



# MISR CONSULT

**For Environmental & Infra Structure Studies**

**Prof. Dr. Sameh Abdel Gawad**

***KEY CONSULTANT C.V.S***

Table (1) :Qualification and key persons

<b>Name</b>	<b>Position in project</b>	<b>Qualification</b>	<b>Years of experience</b>
1. Dr. Sameh Abdel-Gawad	P.M. and Environmental Eng Consultant	Ph. D. in Environmental Engineering, Canada, 1983	30
2. Dr. Mahmoud Abdel-Shafy	Treatment And desalination Process Works Consultant	Ph.D. in Sanitary Eng., Ghezak republic, 1999	18
3. Dr Tarek Sabry	Sanitary and Water, Sewer System Works Expert	Ph.D. in Sanitary Eng., Netherlands 1999	14
4. Dr. Mohamed Hanafy	Environmental Studies Expert	Ph. D. in Chemical. Eng., Cairo Univ, 2000	14
5. Dr. Fathy EL Gamal	Structural Engineering Works Consultant	Ph. D. in. Civil Eng. USA 1997	21
6. Eng Adel Abdelatif	Pump Stations and Forcemain Works Consultant	B.Sc. in Civil Engineering	18
7. Eng. Ali Morsi	Mechanical Engineering Works Consultant	B.Sc in Mechanical Engineering	21
8. Mohamed Fuoad	Electrical Engineering Works Expert	B.Sc. in Electrical Engineering	13
12. Supporting Engineering Staff	Civil, Mechanical and Electrical Works Engineers	M.Sc. & B.Sc. in Civil, Mech. and Elec. and Engineering	5-10
13. Supporting staff	Secretary, Driver, etc.	B.Sc. in Commerce ,Diploma , High school	5

**PERSONAL DATA**

Date of Birth : December 1, 1951  
Marital Status : Married with two daughters  
Nationality : Egyptian

**EDUCATION**

1983 : Ph.D. in Hydraulics and Environmental Engineering  
University of Windsor, Ontario, Canada  
  
1979 : M.Eng., Memorial Univ. of Newfoundland, St. John's, Canada  
1974 : B.Sc. with honors in Civil Engineering, Cairo University,  
Egypt.

**ACADEMIC POST**

1995 : Professor of Hydraulics and Environmental Eng,  
Cairo University  
1990 : Associate Prof., Faculty of Eng, Cairo University  
1985 : Assistant Prof., Faculty of Eng, Cairo University  
1983 : Lecturer, Environmental and Civil Eng. Dept, University of  
Windsor, Ontario, Canada.

**PROFESSIONAL MEMBERSHIP:**

1. Member of the Egyptian Society of Engineers, Egypt
2. Associate member of the Canadian Society of Civil Engineers, Canada.
3. Member of the Egyptian Water And Wastewater Treatment Association.

**LANGUAGES**

Mother tongue : Arabic  
Second language : English (Fluently written and spoken)

**KEY QUALIFICATIONS:**

Dr. Abdel Gawad has over 29 years of technical and managerial comprehensive experience. He has worked several projects in both Canada and Egypt in the fields of water drainage, wastewater and industrial waste pollution control studies. He is a certified consultant engineer for all major Egyptian Organizations for water and wastewater projects. He is also a consultant engineer for EEAA, involved in Environmental Auditing Programs and Environmental Impact Assessment Projects. Dr. Abdel Gawad established his consultant engineering firm since 1986 and is chairman of the board, and has worked hard over the past years to maintain the reputation he deserves.

