



# DESIGNS & ENGINEERING CONSULTATIONS HOUSE

*Architectural – Civil - Electromechanical*

**Associate Prof. Dr./ Wael Bahlol**

# DESIGNS & ENGINEERING CONSULTANTS HOUSE

*Architecture - Planning - Interior*

**Associate Prof. Dr./ Wael Bahlol**



## **□ The office firm is:**

- **Architectural design.**
- **Structural design.**
- **Electromechanical.**
- **Interior design.**
- **Site supervision.**

## **□ The office data:**

- **Owner: Dr. Wael Bahlol.**
- **Since: 1998**
- **Head Office: S-307, Polygon, Beverly Hills, Elsheikh Zayed, Egypt.**
- **Branch: 128 Elhekma st. 8<sup>th</sup> District, Elsheikh Zayed, Giza, Egypt.**
- **Hot line: +2 01222245111**
- **Web Site: WBGROUP-EG.COM**

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# **Samples of Our Projects**

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## □ HOTELS & RESORTS PROJECTS:

- General & Architectural consultant for a five- star hotel (1000 rooms, belongs to Al- Shekh. Talaat Saqa & Mr. Ibrahim Adawy, (Cairo- Egypt).
- General & Architectural consultant for a four- star hotel (280 rooms, belongs to Al- Shekh. Talaat Saqa, (Cairo- Egypt).
- General & Architectural consultant for a residential hotel (80 studios, belongs to Mr.Mohamed Owaed, (Hurghada- Egypt).
- General & Architectural consultant for a Touristic Village, belongs to Mr.Ahmed Elsokary, (El-Sokhna- Egypt).
- General & Architectural consultant for a Touristic Village, belongs to Mr. Talaat Mohamed, (El-Sokhna- Egypt).
- General & Architectural consultant for a Aqua city (Crazy Water city), (Cairo- Egypt).
- Participating in working drawings& details for a Rivera Touristic village, (Taba- Egypt).

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**Construction consultant**



- Hilton Karnack Hotel , belongs to The Arab Investment Company (luxor - Egypt).
- Sinbad touristic village, belongs to Shamalco company for touristic projects , (Hurghada - Egypt).
- Merit touristic village, belongs to Merit Company for touristic development , (Hurghada- Egypt).
- Safir touristic village , belongs to Egyptian company for tourism & services, (Hurghada - Egypt).
- A touristic village, belongs to Central Security Employees association , (Arish – Egypt ).
- Casablanca touristic village , belongs to malaco Elimar international company , (Hurghada – Egypt ).
- A touristic village , belongs to Egyptians abroad Company , (Fayed - Egypt ).

## DESIGNS & ENGINEERING CONSULTANTS HOUSE

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**Construction consultant**



- Hurghada Hotel , belongs to MR.Ahmed Abdel Maksoud, (Hurghada – Egypt ).
- Celebrations Hall , belongs to Pyramids Gardens Association (6<sup>th</sup> October city – Egypt ).
- Liptes Touristic Village , belongs to MR. Ahmed Ttanaki , (Hurghada - Egypt).
- Yasmina touristic village , belongs to MR. Adel Abdel Razik , (Ras sedr – Egypt).
- Dolphin touristic village , belongs to Dolphin company, (Dahab – Egypt ).
- Acabolko village , belongs to North Sinai Coast Company , (Sharm El-Sheikh – Egypt ).
- Asa Red SEA village , belongs to El-Rahma Company , (Sharm El-Sheikh – Egypt ).
- Oldvik Hotel , belongs to El-Rahma Company , (Hurghada – Egypt ).

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- 
- Royal Elbatros Resort & village , belongs to Modern Company for Investments , (Sharm El-Sheikh – Egypt ).
  - Prestegia touristic village , belongs to Elbatros Company for Touristic Investment , ( Hurghada – Egypt ).
  - High Jet village ( 2 ) , belongs to Neuva Merit Company for touristic development , (Hurghada - Egypt).
  - High Jet village ( 3 ), belongs to Neuva Merit Company for touristic development, (Hurghada – Egypt )
  - High Jet village ( 1 ) reinforcement works , belongs to Neuva Merit Company for touristic development, (Hurghada – Egypt )
  - Conferences & Celebrations Hall in PortMerit village ( palasio ) , belongs to Neuva Merit Company for touristic development , ( Hurghada – Egypt ).
  - A Hotel Building , belongs to MR. Mohamed Ali Caldary , (Doha ).
  - A Hotel Building , belongs to MR. Ismail Sherif El emadi , (Doha ).

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- 
- Greens, belongs to Sahara Developing Company , (El-Sheikh Zayed City - Egypt).
  - Sharm Cliff , belongs to Sharm Foundations , (Sharm EL-Sheikh - Egypt).
  - Amira Resort , belongs to El-Nor Company for Tourism , (Ras sedr - Egypt).
  - Tirana Intercontinental Hotel , belongs to Al Kharafi Group , (Tirana - Albania).
  - Hurghada Intercontinental Hotel , belongs to International Continental Co , ( Hurghada – Egypt ).



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## □ OFFICE BUILDING PROJECTS:

- Participating in Architectural design for a Police training academy contest, (Aloha- U.A.E.).
- Participating in Architectural design for an Office building, belongs to Financial ministry, (Uganda).
- Participating in Architectural design for an Office building, belongs to Al-Sheikh. Fahad Ben Gasem Al-Thani, (Doha- Qatar).
- Participating in Architectural design for an Arabian Africa Bank, (Cairo-Egypt).
- Participating in Architectural development contest for a V.I.P.'s halls in International Cairo airport, (Cairo-Egypt).
- Interior design for an Arabian company, (Cairo-Egypt).

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- 
- Sub – Engineers Syndicate , belongs to Engineers Syndicate , (Damietta – Egypt ).
  - Abou Hadid Police Station , belongs to Ministry of Interior , (Giza – Egypt).
  - El-Maadi Tower , belongs to El-Nile Company for Real Estate Development , ( El-maadi – Egypt ).
  - Educational Building (6) , belongs to Misr University For Sciences&Technology , (6<sup>th</sup> October City – Egypt ).

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- 
- Structural Revision & Correction for Cars Services Center , belongs to Abou Ghali Company for Cars – MR. Montaser Abou Ghali , (El- Katameya – Egypt ).
  - Structural Design for Cars Workshops Building , belongs to Solico Egypt Company - MR. Khalid Yaqout , ( El- Katameya – Egypt ).
  - Palms Grand Plaza Hotel Reinforcement Works , belongs to Palms Grand Plaza Hotel , ( Sharm El-Sheikh – Egypt).
  - El-amal for Medicine Production Building , belongs to EVA for Medicines Productions Company , (Giza – Egypt ).
  - Office Building , belongs to EVA for Medicines Productions Company , (Giza – Egypt ).
  - Structural Revision & Correction for Office building and Cars Showroom , belongs to Audi Comp , (El- Katameya – Egypt ).
  - 4 office building , belongs to MR. Mohamed Fahd Pazaair El-Dossary , (Doha).

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- A Factory & Office Building , belongs to Intercare Company , (El-Obour City – Egypt ).
- A Water Tank , belongs to Amanda Factory , (10<sup>th</sup> of Ramadan – Egypt ).
- Cairo Cotton Center Company – New Expansions , belongs to Cairo Cotton Center Company , ( Qalyoub – Egypt ).
- Office Building , belongs to United Company for Trade and Transport – MR. Magdy Abbas , ( Qalyoub – Egypt ).
- Office Building , belongs to Cairo Dyeing Center – MR. Tolba Magdy & Part , (10<sup>th</sup> of Ramadan City – Egypt ).
- Concrete Mix Station Buildings , belongs to Uni Mix Company for Ready-Mixed Concrete – MR. Magdy Abbas , ( 6<sup>th</sup> October City – Egypt )
- Exhibition Building , belongs to MR. Said Ahmed Hawas , (Jeddah).
- Exhibition Building , belongs to MR. Bilbeid , (Riyadh).
- EL-Assani Exhibition , belongs to MR. M El-assani , (Jeddah ).
- Office Building , belongs to Shiekh / Abdel Latif , (Jeddah).

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- 
- FERCON Wiring Systems S.A.E , belongs to Farcon Company , (6<sup>th</sup> of October City - Egypt).
  - AFNCI Office Building , belongs to Association of Friends of National Cancer Institute, (Sayeda Zeinab - Egypt).
  - \_IT Worx , belongs to IT Worx Company , (Cairo - Egypt).
  - Islam Online Media International , belongs to Farcon Company , (6th of October City - Egypt).
  - Port Ghalib Activity Center , (Marsa Alam – Egypt )
  - Hindawy Publishing Corp , belongs to Hindawy Publishing , (6th of October City – Egypt ) .
  - ACPA Co. Administrative Buildings , belongs to ACPA Alexandria Co. for Petroleum Additives , (Alexandria – Egypt ) .

