall , Raidy Architecture Studio

F3- ABU DHABI

- **Al Sayegh Commercial & Residential Bldg** (40,000 m2), Abu Dhabi , *World Architecture Leaders In Design*, (4 basements, a ground floor, a mezzanine floor , 20 upper floors and a roof)
- **Gulf Hotel - area F** (35,000 m2), Abu Dhabi, *World Architecture Leaders In Design* (3 levels of parkings & service areas covered by large landscaped areas and tennis courts)
- **Al Kaaby Residential Bldg** (20,000 m2), Abu Dhabi , *World Architecture Leaders In Design* (3 basements, a ground floor, a mezzanine floor, 14 upper floors)
- **Planet Hotel** (44,000 m2), Abu Dhabi *World Architecture Leaders In Design* (pending - 3 basements, a ground floor, 2 podiums, a mechanical floor, 18 upper floors and 2 levels of roof including an elevated pool)
- **Planet Residence** (55,000 m2), Abu Dhabi , *World Architecture Leaders In Design* (pending - 4 basements, a ground floor, a mezzanine floor, a technical floor, 23 upper floors)
- **Beach Towers** (90,000 m2), Abu Dhabi , *TLD Designers*, (1 basement, 3 podiums, 23 upper floors)

F4- DUBAI

- **Layia Hotel & Spa** (45,000 m2), Al Barsha, Dubai, *World Architecture Leaders In Design* (3 basements, a ground floor, 15 upper floors and 3 levels of roofs including an elevated pool)

F5- QATAR

- **Buzwair Offices Headquarters** (8,000 m2), Doha, Qatar, C ring road , *TLD Designers*
- **Qatar 16020 Palace & Majlis** (15,000 m2), Doha, Qatar, , *Architect Esenn Franjeh*

F6- KINGDOM OF SAUDI ARABIA (KSA)

- **Lulu Mall & Hotel - Phases I & II** , Jeddah, KSA , *BADIIH & KANTAR ARCHITECTS B&K* (~ 140,000 m2 , 1 basement, a ground floor & 10 upper floors) , Employer: *AL SUBEAEI REAL ESTATE*
- **Makkah Gate, residential Villas**, Makkah, KSA, *BADIIH & KANTAR ARCHITECTS B&K*
Employer: *AL SUBEAEI REAL ESTATE*
- **Al Rajihi, Residential Compound, KSA, BADIIH & KANTAR ARCHITECTS B&K**
- **Al Sultan Garden, Mall, KSA, BADIIH & KANTAR ARCHITECTS B&K**, Employer: *AL SUBEAEI REAL ESTATE*
- **Al Suhaimi Villa, KSA, BADIIH & KANTAR ARCHITECTS B&K**
- **Al Barghach Tower , KSA, BADIIH & KANTAR ARCHITECTS B&K**, Employer: *AL SUBEAEI REAL ESTATE - AIMS*
- **Bahamdan Villa, KSA, BADIIH & KANTAR ARCHITECTS B&K**
- **Sleiman EL Rajhi Villa, KSA, BADIIH & KANTAR ARCHITECTS B&K**
- **AL Jubair Villas (4 No.), KSA, BADIIH & KANTAR ARCHITECTS B&K**
- **Majlis Grand Mercure Hotel, Riyadh, KSA, BADIIH & KANTAR ARCHITECTS B&K -**
Employer: *Ramlah Real Estate Development*
- **Diwan EL Bahr Beach Complex, Ubhor, KSA, BADIIH & KANTAR ARCHITECTS B&K -**
Employer: *AL SUBEAEI REAL ESTATE - AIMS*
- **The Grid Prestigious Mall, Jeddah, KSA, BADIIH & KANTAR ARCHITECTS B&K-** Employer: *AL SUBEAEI REAL ESTATE – AIMS*
- **Dar Baraka Residential Villa & Annex, Jeddah KSA, Architect Maher Akkawi**
- **Prince Faysal & Prince Saoud Villas, KSA, Architect Joseph karam**

F7- FRANCE

- **Bellevue Residential Building** , *Bureau D'etudes Mario maalouf*
- **Gennevilliers Residential Complex**, *Bureau D'etudes Mario maalouf*

----- End of structural design scope of services