**SUMMARY OF EXPERIENCE*****1- Engineering***

Design of several public work projects for governmental and private sector enterprises as follows:

- Design of sewerage networks, and rising mains for 10 towns and villages in Gharbeya Governorate (72 Contract), Egypt.
- Design of sewage treatment plant (oxidation ponds), sewerage networks, pumping stations, and rising mains for 4 cities in Sohag Governorate (19 Contract).
- Design of sewage treatment plant (oxidation ditches and oxidation ponds), sewerage networks, pumping stations, and rising mains for 3 villages in Demyetta Governorate.
- Conceptual design for secondary treatment process for two wastewater treatment plants in Alexandria ( environmental studies for El- Max PS )
- Design of wastewater treatment plant (oxidation ditch) in Sharm El- Sheikh, for Alexandria Construction Company.
- Design of three wastewater treatment plants, sewerage networks, pumping stations and rising main for the project of developing Dahab Sector in Sinai.
- Design and sizing of several compact units for wastewater treatment and desalination plants of several touristic villages. (Sinai, Red Sea and North Coast).
- Design and preparing workshop drawings for El-Shiek Zayed Water Treatment Plant at 6<sup>th</sup> October City.
- Studying and preparing master plan for water, wastewater systems of Dakhalia and Domitta Gevernerates.
- Preparing tender drawings for water plants of three cities of Morraca (Job is for the Arab Contractors).
- Design and preparing workshop drawings El-Balina water treatment plant. (Job is for the Arab Contractors).
- Supervising the erection of civil works in several projects
- EIA for several touristic villages projects in Egypt
- Infra-structure designs for several touristic enterprises
- Plumbing work designs and erection for household, touristic villages, and hospitals
- Sanitation condition improvements in highly populated districts in Cairo at Dar-El Salam
- Sanitary landfill engineering preparation of tender document (10<sup>th</sup> of Ramadan, Sharm El-Shiekh and El-Katamia).

***2- Environmental Consultations***

- Industrial waste treatment for material and water recovery for several factories wastewater management for private and public sector industrial plants.
- Environmental studies for the River Nile, ground water and other resources protection.

- Egyptian wetland technology for ecological condition improvement at Lake Manzala

***Some Major Environmental Consultancy for Industrial Waste Treatment are :***

- Environmental Audit and EIA studied for 10 major factories located at Sadaat Industrial City, Egypt (Food – Engineering – Wood) 1998.
- End of the pipe treatment for Tanta Oil & company for both Tanta and Banha factories, Egypt – through KfW (1997-1998).
- Feasibility study for a combined Industrial Treatment facility for three major textile factories at Kafr El-Dawaor , Egypt (1997-1998), EEAA.
- Middle East Paper Company - SIMO ( Bahteem - Kalyubia ) - 1997
- Environmental Studies for El-Tabia Pumping Station (El-Tabia – Alexandria) 1996
- EL-Nasr Company for Automotive Industry ( Helwan - Cairo – 1995
- Helwan Company for Diesel Motors ( Helwan - Cairo ) - 1995
- Helwan Company for Engineering Industry ( Helwan - Cairo ) - 1995
- Helwan Company for Diesel Motors (Shoubra El Kheima Branch-Cairo)-1995
- Société Generale d' Argile et de Porcelaine - CHINI (Shoubra /El Kheima - Cairo ) - 1997 Environmental Studies for El-Tabia Pumping Station (El Tabia - Alexandria ) 1996
- Several Factories in Greater Cairo for Oil and Soap-1993
- Abu-Tartour Phosphate Project ( El-Wady El-Gedid) -1992
- Enhancing the effluent quality in Slaughter House Area (Cairo) –1990.
- Several factories in Greater Cairo for Oil and Soap 1993.
- Master plan for solid waste management for different cities in Egypt (1990 – 2000).
- Reviewing EIA of the proposed New Alexandria sanitary landfill (2000).

***3- Training***

- Industrial waste monitoring programs
- Water quality monitoring programs
- Hydrology in arid and semi-arid regions
- Wastewater system design for small communities
- Solid waste management and landfill program for Egyptian municipalities.

***4- International projects:***

1. Engineered wetland at Lake Manzala, Egypt. An international project funded by UNDP, 1994 – 1998.
2. Support for Environmental assessment and management (SEAM project) by Entec – UK DFID- solid waste, pollution control, EIA and Environmental Action plan to EEAA, 1995 – 1998.
3. Egyptian pollution abatement project (EPAP – project) by finish environmental Institute, to EEAA, (1997 –1998).
4. Environmental facility for public Sector industry in Egypt – funded by KfW to EEAA., 1998.