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## □ MALLS & OFFICE BUILDING PROJECTS:

- General consultant for a Mall building - Mr. Mohamed Owaed, (Hurghada- Egypt).
- General consultant for a Mall building - Al- Shekh. Talaat Saqa & Mr. Ibrahim Adawy, (Cairo- Egypt).
- General consultant for Valeria Mall building - Mr. Ahmed Diab, (Giza, Egypt).
- General consultant for a Mall building - Elkhaleg co., (Badr city - Egypt).
- General consultant for a Mall building - Daltex co., (Elnobaria - Egypt).
- General consultant for a Mall building, belongs to WB developments co., (Elsheikh Zayed - Egypt).
- Commercial Residential Tower , belongs to MR. Ahmed Said Elbasim , (Jeddah ).
- General consultant for a Mall building, belongs to Mr. Hisham Salem, (6 October - Egypt).
- General consultant for a Mall building - Elhayat developments co., (Elsheikh Zayed - Egypt).

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## ❑ MUSEUM PROJECTS:

- Participating in Architectural design for a Nationalist Sharm El-Shekh museum contest, (Sharm El-Shekh- Egypt).

## ❑ SOCIAL & HEALTH CLUBS PROJECTS:

- Development & Interior design consultant for a Shery Nile Health Club- Hilton Ramses Hotel (Cairo- Egypt).
- Development & Interior design consultant for an El-Magd Health Club (Cairo- Egypt).
- Diplomatic Club , belongs to Ministry Of Foreign Affairs , (Cairo City Centre - Egypt).
- Hadaek Elahram club - belongs to Hadaek Elahram Club , (Elharam – Egypt).
- Design for some buildings in Petrosport Club as A Counselor for Petrojet Company , belongs to Petrojet Company , ( Fifth settlement – Egypt ).

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## □ HOSPITAL PROJECTS:

- Al Waha Hospital belongs to Mr. Nabil Mohamed – (Hadaek Elahram, Giza – Egypt).
- Participating in working drawings& details for a Alazhar educational hospital, (Cairo- Egypt).
- A specialized Hospital , belongs to Ministry of Health , (Abha ).

## □ EDUCATIONAL PROJECTS:

- Thebes Integrated Schools , belongs to Dr. Sedique Afifi , (Cairo- Ismailia highway - Egypt).
- Nefertary Language Schools , belongs to Nefertari for Educational Services – Ms. Nadia Hafez , (Ismailia desert Rd - Egypt).
- Superior Schools, Belongs to Superior Educational co. (6 October).



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## ❑ RESIDENTIAL PROJECTS:

- General & Architectural consultant for a residential town (Sun Gate), belongs to Mr. Ashraf El-Shety, (Cairo- Egypt).
- Architectural consultant for a residential Compound, La Vista co., (Elshiekh Zayed - Giza- Egypt).
- Architectural consultant for a residential Compounds, EFID developments co., (6 October - Giza- Egypt).
- Architectural consultant for a residential Compounds, SAKAN Group co., (6 October - Giza- Egypt).
- Architectural consultant for a residential Compounds, PTC co., (6 October - Giza- Egypt).
- Architectural consultant for a residential Compounds, West Way co., (6 October - Giza- Egypt).
- Participating in Architectural design for a residential town- belongs to Arab Contractors, (Cambala- Oghanda).

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- 
- Architectural consultant for a residential villa, belongs to Mr. Hisham Kandel, (El-Fayroze Zone- Hurghada- Egypt).
  - Architectural consultant for a residential villa, belongs to Mr. Hisham Kandel, (Moubarak Zone- Hurghada- Egypt).
  - Participating in working drawings& details for Al-Ahly bank residential town, (Marsa Matrouh- Egypt).
  - Participating in Architectural design for a residential town- belongs to Arab Contractors, (Cambala- Oghanda).
  - Architectural consultant for a residential villa, belongs to Mr. Sayed Kandel, (Sahl Hashesh- Egypt).
  - Architectural consultant for a residential villa, belongs to Mr. Abd El-naby Fayed, (El-Haram- Giza - Egypt).
  - Architectural consultant for a residential villa, belongs to Mr. Ibrahim Adawy, (6<sup>th</sup> October - Egypt).
  - Al Tahady Land Reclamation , belongs to Al Shrouk Group for Land Reclamation , (Al Tahrir province - Egypt).

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- Architectural consultant for a residential villa, belongs to Mr. Ibrahim Adawy, (6<sup>th</sup> October - Egypt).
- Architectural consultant for a residential building, belongs to Mr. Mohamed El-Sadek, (El-Haram- Giza - Egypt).
- Architectural consultant for a residential building, belongs to Mr. Mohamed Goda, (6<sup>th</sup> October - Egypt).
- Architectural consultant for a residential villa, belongs to Mr. Ibrahim Aly, (Dream Land- 6<sup>th</sup> October - Egypt).
- Architectural consultant for a residential building, belongs to Mr. Mamdouh Eata, (New Cairo- Egypt).
- Architectural consultant for a residential villa, belongs to Mr. Hany Khorshed, (Sahl Hashesh- Egypt).
- Architectural consultant for a residential building, belongs to Dr. Salah El-din Bahlol, (El-Haram- Giza - Egypt).
- Architectural consultant for a residential villa, belongs to Mr. Adel Abd-Elgawad, (El-Haram- Giza - Egypt).

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- Architectural consultant for a residential villa, belongs to Mr. Kamal El-din Abdo, (New Cairo- Egypt).
- Architectural consultant for a residential villa, belongs to Mr. Baher Zaghoul, (New Cairo- Egypt).
- Architectural consultant for a residential building, belongs to Mr. Mohamed Nabil, (El-Mansoura- Egypt).
- Participating in Architectural design for a residential villa- belongs to Dr.Ghanem Al-Hamady, (Aldoha-Qatar).
- Architectural consultant for a residential building, belongs to Mr. Abd El-Azez Mohamed, (New Cairo- Egypt).
- Architectural consultant for a residential villa, belongs to Mr. Hany Edward, (Sahl Hashesh- Egypt).
- Architectural consultant for a residential villa, belongs to Mr. Hanz Michel, (Sahl Hashesh- Egypt).
- Architectural consultant for a residential building, belongs to Mrs. Sanaa Haron, (El-Haram- Giza - Egypt).

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- Architectural consultant for a residential building, belongs to Dr. Anas Othman, (El-Haram- Giza - Egypt).
- Participating in Architectural design for a Ceramica Cleopatra residential village, (New Cairo- Egypt).
- Architectural consultant for a residential building, belongs to Mr. Hamdy Ahmed, (El-Haram- Giza - Egypt).
- Architectural consultant for a residential villa, belongs to Mr. Salah Zaky, (6<sup>th</sup> October- Egypt).
- Architectural consultant for a residential villa, belongs to Mr. Hisham Kandel, (Sahl Hashesh- Egypt).
- Architectural consultant for a residential building, belongs to Mr. Ahmed Fekry, (6<sup>th</sup> October - Egypt).
- Architectural consultant for a residential villa, belongs to Mr. Ahmed Fekry, (Cairo- El-Eskandaria road- Egypt).
- Architectural consultant for a residential building, belongs to Mr. Ahmed El-Hamedy, (El-Haram- Giza - Egypt).

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- El-Tawfik City , belongs to Egyptian Armed Forces , (Nasr City – Egypt).
- EL-Haram Farm , belongs to Egyptian Armed Forces , (Giza – Egypt).
- EL-Hoda Tower , belongs to MR. Taha ziad , ( Nasr City – Egypt )
- International Garden Tower , belongs to Architecture & Construction Company , ( Nasr City – Egypt ).
- ELShorouk 2000 City,belongs to Engineering Company For Construction , (Elshourok City - Egypt).
- Rehana El-maadi Tower, belongs to Modern Company , (El-maddi – Egypt ).
- EL-Mansoria Villas , belongs to El-Nile Company for Real Estate Development , (Giza – Egypt ).
- New Style Towers , belongs to New Style Company , (Heliopolis–Egypt).
- Nelly Gabor villa, belongs to MS. Nelly Gabor , (Misr-Alex Desert Road – Egypt ).
- Residential Tower , belongs to DR. Mounir Riad , (Pyramids Gardens City – Egypt ).