5. Egypt environmental initiatives fund, environmental Management & Technology Company (CIDA) 2000.
6. Egyptian Solid Waste Management program (preparing tender document for greater Cairo and El-Ghabia Governorate 2000.
7. National Water Quality and Availability Management project – Egypt – funded by CIDA to MPWWR, 1998 (consultant for water treatment and pollution control sector).

***5- Irrigation and Drainage Projects:***

1. Design irrigation and tile drainage systems for 3000 feddans, at El-Nabaraia Area (NADCO) – 1993.
2. Design irrigation and tile drainage systems for 200 feddans , at Al-Magrabi farm - Nobaria area - 1995.
3. Design irrigation and tile drainage systems for Desert Lodge farm at Cairo – Alexandria desert road (250 feddans) – 1996.
4. Design irrigation and tile drainage systems for Verdi farm, at Cairo – Alexandria desert road (300 feddans) - 1996.
5. Design irrigation and tile drainage systems for Green farm (180 feddans) at Cairo – Alexandria road, 1998.
6. Design irrigation and tile drainage systems for Several Touristic Villages at Hurghada and Sharm El-Shiek (land Scope), (1995-2003).
7. Design irrigation and tile drainage systems for OFK (Horizon farm), 500 feddans , at Cairo – Alexandria desert road, 2002.
8. Design irrigation and tile drainage systems for 1000 feddans at Quas District, Qena Governorate using treated Wastewater, 2003.
9. Design irrigation and tile drainage systems for 250 feddans El-Forafra Oasis, using treated wastewater, 2003.
10. Design and supervision the installation of both irrigation and the drainage systems for Al-Azhar Park, 80 feddans, Cairo, 2002.

***6- Irrigation and Drainage Projects:***

**7- References**

**1. Mr. Philip A. Jago.**

Director and SEAM project Manager  
Entec – UK DFID.

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Egyptian Environmental Affairs Agency,  
Cairo, Egypt.

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**e-mail** : [entecegy@eis.com.eg](mailto:entecegy@eis.com.eg)

**2. Mrs. Samia Guirguis.**

Assistant Regional Representative  
UNDP in ARE,

**Address** : 1191 Corniche El-Nile, world Trade Center Build, Boulac, Cairo,  
Egypt

**Ph, Fax** : 202) 5784840-6                      **Fax :** (202) 5784847  
**e-mail** : [egyolsg@foegy.undp.org.eg](mailto:egyolsg@foegy.undp.org.eg)

**3. Mr. Kieth Brook.**

Technical Manager, Dorsch Consult, Coordinating Consultancy Services  
for KfW. Environmental Facility Project in Egypt

**Address** : 6 street El-Saad El-Ali, Maadi, Cairo, Egyp.

**Ph, Fax** : 202) 3782434                      **Fax :** (202) 3752394  
**e-mail** : [dcc97@soficom.com.eg](mailto:dcc97@soficom.com.eg)

**4. Dr. Ahmed Aboul Azm**

Director of Environmental Impact Assessment Unit.

**Address** : 30 Misr Helwan Agricultural Road, 6<sup>th</sup> floor, Maadi, Environmental  
Ministry of state, Cairo, Egypt