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# Brief of Our Projects

## ❖ HOTELS & RESORTS PROJECTS:

### Marriot Pyramids Hotel (1000 rooms).



#### **Owner :**

**Al- Shekh. Talaat Saqa.**

#### **Location :**

**Cairo – Egypt.**

#### **Project Description :**

**Site Area = 37002 m<sup>2</sup>**

**No. of Buildings : 5 Buildings.**

**No. of Floors: Several.**





# ❖ HOTELS & RESORTS PROJECTS:

## Marriot Pyramids hotel (1000 rooms)



## ❖ HOTELS & RESORTS PROJECTS:

### Hurghada hotel (176 rooms)



#### **Owner :**

**Mr. Mohamed Owaed .**

#### **Location :**

**Hurghada – Egypt.**

#### **Project Description :**

**Site Area = 1200 m<sup>2</sup>**

**No. of Floors: 8 Floors.**



## ❖ HOTELS & RESORTS PROJECTS:

### Elharam hotel (104 Apartment)



#### **Owner :**

**Kingdom co. for touristic investment**

#### **Location :**

**Giza – Egypt.**

#### **Project Description :**

**Hotel Apartments**

**Site Area = 7055m<sup>2</sup>**

**No. of Floors: 12 Floors.**



# ❖ HOTELS & RESORTS PROJECTS:

## Touristy Village



### **Owner :**

**Mr. Ahmed Elsokary .**

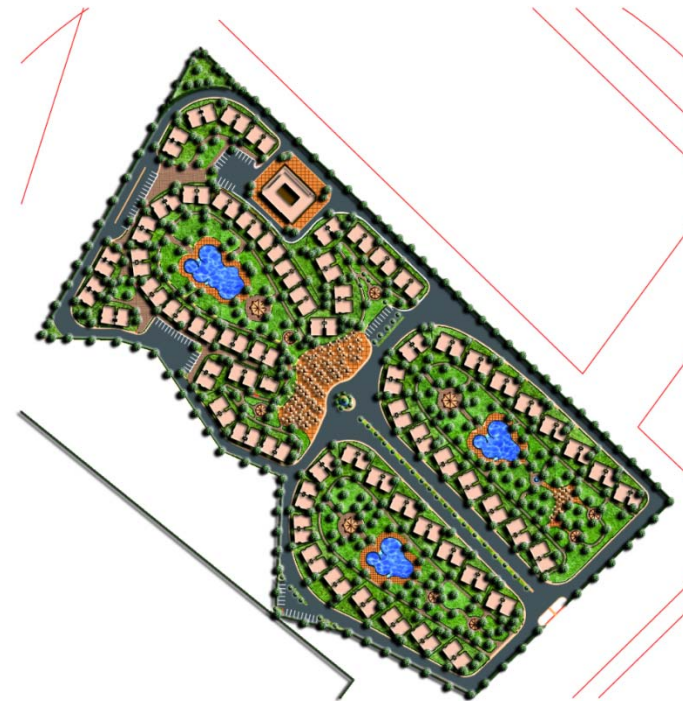
### **Location :**

**El-Sokhna – Egypt.**

### **Project Description :**

**Site Area = 63000 m<sup>2</sup>**

**No. of Floors: 4 Floors.**



# ❖ HOTELS & RESORTS PROJECTS:

## Touristy Village



### **Owner :**

**Mr. Khaled Ghanem**

### **Location :**

**Ras Sedr – Egypt.**

### **Project Description :**

**Site Area = 505000m<sup>2</sup>**

**No. of Floors: Several Floors.**



# ❖ HOTELS & RESORTS PROJECTS:

## Touristy Village



### **Owner :**

**Mr. Ibrahim Aly.**

### **Location :**

**El-Sokhna – Egypt.**

### **Project Description :**

**Site Area = 104500 m<sup>2</sup>**

**No. of Floors: 2 & 3 Floors.**



## ❖ HOTELS & RESORTS PROJECTS:

### Crazy Water



**Owner :**

**Touristy Water Co.**

**Location :**

**Cairo – Egypt.**

**Project Description :**

**Site Area = 45740 m<sup>2</sup>.**



# ❖ HOTELS & RESORTS PROJECTS:

## Touristy Village



### **Owner :**

**Park East Co. for touristic & Real Estate Investment**

### **Location :**

**Ras Sedr – Egypt.**

### **Project Description :**

**Site Area = 420,000 m<sup>2</sup>**

**No. of Floors: Several, 2-4 Floors.**





# ❖ HOTELS & RESORTS PROJECTS:

## Sinbad Touristic Village

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**Owner :**

**Shamalco Company for Touristic Projects.**

**Location :**

**Hurghada – Egypt .**

**Project Description :**

**5 Star Hotel .**

**Swimming pool – Restaurant.**

**Sports club.**

**Aqua park.**



# ❖ HOTELS & RESORTS PROJECTS:

## Merit touristic village



### **Owner :**

**Merit Company for touristic development.**

### **Location :**

**Hurghada – Egypt .**

### **Project Description :**

**5 Star Hotel.**

**Swimming pools – Restaurant.**

**Sports club.**

**Aqua park.**



## ❖ HOTELS & RESORTS PROJECTS:

### Safir touristic village



#### **Owner :**

**Egyptian company for tourism & services.**

#### **Location :**

**Hurghada – Egypt .**

#### **Project Description :**

**4 Star Hotel.**

**Sports club.**

**Conference hall.**



# ❖ HOTELS & RESORTS PROJECTS:

## Yasmina touristic village



### Owner :

Mr. Adel Abdel Razik .

### Location :

Ras sedr – Egypt.

### Project Description :

Chalets.

Restaurant.

3 Star Hotel.

Swimming pools.



## ❖ HOTELS & RESORTS PROJECTS:

### Asa red sea village



#### **Owner :**

**El-Rahma Company .**

#### **Location :**

**Sharm El-Sheikh – Egypt.**

#### **Project Description :**

**4 Star Hotel.**

**Chalets.**

**Swimming pools.**

**Restaurants.**



## ❖ OFFICE BUILDING PROJECTS:

### Arabian Africa Bank.



#### **Owner :**

**Arabian Africa Bank.**

#### **Location :**

**Cairo- Egypt.**

#### **Project Description :**

**Site Area = 970 m<sup>2</sup>**

**No. of Floors: 11 Floors.**



# ❖ OFFICE BUILDING PROJECTS:

## Cairo Royal Tower.



### Owner :

Mr. Sayed hosny morshed

### Location :

Cairo- Egypt.

### Project Description :

Site Area = 2857m<sup>2</sup>

No. of Floors: 14Floors.



## ❖ OFFICE BUILDING PROJECTS:

### Office Building



#### **Owner :**

**The Republic of Uganda.**

**Ministry of Finance & Economic Planning.**

#### **Location :**

**Kampala – Uganda.**

#### **Project Description :**

**Site Area = 7822 m<sup>2</sup>**

**No. of Floors: 12 Floors.**





## ❖ OFFICE BUILDING PROJECTS:

### El-Khyareen Tower.



#### **Owner :**

**Saied Bin Zayed El- Khyareen.**

#### **Location :**

**Doha – Qatar.**

#### **Project Description :**

**Site Area = 3100 m<sup>2</sup>**

**No. of Floors: 22 Floors.**



## ❖ OFFICE BUILDING PROJECTS:

### Commercial & Residential Building.



#### **Owner :**

**Al-Shekh. Fahad Ben Gasem Al-Thani .**

#### **Location :**

**Doha – Qatar.**

#### **Project Description :**

**Site Area = 5100 m<sup>2</sup>**

**No. of Floors: 14 Floors.**



## ❖ OFFICE BUILDING PROJECTS:

Development contest for a First Class Lounges  
International Cairo airport.



### Owner :

Cairo Airport Authority.

### Location :

Cairo Airport - Cairo - Egypt.

### Project Description :

Lounge 1 = 120 m<sup>2</sup>

Lounge 2 = 100 m<sup>2</sup>

Lounge 3 = 130 m<sup>2</sup>

Entrance lobby = 40 m<sup>2</sup>



## ❖ OFFICE BUILDING PROJECTS:

Development of Central Security Force, Cairo.



**Owner :**

Central Security Force , Internal Security Ministry.

**Location :**

Cairo - Egypt.