**Ph, Fax** : (202) 5259542                      **Fax :** (202) 5259543  
**Mobile** : (010) 1481214

**5. Dr. Hossam Fahmy**

Director of Drainage Research Institute, National Water Research Center,  
MWRI

**Address** : Administration Building El-Kanater , Cairo - Egypt

**Ph, Fax** : (202) 2182480-                      **Fax :** (202) 2182482

**List of Publications**

1. S. Abdel-Gawad and J.A. McCorquodale (1985) "Analysis of the Radial Submerged Hydraulic Jump" Canadian Journal of Civil Eng. Vol., 12, No, 3.
2. S. Abdel-Gawad and J.A. McCorquodale. (1985) "Rapidly accelerated flow past Multiple Obstructions. 21<sup>st</sup> IAHR Melbourne Australia, Vol. 5.
3. S. Abdel-Gawad (1987) "Analysis of the Radial Submerged Hydraulic Jump" Journal of the Egyptian Society of Civil Eng. Vol., 26, No, 1.
4. S. Abdel-Gawad and Shaden Abdel-Gawad (1988) "Hydrodynamics of Circular Jets in Cross-Flow" Journal of the Egyptian Society of Civil Eng. Vol., 27, No, 2., Egypt.
5. S. Abdel-Gawad and Shaden Abdel-Gawad (1988) "Experimental Model for Non-Buoyant Turbulent Jets" Scientific Engineering Bulletin, Faculty of Eng. Cairo University, No. 3J , Egypt.
6. S. Abdel-Gawad, A.M. Amer and M.M. Atrees (1989) "Experimental Solar Ponds at Alexandria , Egypt. International Journal of Science and Tech., Vol. 2, No. 1, Indiana U.S.A"
7. S. Abdel-Gawad (1989) "Virtual Mass Coefficient in Coastal Structures" Scientific Eng., Bul., Faculty of Eng., Cairo University, Vol. 36 No. 3.
8. S. Abdel-Gawad and Shaden Abdel-Gawad (1989) "Experimental Analysis of Buoyant and Heavy Density Side Effluents to Trapezoidal Channels" Scientific Eng. Ain Shams Univ., Egypt.
9. S. Abdel-Gawad (1989) "Pipe Line in the Sea" Scientific Eng., Bulltin., Faculty of Eng., Cairo University, Vol. 36 No. 4.
10. S. Abdel-Gawad (1989) "Seepage and Environmental Impacts of Unlined Solar Pounds" El-Azhar Eng1st Conference, Azhar Univ., Cairo Egypt
11. Abdel-Gawad, S.M., (1991) "Comparison of Numerical Methods Used in Modeling Hydrodynamics of Sedimentation Basins", Journal of Engineering and Applied Science, Vol. 38-3 pp 881-892, Faculty of Engineering, Cairo University.
12. S. Abdel-Gawad and Rady, M.A, Imam E.H, and Ali H.M, (1991) "Seepage from Imperfectly Lined Canals", Journal of Engineering and applied Science, Vol. 38-4, pp 707-720, Faculty of Engineering, Cairo University.
13. S.M Abdel-Gawad, (1991) "Turbulence Studies and heir Applications in Hydraulics of Settling Basins", Civil Engineering Research Magazine, Faculty of Engineering, Cairo University.