**Project Description :**

Consultant for Information center



## ❖ OFFICE BUILDING PROJECTS:

**Development for Ganobe Elwady Holding  
Petroleum co.**



**Owner :**

**Ganobe Elwady Holding Petroleum co.**

**Location :**

**Aswan - Egypt.**

**Project Description :**

**Renovation Consultations for  
Ganobe Elwady Holding  
Petroleum co.**



## ❖ OFFICE BUILDING PROJECTS:

**Development & Renovation of  
Khalda Petroleum co.**



**Owner :**

**Khalda Petroleum co.**

**Location :**

**Cairo- Egypt.**

**Project Description :**

**Renovation and construction  
for a new extension for Khalda  
Petroleum co.**



## ❖ Multi Usage Project:



### **Owner :**

**Elkhaleg co. .**

### **Location :**

**Badr city- Egypt.**

### **Project Description :**

**Mall & Administrative.**

**Site Area = 16000 m2**

**No. of Floors: 3 Floors.**



## ❖ Multi Usage Project:



**Owner :**

**Daltex co. .**

**Location :**

**Elnobarria city- Egypt.**

**Project Description :**

**Mall & Administrative.**

**Site Area = 1500 m<sup>2</sup>**

**No. of Floors: 4 Floors.**





## ❖ OFFICE BUILDING PROJECTS:

**Cairo Cotton Center Company – New Expansions**



**Owner :**

**Cairo Cotton Center Company.**

**Location :**

**Qalyoub – Egypt.**

**Project Description :**

**N . Of floors : 3 floors .**



## ❖ OFFICE BUILDING PROJECTS:

### Exhibition Building



#### **Owner :**

**Mr. Said Ahmed Hawas .**

#### **Location :**

**Jeddah – Saudi Arabia .**

#### **Project Description :**

**No. of Floors: 2 Floors .**



## ❖ MALLS BUILDINGS PROJECTS :

### Marriot Pyramids Mall.



#### **Owner :**

**Al- Shekh. Talaat Saqa.**

#### **Location :**

**Cairo - Egypt.**

#### **Project Description :**

**Site Area = 7000 m<sup>2</sup>**

**No. of Floors: 6 Floors.**



## ❖ MALLS BUILDINGS PROJECTS :

### Valeria Mall.



#### Owner :

Mr. Ahmed Diab.

#### Location :

Hadaek Elahram - Egypt.



#### Project Description :

Site Area = 2000 m<sup>2</sup>

No. of Floors: 5 Floors.



## ❖ MALLS BUILDINGS PROJECTS :

### Koncept Mall.



#### **Owner :**

**Mr. Hasan Wasef.**

#### **Location :**

**Cairo - Egypt.**

#### **Project Description :**

**Site Area = 390 m<sup>2</sup>**

**No. of Floors: 3 Floors.**



## ❖ HOSPITALS BUILDINGS PROJECTS:

### Al Waha Specialist Hospital.



#### **Owner :**

**Mr. Nabel Mohamed & Others**

#### **Location :**

**Elharam - Giza - Egypt.**

#### **Project Description :**

**Gynecology & Pediatric 68 beds.**

**Site Area = 1200m<sup>2</sup>**

**No. of Floors: 6 Floors.**



# ❖ HOSPITALS BUILDINGS PROJECTS:

## Hospital.



**Owner :**  
Misr Eldelta co.  
**Location :**  
Cairo - Egypt.

**Project Description :**  
Initial Design for the Hospital  
Site Area = 50000 m2  
No. of Floors: 6 Floors.



## ❖ SOCIAL & HEALTH CLUBS PROJECTS:

### Hilton Ramses Health Club.



**Owner :**

**Hilton Ramses Hotel.**

**Location :**

**Cairo - Egypt.**

**Project Description :**

**Interior Design for the  
Health Club Renovation.**





# ❖ SOCIAL & HEALTH CLUBS PROJECTS:

## Sheri Nile Health Club.



### **Owner :**

**Mrs. Nabia El-Sourbagy**

### **Location :**

**Alexandria - Egypt.**

### **Project Description :**

**Interior Design for the  
Renovation Project.**



## ❖ RESTURANTS PROJECTS :

### Dream Park Restaurant.



**Owner :**

Dream Park - (Dream Land).

**Location :**

Cairo - Egypt.

**Project Description :**

Interior Design for the  
Renovation Project.



# ❖ THEATERS PROJECTS:

## Dream Park Theater.



**Owner :**

**Dream Park - (Dream Land).**

**Location :**

**Cairo - Egypt.**

**Project Description :**

**Design for the  
Renovation Project.**



## ❖ Multi Usage Project:

### Multi Usage Project.



#### **Owner :**

Eng. Helmy said .

#### **Location :**

Monofia - Egypt.

#### **Project Description :**

Apartments and mall .

Site Area = 710 m<sup>2</sup>

No. of Floors: 6 Floors.



## ❖ MULTI USAGE PROJECTS :

### Multi Usage Project.



#### Owner :

Kingdom co. for touristic investment.

#### Location :

Giza – Egypt.

#### Project Description :

Apartments + Mall + Off.

Site Area = 7055m<sup>2</sup>

No. of Floors: 12 Floors.



# ❖ MULTI USAGE PROJECTS :

## Multi Usage Project.



### Owner :

Misr Eldelta co.

Eng. Helmy Elbazar.

### Location :

Cairo - Egypt.

### Project Description :

Initial Design for

the Project.

<p><b>PROPOSAL (1)</b> - مستشفى تبارك للأطفال و مركز طبي (عيادات) على مساحة 13000 متر مربع - مركز تجارى على مساحة 50000 متر مربع</p>   	 <p><b>PROPOSAL (2)</b> - أكاديمية ( هندسة - تكنولوجيا - ادارة اعمال - اعلام - حاسب الى ) - مركز تجارى ملحق بالفندق على مساحة 20000 متر مربع</p>  	<p><b>PROPOSAL (3)</b> - مستشفى تبارك للاطفال و مركز طبي (عيادات) على مساحة 15000 متر مربع - فندق و منتجج سياحي 5 نجوم على مساحة 28000 متر مربع - مركز تجارى ملحق بالفندق على مساحة 20000 متر مربع</p>   
<p><b>GENERAL CONSULTANT</b> الاستشاري العام دار التجهيزات و الإمتنارات المنزلية DESIGNS &amp; ENGINEERING CONSULTANTS HOUSE (D.E.C) DR. ENG. حاتم مهندس WAEEL BAHLOL (D.E.C) وائل بملول 41 King Farouk St. - Giza Tel &amp; Fax : 0020 33880000 - 0020 33880000</p>	<p><b>PROJECT NAME</b> اسم المشروع مشروع متعدد الاستخدامات</p>	<p><b>OWNER</b> المالك شركة مصر الدلتا المهندس / حلمي سعيد البزار</p>

## ❖ MULTI USAGE PROJECTS :

### Commercial & Residential Tower



#### **Owner :**

**Mr. Ahmed Said Elbasim.**

#### **Location :**

**Jeddah – Saudi Arabia.**

#### **Project Description :**

**N . Of floors : 9 floors.**

**Area : 500 m2**



## ❖ RESIDENTIAL PROJECTS:

### Sun Gate Compound.



#### Owner :

Mr. Ashraf El-Shety.

#### Location :

Cairo - Egypt.

#### Project Description :

Site Area = 2150000 m<sup>2</sup>

No. of Floors: Several.





# ❖ RESIDENTIAL PROJECTS:

## Sun Gate Compound.



## ❖ RESIDENTIAL PROJECTS:

### Private Villa.



#### **Owner :**

**Mr. Hisham Kandil.**

#### **Location :**

**Hurghada - Egypt.**

#### **Project Description :**

**Site Area = 1100 m<sup>2</sup>**

**No. of Floors: 2 Floors.**



## ❖ RESIDENTIAL PROJECTS:

### Private Villa.



#### Owner :

Mr. Ibrahim Mahmoud.

#### Location :

Cairo - Egypt.

#### Project Description :

Site Area = 884m<sup>2</sup>

No. of Floors: 2 Floors.