14. Abdel-Gawad S.M, and Abdel-Gawad S.T., (1993) “ General Equation for Jet Trajectory in Cross-Flowing Streams”, Water Science, Water Research Center, Cairo , Egypt, Vol. 3, pp. 4-11.
15. Abdel-Gawad S.M. Imam E.H. and Ali, H.M. (1993) “Experimental Investigation Into the Effect of Imperfect Canal Linings on Seepage Losses”., International Commission of Irrigation and Drainage ICID, 15<sup>th</sup> Congress, the Hoge , Netherland, , Volume 1-C, Question 44, R 75-R 103, pp. 1249-1261.
16. El-Gammal H., Abdel-Dayems S., Abdel-Gawad S.M., and Amer, M.A. (1993) “ The Effect of Subsurface Drainage System Performance on the Drainage Criteria” Al-Azaar Engineering Third Conference, Cairo , Egypt, pp 261-274.
17. Abdel-Gawad S.M. “Engineered Wetland Technology Applied to Bahr El-Baqr Drain (1994) “, Second Conference on Civil Engineering , Military Technical College , Cairo , Egypt , Volume II, pp.83-94.
18. El-Sayed A., Abdel-Gawad S.T., Abdel-Gawad S.M., and Ibrahim K.(1994) “Effect of Waste Discharges on the Water Quality of Bahr El-Baqar Drab System”, Proceedings, VLL Iwra World Congress on Water Quality, Cairo, Vol. 1, (T4-S1), PP. 5.1-5.15.
19. Abdel-Gawad, S.M., “Water Hammer Analysis for the Pipeline Ahmed Hamdi Tunnel , Abou-Radis (1994) ”, Engineering Research Journal, University of Helwan , Cairo, Vol. 6., pp. 40-54.
20. Abdel-Gawad S.M, and Awadlla N.A., (1995) “Analysis of Internal Flow of Radial and Rectangular Submerged Hydraulic Jumps” Engineering Research Journal , University of Helwan, Cairo, Vol. 7,
21. Abdel-Gawad S.M., El-Ansary A.S. and Kassem A.A., (1995) “Control of Transients by Using Check Valves Through Pressurized Piping System”, Proceedings of the 5<sup>th</sup> International Conference of Fluid Mechanics , Cairo , Egypt, Volume 1,pp. 1-14.
22. Abdel-Naby M.M : A.M. El-Sayed; S.T. Abdel-Gawad and S.M. Abdel-Gawad.(2000) “ Effect of Alternation Techniques of Irrigation on the Yield of Wheat” 51st IEC Meeting of the International Commission on Irrigation and Drainage (ICID), 25-26 October 2000,. Cape Town, South Africa.
23. Khalifa, Walid M.A.; Abdel-Gawad Sameh M.; Abdel-Hamid, Nagi M. Water “Quality Simulation of Lake Qaroun Using Two Dimensional Models (2001) ”Water Environmental Federation, October 2001, (1-10) WEFTEC paper.
24. S. Abdel-Gawad and M. Abdel-Shafy (2002) “Pollution Control of Industrial Wastewater from Soap and Oil Industries: a Case Study”, Water Science and Technology, Vol. 46 No 4-5PP-82, IWA,.

25. Tarek, S., Abdel-Shafy, M. Hanfy, M. and Abdel-Gawad S. (2002) "Review on the Existing Wastewater Treatment Plant in Egypt", Role of Engineering towards a Better Environment, 4<sup>th</sup> International Conference, Dec. 23-24, 2002, Alexandria, Egypt.
26. Abdel-Shafy, M., Sabry, T., Hanfy, M. and Abdel-Gawad, S., (2002) "Industrial Wastewater Treatment for Disposal into Agricultural Drains: Case Study". First Regional Conference on Perspective of Arab Water Cooperation, Egypt, Oct., 12-14,, 2002, NWRC,.
27. Mostafa, A.M., Gawad, S.T and Gawad S.M (2002) "Development of water quality indicators for Egyptian drains". ICID, Montreal, Canada. Paper No. Q50/R6.01, 12p.
28. Mostafa, A.M. Abdel-Sattar. A and Gawad S.M (2003) "A new technique for the estimation of BOD/DO from un-monitored/non-point sources of pollution," J. of Eng. & App. Science, Cairo University (In REVIEW).
29. Mostafa A.M., Ewaida , Faten and Gawad ,S.M (2003) "Estimating BOD pollution rates along El-Salam canal using monitored water quality data (1998-2001)", 9<sup>th</sup> Int'l Drainage Workshop, Sept. 10-13,2003 Utrecht, The Netherlands , Paper No. 050. 14p.
30. Mostafa A.M.; Abdelsattar, A and Gawad, S.M (2004) "variation of BOD pollution rates within Hadous drain catchments of Egypt "2nd Asian regional Conference ICID-CIID, Australia (IN REVIEW).
31. Mostafa A.M. Ewida , Faten and Gawad S.M (2004). "On the use of monitored water quality data (1998-2001) for estimating BOD pollution rates along El-Salam Canal "AUTO-MONIT 2004, AUSTRIA (In REVIEW)

**Personal Data:**

**Nationality** Egyptian  
**Date of Birth** 31/06/1963  
**Marital Status** Married  
**Specialisation** Sanitary and Environmental Engineer  
**Work** Assist. Prof. of Sanitary and Environmental Engineering  
**Work Address** 1- El-Menofia University,  
Faculty of Engineering,  
Civil Engineering Department,  
Egypt, Shebin Elkom, Post No.32511,  
2- Misr Consult for environmental and infra str. Studies.  
72 Gamet El Dewal St. Giza, Egypt.

**Home Address** 12 Ahmed Abo-Ela, Nasr City, Cairo, Egypt.  
**Phone** 0020106034029, 0020 2 2737973  
**Fax** 002048235695  
**E-mail** m\_abdel\_shafy@hotmail.com  
**Years with firm** 5 years.

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**Education:**

1999 Ph.D. in Sanitary and Environmental Engineering, Czech Technical University, Czech Republic. Research entitled "Changing water quality in water distribution system and its modeling"

2000 Post graduate courses in "Sediment transport technology" sponsored by UNISCO in technical research institute of Turkish Ministry of public works, Ankara Turkey.

1991 M.Sc. in Sanitary Engineering from El-Menoufia University, Egypt. Research entitled "Evaluation and Development of the Waste Water Treatment Plant In El-Kom El-Aghder village by Using Aqua-Life Unit"

1986 B.Sc. in Civil Engineering, Public works, Ain Shams University, Egypt. Grade very good with honor degree, and excellent in project in Sanitary Engineering.

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**Languages:**

Arabic Mother tongue  
English Excellent, Writing, Reading and Speaking

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**Key Qualifications:**

Dr. Abdel-Shafy has more than 18 years experiences in both academic, managerial and consultation work. He has performed a lot of environmental studies to both El-Menoufia University and also as the head of sanitary engineering group of Misr Consult. Dr. Abdel-Shafy participates in the following:

- Member in Egyptian Engineering Syndicate.
- Member in International Water Association.
- Member in Czech Water work Association.

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**General Experience Record:**

2003	Pre-proposal assessment and Comprehensive Development with Emphasis on Sanitation Project for villages of Kotour & Bassyun District –Gharbeia Governorate, for Egyptian Swiss Development Fund, Cairo, Egypt.
2003	Master plan design of water, wastewater and solid waste facilities of villages MANAWAHLA, GARAWAN, BAI ELARAB, MEET AFIFI, MESHEERAF, and KAHR ELKHADRA, in El Bagour District, Menoufia Governorate, for Communities Planning Authority , Cairo, Egypt.
2003	Pre-proposal assessment and Comprehensive Development with Emphasis on water supply, Sanitation and solid waste Project for villages of Ques District –Qena Governorate, for Egyptian Swiss Development Fund, Cairo, Egypt.
2003	Design, drawing, and specification of plumbing works and water supply pipes for Hospital of National Kidney Institute, El-Menoufia University, Shebin Elkom, Egypt.
2003	Pre-proposal assessment and Comprehensive Development with Emphasis on water supply and Sanitation Project for villages of Abou Tig District –Assut Governorate, for Egyptian Swiss Development Fund, Cairo, Egypt.
2002-2003	Design executing drawing of water supply for Smart village, Abou Rawash, for ministry of information and communication, Cairo.
2002	Master plan design of water, wastewater and solid waste facilities of villages ELMAY, ELBATANOON, SHORABAS, MELEEG, HESET MELEEG, SHANAWAN, ELMOSELHA, BAKHATY, in Shebin Elkom, District Menoufia Governorate, for Communities Planning Authority , Cairo, Egypt.
2002	Design expansion, rehabilitation, and modification of wastewater treatment plant of ELADLIA Village, Domiat Governorate.
2002-2003	Design executing drawing of water supply and sewerage