# ❖ RESIDENTIAL PROJECTS:

## Residential Building.



### **Owner :**

**Dr. Salah Bahlol.**

### **Location :**

**Giza- Egypt.**

### **Project Description :**

**Site Area = 840 m<sup>2</sup>**

**No. of Floors: 6 Floors.**



## ❖ RESIDENTIAL PROJECTS:

### Private Villa.



#### **Owner :**

**Mr. Adel Abd Elgawad.**

#### **Location :**

**Cairo - Egypt.**

#### **Project Description :**

**Site Area = 780 m<sup>2</sup>**

**No. of Floors: 3 Floors.**



## ❖ RESIDENTIAL PROJECTS:

### Private Villa.



#### **Owner :**

**Mr. Hisham Kandil .**

#### **Location :**

**Hurghada - Egypt.**

#### **Project Description :**

**Site Area = 920 m<sup>2</sup>**

**No. of Floors: 2 Floors.**



## ❖ RESIDENTIAL PROJECTS:

### Residential Building.



#### **Owner :**

**Mr. Hamdy Ahmed.**

#### **Location :**

**Cairo - Egypt.**

#### **Project Description :**

**Site Area = 450 m<sup>2</sup>**

**No. of Floors: 6 Floors.**



## ❖ RESIDENTIAL PROJECTS:

### Private Villa.



#### **Owner :**

**Mr. Baher Zaghlol.**

#### **Location :**

**Sahl Hashish - Hurghada- Egypt.**

#### **Project Description :**

**Site Area = 1000 m<sup>2</sup>**

**No. of Floors: 2 Floors.**





## ❖ RESIDENTIAL PROJECTS:

### Private Villa.



#### **Owner :**

**Mr. Islam Magdy.**

#### **Location :**

**Marsa Matrouh - Egypt.**

#### **Project Description :**

**Site Area = 435 m<sup>2</sup>**

**No. of Floors: 2 Floors.**



## ❖ RESIDENTIAL PROJECTS:

### Private Villa.



#### Owner :

Mr. Sayed Kandil.

#### Location :

Sahl Hashish - Hurghada- Egypt.

#### Project Description :

Site Area = 1000 m<sup>2</sup>

No. of Floors: 2 Floors.



## ❖ RESIDENTIAL PROJECTS:

### Private Villa.



#### Owner :

Mr. Hany Edward.

#### Location :

Sahl Hashish - Hurghada- Egypt.

#### Project Description :

Site Area = 1000 m<sup>2</sup>

No. of Floors: 2 Floors.



## ❖ RESIDENTIAL PROJECTS:

### Residential Building.



#### **Owner :**

**Mr. Mohamed Salah.**

#### **Location :**

**Cairo - Egypt.**

#### **Project Description :**

**Site Area = 830 m<sup>2</sup>**

**No. of Floors: 6 Floors.**



## ❖ RESIDENTIAL PROJECTS:

### Private Villa.



#### **Owner :**

**Mr. Alaa El-din Hilal.**

#### **Location :**

**Cairo - Egypt.**

#### **Project Description :**

**Site Area = 847 m<sup>2</sup>**

**No. of Floors: 2 Floors.**



## ❖ RESIDENTIAL PROJECTS:

### Residential Building.



#### **Owner :**

**Dr. Anas Othman.**

#### **Location :**

**Cairo - Egypt.**

#### **Project Description :**

**Site Area = 623 m<sup>2</sup>**

**No. of Floors: 6 Floors.**



## ❖ RESIDENTIAL PROJECTS:

### Private Villa.



#### **Owner :**

**Mr. Gouda Mohamed.**

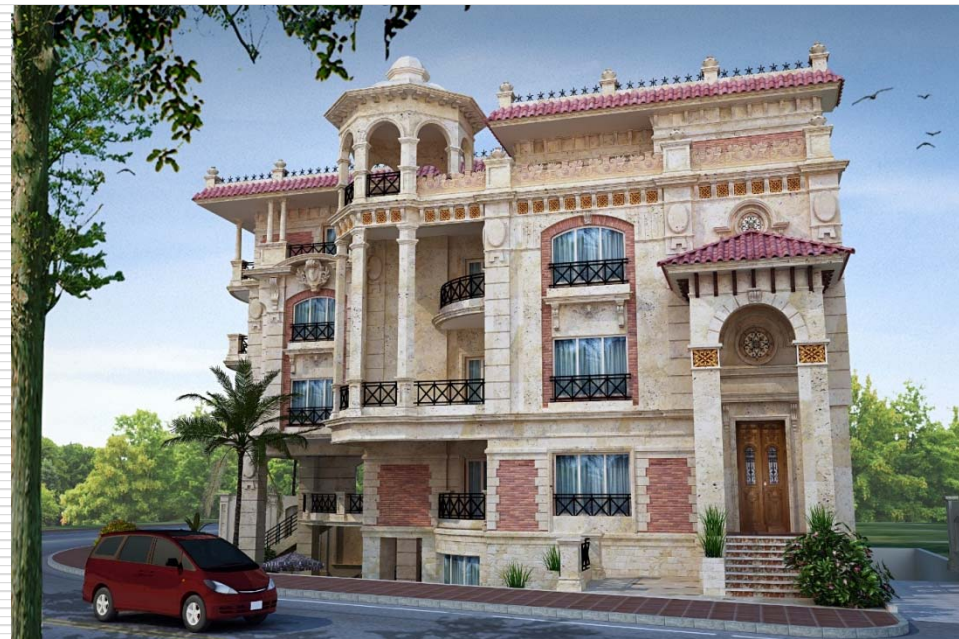
#### **Location :**

**Cairo - Egypt.**

#### **Project Description :**

**Site Area = 850 m<sup>2</sup>**

**No. of Floors: 2 Floors.**



## ❖ RESIDENTIAL PROJECTS:

### Residential Building.



#### **Owner :**

**Mr. Magdy Kamal.**

#### **Location :**

**Cairo - Egypt.**

#### **Project Description :**

**Site Area = 815 m<sup>2</sup>**

**No. of Floors: 6 Floors.**





## ❖ RESIDENTIAL PROJECTS:

### Residential Tower



#### Owner :

Dr. Mounir Riad.

#### Location :

Pyramids Gardens City – Egypt.

#### Project Description :

N . Of floors : 5 floor.



## ❖ RESIDENTIAL PROJECTS:

### Rehana El-maadi Tower



#### **Owner :**

**Modern Company .**

#### **Location :**

**El-maddi – Cairo – Egypt .**

#### **Project Description :**

**No. of Floors: 12 Floors.**



## ❖ RESIDENTIAL PROJECTS:

### El Patio Vera compound

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**Owner :**

**La Vista co.**

**Location :**

**Elsheikh Zayed – Giza – Egypt .**

**Project Description :**

**Residential Compound**



## ❖ RESIDENTIAL PROJECTS:

### Moon Hills 1,2,3,4



#### **Owner :**

**Sakan Group co.**

#### **Location :**

**6 October – Giza – Egypt .**

#### **Project Description :**

**Residential Compounds**



## ❖ RESIDENTIAL PROJECTS:

### Park Valley projects



#### **Owner :**

**Efid Developments.**

#### **Location :**

**6 October – Giza – Egypt .**

#### **Project Description :**

**Residential Compounds**



## ❖ RESIDENTIAL PROJECTS:

### River Park 1, 2



#### **Owner :**

**West Way Developments.**

#### **Location :**

**6 October – Giza – Egypt .**

#### **Project Description :**

**Residential Compounds**



## ❖ RESIDENTIAL PROJECTS:

### Rose Ville



#### **Owner :**

**Hayat Developments.**

#### **Location :**

**6 October – Giza – Egypt .**

#### **Project Description :**

**Residential Compounds**



## ❖ RESIDENTIAL PROJECTS:

### Several Compounds



**Owner :**

**PTC co.**

**Location :**

**6 October – Giza – Egypt .**

**Project Description :**

**Residential Compounds**





## ❖ RESIDENTIAL PROJECTS:

### Several Compounds



**Owner :**

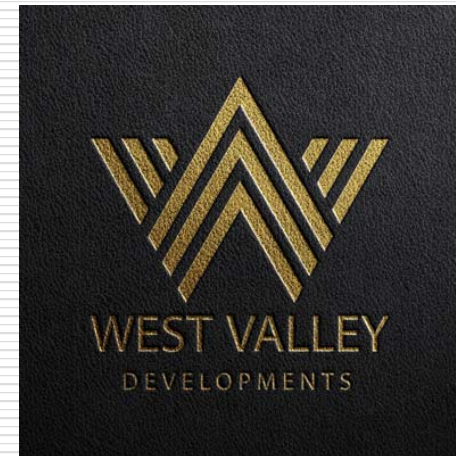
**PTC co.**

**Location :**

**6 October – Giza – Egypt .**

**Project Description :**

**Residential Compounds**



## Dr. Wael Bahlol CV

---



**Head of Architectural Department, MUST University, 6 October city, Giza.**

**PH.D. degree in Architectural Dept. (Building Technology).**

Architecture Department, Cairo University, 2007.