	networks of Investment Region, ELKATTAMIA, Cairo.
2001	Design of sewerage pipe network for Faculty of Engineering, El-Menoufia University.
2001	Design of sewerage system for Cloubatra and Shat-Elgharam beach Camp, Mars-Matroh Governorate.
2000 - 2001	Supervision of water supply network, sewerage system and construction buildings in many faculties (Laws, Sciences, Medicen, Agriculture) of El-Menofia university Camp.
2000 -2001	Sharing in design of Water Treatment Plant of Misr Bni-Suef Cement Company.
2000-2001	Supervision of Industrial wastewater treatment plant for Tanta Soap and Oil Company (Two Factories).
1999-2002	Design, preparation tender, evaluation offers, selection contractor, and supervision of Industrial wastewater treatment plant to Bisco Misr company (Three Factories)
2000 - 2001	Preparing of Environmental Impact Assessment (EIA) and primary design for Enterprises Incubators in El-Rahebein, El-Mehalla Elkobra District , Gharbia Governorate, Egypt.
1999 - 2001	Design and supervision of water supply, sewerage, sewage and industrial wastewater works for Quena Newspaper printing company.
2000	Preparing specifications of sanitary landfill of solid waste for Sharm El-Sheikh, South Sainaa Governorate.
2000	Preparing specifications, tender and pre-qualification company of Solid Waste collection, transportation, recycling, and disposal for Cairo and Gharbia Governorates.
2000	Water quality control and rehabilitation of water intake and treatment plant for Cement Bni-Suef Company.
1999	Design of water distribution system for the industrial zone in Qesna, El-Menoufia Governorate.
1997-1998	Check, redesign, and quality control of water distribution system in Tabor and Ciska Bodijvica cities, Czech Republic.
1989 –1996	Quality control tests for water and construction buildings in the laboratory of Properties of materials, Faculty of Engineering, El-Menoufia University.
1994	Check and design of water supply network and sewerage system of Tanta University Camp.
1992	Surveying and primary design of sewerage pipe network for El-Gaafaria and Tatay Villages, ElGharbia Governorate.
1990	Design and supervision of sewerage pipe network for Kafr Paldem Village, ElGharbia Governorate.
1987 – 1989	Supervisor for constructing of extension of Water Treatment Plant and its Training Centre in Damanhour.
1986-1987	Design and supervision of private buildings in Tanta.

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**Teaching Experience:****1989 – 1996 Assistance lecturer for the following:**

- 1- Sanitary Engineering course for 4<sup>th</sup> year undergraduate engineering student.
- 2- Sanitary Engineering project for 4<sup>th</sup> year undergraduate engineering student.
- 3- Hydraulic course for 2<sup>nd</sup> year undergraduate engineering student.
- 4- Hydrology course for 2<sup>nd</sup> year undergraduate engineering student.
- 5- Properties of Material course for 1<sup>st</sup> year undergraduate engineering student.
- 6- Engineering Drawing course for 1<sup>st</sup> year undergraduate engineering student.

**1999 – Present Lecturer for the following:**

- 1- Sanitary Engineering course for 4<sup>th</sup> year undergraduate engineering student.
- 2- Sanitary Engineering project for 4<sup>th</sup> year undergraduate engineering student.
- 3- Environmental Engineering course for 4<sup>th</sup> year undergraduate engineering student.
- 4- Industrial Wastewater Treatment course for postgraduate student.
- 5- Water pollution course for postgraduate student.
- 6- Environmental Engineering course for postgraduate student.
- 7- Advance water treatment course for postgraduate student.

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**List of Publications:**

- 1- “Evaluation and Development of the Waste Water Treatment Plant In El-Kom El-Aghder village by Using Aqua-Life Unit” Master Science thesis 1992.
- 2- “Monitoring of Drinking Water Quality.” A paper was presented in the workshop 97 of Czech Technical University in Prague (CTU) , Czech Republic in Feb1997.
- 3- “The Relationship Between THM Formation and Chlorine Decay in Water Supply.” A paper was presented in symposium of “Transportation Influence on Water Quality”, Prague, Czech Republic in Nov. 1997.
- 4- “Research of Possibility of Ecological and Economical Treatment,