**The thesis title:**

Post Occupancy Evaluation of Hotel Finishing  
(A Method to Improve Efficiency of Hotel  
Maintenance)

---

## ATTENDED CONFERENCES & PUBLISHES

---

- 6<sup>th</sup> International Engineering Conference – Faculty of Engineering – Mansoura University. (20-23 March, 2008 - Mansoura – Sharm El-Sheikh – Egypt).
  - 3<sup>rd</sup> Ain Shams University Conference on Environmental Engineering. (14-16 April, 2009 - Cairo – Egypt).
  - 8<sup>th</sup> International Operation and Maintenance Conference in the Arab Countries (OMAINTEC). (6-9 July, 2009 – Beirut – Lebanon).
  - 7<sup>th</sup> International Engineering Conference – Faculty of Engineering – Mansoura University. (20-23 March, 2010 - Mansoura – Sharm El-Sheikh – Egypt).
  - 1<sup>st</sup> International Symposium of Chinese-Egyptian Research Center, Helwan University. (5-7 April, 2010 Cairo, Egypt).
-

## ATTENDED CONFERENCES & PUBLISHS

---

- 9<sup>th</sup> International Operation and Maintenance Conference in the Arab Countries (OMAINTEC). (7-10 June, 2010 – Beirut – Lebanon).
  - 2<sup>nd</sup> International Conference on Sustainable Architecture and Urban Development. The Center for the Study of Architecture in the Arab Region (CSAAR). (12-14 July, 2010 – Amman – Jordan).
  - 1<sup>st</sup> International Conference of Architecture, MUST University, (15-16 December, 2010 - Cairo, Egypt).
  - 10<sup>th</sup> International Operation and Maintenance Conference in the Arab Countries (OMAINTEC). (7-10 May, 2012 – Beirut – Lebanon).
  - 1<sup>st</sup> International Conference of Hosting Major International Events Innovation, Creativity and Impact Assessment, Housing & Building National Research Center with High Institute for Engineering and Technology, (22-25 December, 2012 - Cairo, Egypt).
-

## ATTENDED CONFERENCES & PUBLISHS

---

- 5th International Conference on NANO-technology in construction, (NTC 2013), (23-25 March, 2013, Cairo-Egypt).
  - The impact of digital revolution on the field of architectural function and form, Urban Planning Scientific Magazine, Cairo University, (September 2013, Cairo-Egypt).
  - 6th International Conference on NANO-technology in construction, (NTC 2014), (22-24 March, 2014, Cairo-Egypt).
  - 8th International Conference on NANO-technology in construction, (NTC 2016), (12-16 March, 2016, Sharm Elsheikh-Egypt).
-

## ATTENDED WORKSHOPS

---

- Value engineering of maintenance operations & the trend towards privatization. (July 2009)
  - Putting maintenance KPI's in focus. (June 2010)
  - Underwater concreting and repair of marine structures. (June 2010)
  - Hospitals renovation and refurbishment management. (May 2012)
  - Assessment and repair of building and bridge structures. (May 2012)
  - International architecture students competition. (Feb. 2012)
  - Architect and users heritage prevision workshop. (Feb. 2012)
-

## ATTENDED WORKSHOPS

---

- First student forum the architecture department. (Dec. 2010)
  - External auditors of higher education institutions (April 2009)
  - Strategic Planning (June 2013)
  - Exam systems and student assessment (Sep. 2013)
  - Credit hours system (Sep. 2013)
  - Description of programs and courses and evaluation of learning outcomes for colleges (Sep. 2019)
-

## MEMBER OF


---

- Egypt Syndicate of Engineers.
  - Society of Egyptian Architects (SEA).
  - Union International of Architects (UIA).
  - Africa Union of Architects (AUA).
  - Union of Mediterranean Architects (UMAR).
  - Consultant Member of Egypt Syndicate of Engineers.
  - Arabic Institute for Operation and Maintenance (OMAINTEC).
  - International Organization for Development & Human Rights.
-



# CERTIFICATES

CAIRO UNIVERSITY  
FACULTY OF ENGINEERING  
DEPARTMENT OF GRADUATE STUDIES  
07416



**TO WHOM IT MAY CONCERN**

This is to certify that engineer : Wael Salah El-Din Bahlol Khabli  
Born on: 22 / 7 / 1976 At: Hungory Nationality: Egyptian  
Was awarded on: 30 / 12 / 2007 : the degree of

**DOCTOR OF PHILOSOPHY**  
In  
**Architectural Engineering**

**Thesis Title:** Post Occupancy Evaluation of Hotel Finishing  
( A Method to Improve Efficiency of Hotel Maintenance)

This certificate has been issued upon candidate's request

REGISTRAR  
A. Khabli  
DEAN  
A. Khabli

21/2/2008

**شهادة المهندس المعماري**

بعد الإطلاع على قرار السيد المهندس / وزير الري رقم ١٢٦٨٤ لسنة ١٩٧٢ في شأن إنشاء سجل المهندسين الاستشاريين وعلى اعتماد اللجنة العليا للمهندسة الاستشارية بجلسته ٢٠١٦/٠٥/٢٣ والمجلس الأعلى بتاريخ ٢٠١٦/٠٥/٢٥ للأعمال التي قام بها المهندس صاحب هذه الشهادة وفقاً لما جاء بالمادتين ٣، ٢ من القرار الوزاري المشار إليه وما تضمنه من بنود، فقد أعطيت هذه الشهادة إلى :-

السيد المهندس الدكتور / وائل صلاح الدين بهلول عضو النقابة رقم: ١٤/٤١٠٠ شعبة المهندسة المعمارية باعتباره مهندساً استشارياً تحت رقم ٠٢/٤٠٢٣ في مجال :- { مباني عامة "المباني السياحية" }

وكيل النقابة  
أ. عثمان  
ر/ أحمد عثمان أحمد عثمان

هذه الشهادة سارية لمدة عام  
التقديرة في ٢٠٢١/١١/٢٤

# CERTIFICATES





**Faculty and Leadership Development Center Certifies that:**  
**Dr. Wael Salah Eldin Bahlol Khalil**  
 Degree: Lecturer Dept.: Architecture  
 Faculty: Engineering Univ.: Misr for Science & Technology  
**Has Attended and Met The Standards Required for Completion of a Training Course in:**  
**The Credit Hour Systems**  
 Held from: 2/9/2013 to: 3/9/2013

**شهادة**  
**Certificate**

**شاهد مركز تنمية قدرات أعضاء هيئة التدريس والقيادات جامعة القاهرة أن:**  
**د. وائل صلاح الدين بهلول خليل**  
 الدرجة العلمية: مدرس القسم العلمي: العمارة  
 الكلية: الهندسة الجامعة: مصر للعلوم والتكنولوجيا  
 قد حضر واجتاز المعايير المطلوبة للإلتحاق من الدورة التدريبية غير:  
**نظم الساعات المعتمدة (مسانی)**  
 التي عقدت في الفترة من: ٢٠١٣/٩/٢ إلى: ٢٠١٣/٩/٣


وفزه شهاوة منا بيزك ..  
 نائب رئيس الجامعة  
 لشئون الدراسات العليا والبحوث

الدكتور/ وائل صلاح الدين بهلول خليل  
 Head of Leadership Center (FLDC)

## SESSION2B

### Post Occupancy Evaluation of Hotel Finishing (A Method to Improve Efficiency Of Hotel Maintenance)

Abstract



**Dr. Wael Salah El-Din Bahlol**

Company/Org.:  
 Faculty of Engineering  
 Architecture Department,  
 Misr University for Science & Technology- Cairo- Egypt

The Certificates:  
 Bachelor degree in Architectural Engineering  
 High Institute for Architectural Engineering, 1998.  
 Master:  
 Master degree in Architectural Dept. (Building Technology), Architecture Department, Cairo University, 2003.  
 Doctorate:  
 Ph.D. degree in Architectural Dept. (Building Technology), Architecture Department, Cairo University, 2007.

Experiences:  
 Assistant Lecturer in Architectural Department, Faculty of Engineering, Misr University for Science & Technology (MUST), Cairo - Egypt. Since 1999 till 2007.  
 Lecturer in Architectural Department, Faculty of Engineering, Misr University for Science & Technology (MUST), Cairo - Egypt. Since 2007 till now.

Member of:  
 Engineers Syndicate,  
 Egyptian Society of Engineers,  
 Urban Society.

Researches & Publications:  
 6th International Engineering Conference, Faculty of Engineering, Mansoura University, Mansoura - Saam El Sheikh, 2013; March 2008

Tourism is a main source of income in Egypt; it helps to develop national economy. Long history, treasures, beautiful scenes, charming Nile, warm sun, and fine weather help to attract tourists from all over the world all the year round and this makes Egypt an attractive and distinguished country. Hotel buildings passed through a clear development that leads to more clear prosperity and development. They are tourist buildings that must be keen to serve the tourist or the resident properly. A resident must feel a high level of prosperity, beauty and safety. All tourist buildings have a great real estate value even varied in their architectural value in addition to their being main tools of housing for tourism. So, tourist buildings need periodical maintenance in order to go on with tourist development and get the best investment revenues. Maintenance and renewal operations depend on all conditions of the building, its site and aim of its use. This leads to different needs of maintenance and renewal beginning from periodical maintenance, ending in subversion, and rebuilding. To achieve such high performance of hotels - some of them were built a long time ago - it was necessary to plan for maintenance operations according to evaluation of hotel performance after operation. Aims of building the hotel, the ability of the hotel to compete in the market of tourism and satisfaction of clients must be checked. Through this, a hotel can do its job and gain the targeted revenues. This study aims to explore a new scientific method that develops maintenance operations for hotel buildings through evaluation of performance of maintenance work after operation. Remarks of administration, maintenance team in the hotel is of a great value, this helps to decide the different needed maintenance operations and helps to get the best revenue of investment within special conditions of each hotel.

**Scientific Method of Research:**  
 The scientific method of this study depends on dividing it into two parts: theoretical study and field study.

**First - Theoretical study:**  
 The Theoretical study aims to:

- \* Know the concept and importance of maintenance, its types, aims and costs.
- \* Know how to evaluate performance after operation, its definition, importance, origin, development, aims, benefits and uses.
- \* Know all main sides of maintenance operations in hotels.

**Second - Field Study:**  
 The study applies all rules and standards of theoretical study on some hotels in Cairo to measure the competency of the suggested method to develop maintenance in hotels, decide the relevant importance of all elements of the suggested method, decide the availability of elements of the suggested method in the three studied hotels. This is in order to decide the level of success of the method in developing maintenance and reducing its costs and procedures. Then, a comparison was held between the three hotels to know success or failure of each in carrying out plans of maintenance. These help workers in maintenance in the three hotels and helps in developing maintenance in hotel and reduce its costs. This is the main aim of the research.

The field study used three methods: questionnaire view, and personal relations. Needed data were collected and classified to be used in the study.

# CERTIFICATES



**TO WHOM IT MAY CONCERN**

This is to certify that the paper entitled:  
"التشغيل والصيانة في إطار التنمية المستدامة"  
Submitted by: د. وائل صلاح الدين بهلول خليل  
has been Refereed, Accepted, Published and Presented in  
The 1<sup>st</sup> International Engineering Conference "Hosting Major International Events:  
Innovation, Creativity & Impact Assessment",  
Cairo, Egypt, 15-18 January, 2013.

**Conference Chairperson**  
Dr. Sawsan El Toukhy Prof. Khalid El-Zahaby  
*[Signatures]*

**Conference Coordinators**  
Dr. Olfat Kesheik Prof. Azza Siny  
*[Signatures]*





**7<sup>th</sup> International Engineering Conference**  
Mansoura – Sharm Elsheikh 23 – 28 March, 2010

## Certificate

**It is to certify that;**  
Eng / وائل صلاح بهلول /  
Attended the scientific sessions and workshops of the 7<sup>th</sup> International Engineering Conference that  
held during 23 – 28 March, 2010.

**The paper entitled :**  
المنازل الذكية – نحو تحقيق إحتياجات المستعملين وتخفيض الطاقة المستهلكة

**Has been presented during the scientific sessions of the conference.**

**Secretary of the Conference**  
Dr. F. Zeidan  
Prof. Zaki M. Zeidan  
Vice dean for higher education and researches

**President of the Conference**  
Adel A. Dif  
Prof. Adel A. Dif  
Dean of the faculty



# CERTIFICATES

ملف العدد- مفصلة

## Smart Glass تقنية جديدة لتوفير الطاقة

د. وائل صلاح الدين بهلول، مصر فرضت قوانين ملزمة بالتشغيل والصيانة

كيف نقيم قطاع التشغيل والصيانة في مصر؟

يتنامى القطاع في البلد، أما عن الصيانة والتشغيل فقد أصبحا من العناصر الأساسية في الكود الهندسي المصري. لقد أشاد مركز البحث والإسكان قوائم جديدة حاكمية ومنظمة لعملية المنشآت لحفاظ على الثروة العقارية وباتت عماد أي دولة. فقيمة الصيانة والعناية للمباني عن الشعب تدرك الثروة العقارية بالتآكل وتهدد لأنها تتسبب في انهيار المباني وهنا تقع الكوارث، فالتقارير الملمة تجري السكان على الصيانة والأشياء بحفظهم إجراءات بسبب الإخلال بالنظام العام والتسبب بالضرر العام الغير ولفسده. كونه مدرساً في جامعة القاهرة للعلوم والتكنولوجيا، هل تجد توازناً بين البرامج الأكاديمية والتدريب العملي؟ هذه مشكلة كبيرة على أهميتها، فالأساتذة الأكاديميون ليسوا مهنيين، فلفرض أساتذة بالهندسة المعمارية يدرس بشكل أكاديمي صرف، قد لا يكون معارفاً لمهنة العمارة كلها هذا سبب نقص في توفير المعلومات للطلبة لأن ما هو موجود مهين فقط على نظريات الكتب، وأنا أؤمن من نقل خبراتي لطلبي كوني أملك مكتبة استشارياً فمهندساً وأتخصص دوماً وخاصة المهندسين منهم بأنهم يمكن أن يكونوا من أروع الأساتذة في الجامعة لكنهم لا يحفظوا الحرفية والمهنية إلا من خلال ممارسة المهنة.

توصية أخيرة

أوجه للمعلمين في مجال صيانة المنشآت بالتوسع في مشاركة المؤتمرات المتخصصة في الصيانة فقد نجد مهندسين يعملون في الفنادق لكنهم لم يروا أن الموضوع البشري واليداني على هذا الدر من الأهمية، فالوعي مطلوب وهذا يؤثر في المشاركة.

حضرنا مؤتمراً في القاهرة مركز البحث الصينية المصرية والذي أنشئ حديثاً وخرجنا بتوصيات مهمة وبدأنا نستفيد من هذه الخبرات. كما عرض على الإلتزام التي مجموعة من المنظمات الصينية في مجال البحث.

ملا فني بالاسمعات فلاح، ؟

تقنية جديدة في تصنيع زجاج يتغير لونه بحسب الضوء والكهرباء، فتتحول شفافية الشمس فتوفر بذلك الطاقة وبالتالي نقل إلى درجة اعنام معينة، وهو يستخدم أشعة الشمس فتوفر بذلك الطاقة وبالتالي نقل أعمال التكليف على المبني، بدأنا نستورد هذه التكنولوجيا والخبراء من أميركا ليزبوننا على حفظ الطاقة ونستأمن مع الصينيين في عمليات الإنتاج بكلفة أقل.

حداثة عن مشاركتك في المنقى التاسع للتشغيل والصيانة؟

شاركت في المنقى بحكم تخصصي كأستاذي معماري في صيانة المنشآت الفندقية، وتنازلت في ورقة العمل خطط الصيانة والإجراءات التنظيمية والتشغيلية لعملية الصيانة في الفنادق فقط. استغرب عدم الإهتمام بصيانة الفنادق علماً بأن الخليج يشهد ثورة في القطاع السياحي والصيانة فيه مسألة ضرورية وأساسية. ما لنا من أهمية المؤتمر وتطبيق التجارب العلمية والعملية في الدول العربية؟ المؤتمر غني بالأبحاث الجديدة وحظنا بحضور شركات معروفة في المعرض والمؤتمر ومنها التجارب الصينية التي ستكون القوة العظمى في كل المجالات قريباً. كنت قد

26 مشاريع الخليج

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Faculty and Leadership Development Center Certifies that:  
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Faculty: Engineering Univ.: Misr for Science & Technology

Has Attended and Met The Standards Required for Completion of a Training Course in:  
**Strategic planning**  
Held from: 11/6/2013 to: 13/6/2013

يشهد مركز تنمية قدرات أعضاء هيئة التدريس والقيادات -جامعة القاهرة أن:  
**د. وائل صلاح الدين بهلول خليل**  
الدرجة العلمية: مدرس القسم العلمي: العمارة  
الكلية: الهندسة الجامعة: مصر للعلوم والتكنولوجيا

قد حضر واجتاز المعايير المطلوبة للإلتحاق من الدورة التدريبية في:  
**التخطيط الاستراتيجي (مساتي)**  
التي عقدت في الفترة من: ٢٠١٣/٦/١١ إلى: ٢٠١٣/٦/١٣

وهذه شهادة منا بيزك ..

نائب رئيس الجامعة  
لشؤون الدراسات العليا والبحث

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المراجعون الخارجيون لمؤسسات التعليم العالي

وذلك في الفترة: من 05 أبريل، 2009 إلى 09 أبريل، 2009

رئيس مجلس إدارة الهيئة

أ. د مجدى عبد الوهاب قاسم

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2009

  
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**د. وائل صلاح الدين بهلول خليل**

Degree: Lecturer Dept.: Architecture  
Faculty: Engineering Univ.: Misr for Science & Technology  
Has Attended and Met The Standards Required for  
Completion of a Training Course in:

**Exams and Students Evaluation Systems**  
Held from: 31/8/2013 to: 1/9/2013

الدرجة العلمية: مدرس  
القسم العلمي: العمارة  
الجامعة: مصر للعلوم والتكنولوجيا  
قد حضر واجتاز المعايير المطلوبة للانتهاء من الدورة التدريبية في:

**نظم الامتحانات وتقييم الطلاب (مسماني)**  
التي عقدت في الفترة من: 2013/8/31 إلى: 2013/9/1

وقدرة شهادة منا بئلك ..

نائب رئيس الجامعة  
لشؤون الدراسات العليا والبحوث

المجلس الأعلى للتعليم

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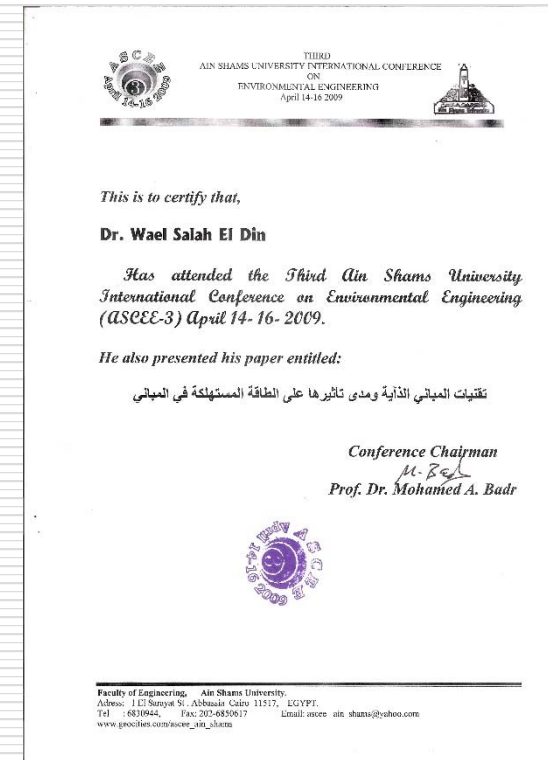
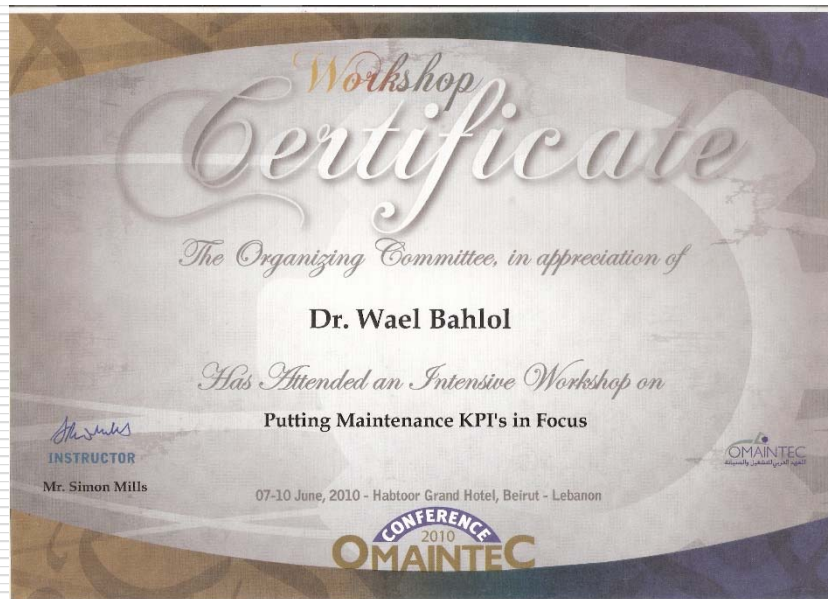


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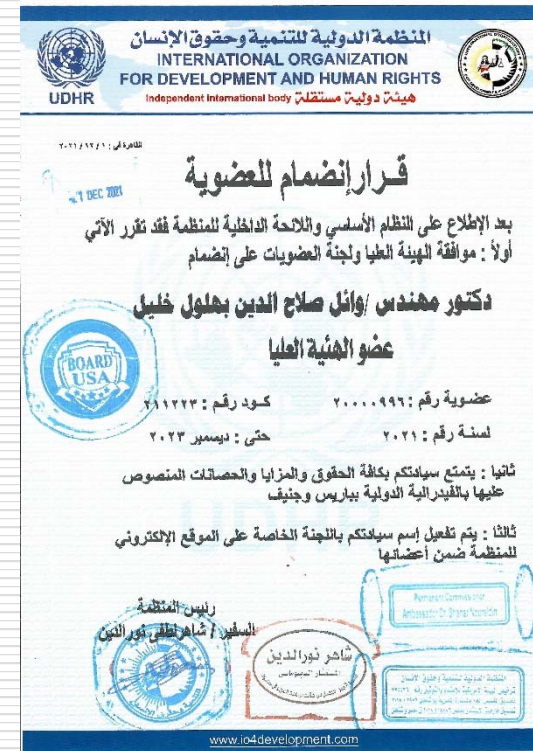


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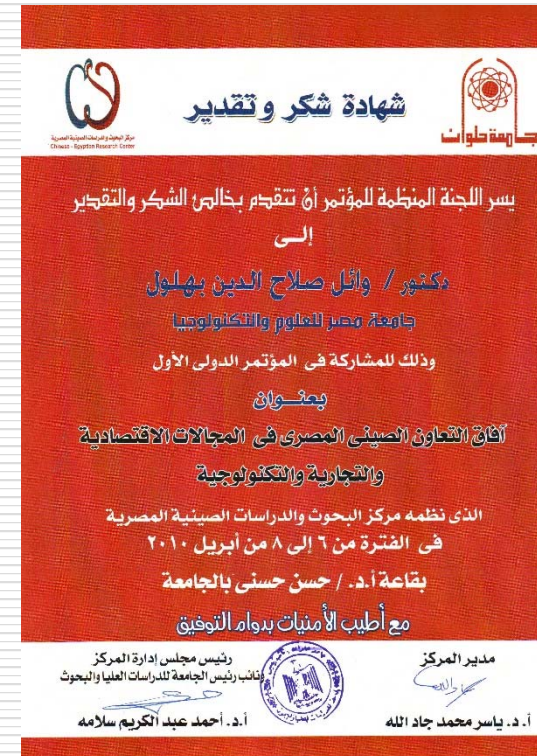
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قسم الهندسة المعمارية - كلية الهندسة - جامعة مصر للعلوم والتكنولوجيا ٦ أكتوبر

"المنازل الذكية - نحو تحقيق إحتياجات المستعملين وتخفيض  
الطاقة المستهلكة"

تحية طيبة... وبعد !!!

نتشرف بالإحاطة بأنه قد تم قبول البحث المقدم من سيادتكم رقم (٥٧)  
لنشره بالمؤتمر الهندسي الدولي السابع المقرر عقده بمدينة المنصورة  
وشرم الشيخ خلال الفترة من ٢٣-٢٨/٣/٢٠١١ .

برجاء التفشل للعلم والإحاطة مع موافقتنا بالاتي بعد للأهمية القصوى .

١- إرسال نسخة إلكترونية من البحث CD .

٢- إرسال قيمة الإشتراك الخاص بسيادتكم حسب المواعيد المحددة بإعلان  
المؤتمر .

٣- صورة جواز السفر أو البطاقة القومية .

وتفضلوا بقبول وافر التحية والاحترام ....

سكرتير عام المؤتمر

أ.د/ مصطفى محمد صالح



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THANK YOU...

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