- Transport and Distribution of Drinking Water.” A report was published in Sanitary Eng. Dept., Fac. of Civil Eng., CTU in Dec. 1997, Prague, Czech Republic.
- 5- “Trihalomethane Formation in Drinking Water Pipeline” A paper was presented in the workshop 98 of CTU in Feb. 1998, and also presented in the conference of “Arab Water” Cairo, Egypt, April 1998.
  - 6- “The Effect of Different Parameters on Water Quality During Transportation.” A paper was presented in the conference of “Transfer 98” Prague, June 1998.
  - 7- “Changing Water Quality in Drinking Water Pipelines.” A paper was presented in the conference of “Master Plans for Water Utilities” Prague, Czech Republic 1998.
  - 8- “Trihalomethane Formation in Chlorinated Distribution System.” A paper was presented in the conference of “Disinfectant Residuals” Mulheim an der Ruhr, Germany, October 1998.
  - 9- “Research of Possibility of Ecological and Economical Treatment, Transport and Distribution of Drinking Water.” A report was published in Sanitary Eng. Dept., Fac. of Civil Eng., CTU in Prague, Czech Republic 1999.
  - 10- “Modelling of Processes in Drinking Water Network.” A poster was presented in the workshop 99 of CTU, Prague, Czech Republic in Feb. 1999.
  - 11- “Monitoring of Drinking Water Quality during transportation from České Budějovice to Tabor.” A paper was published in Journal ‘Stavebni Obzor’ of CTU Vol. 8, No. 3, (March 1999), pp. 82-SB.
  - 12- “Creation, Evolution and Modelling of THM in Transported Drinking Water.” A paper was presented in the conference of “Voda Zlin 1999” Zlin, Czech Republic in March 23-24, 1999.
  - 13- “Changing water quality in water distribution system and its modeling” Ph. D. Thesis, Czech Technical University, Czech Republic, May 1999.
  - 14- “Corrosion and Biofilm on Coupons Through Loops Constructed along Transported Pipelines”, Proceeding of Conference of “4th IAWQ Conference on Biofilm Systems, New York, USA, October 17-20, 1999.
  - 15- “THM Formation in Water Supply in south bohemia, Czech Republic” Journal ‘Water Research’ in March 2000.
  - 16- “Corrosion Investigation for Steel Water Pipelines: A Case Study” for Conference of “Water Africa 2000”, Cairo, Egypt, May, 2000.
  - 17- “Pollution Control of Industrial Wastewater from Soap and Oil Industries: A Case Study” Journal Water Science and Technology Volume 46 No. (4-5), 2001.
  - 18- “Investigation of Drainage water Treatment: “A Bilateral Strategy Approach” National water Research Center, Cairo, Egypt, March 2002.
  - 19- “Industrial Wastewater Treatment for Disposal into Agriculture Drains:

- A Case Study” Paper presented in 1<sup>st</sup> regional perspectives Arab Water Cooperation, Cairo, Egypt, 12-14 Oct. 2002.
- 20- “Review of the existing wastewater treatment plant in Egypt” paper accepted to RETEBE’02 Conference, Alexandria, Egypt, 21-32 Dec. 2002
- 21- “Investigation of Drainage water Treatment: A Bilateral Strategy Approach” paper presented in National Water Research Center Conference, Alexandria, Egypt, 25-28 Jan. 2003.
- 22- “Distribution system and drinking water quality” paper presented in 7th International conference, ALAZHER University, Cairo, Egypt, 4-8 April. 2003.
- 23- “Constructed Wetland Performance with Time for Wastewater Treatment” paper accepted for 7th International conference, Menofia University, Shebin El-Kom, Egypt, which held on 15-17 September. 2003.
- 24- “Long time series simulation for water quality in distribution systems fed from different water sources” paper accepted for 7th International conference, Menofia University, Shebin El-Kom, Egypt, which held on 15-17 September. 2003.
- 

**Conferences attended:**

- 1- “Transportation Influence on Water Quality” Prague, Czech republic, 29th Nov. 1997.
- 2- “Arab Water” Cairo, Egypt, April 26-28, 1998.
- 3- “Master Plans for Water Utilities” Prague, Czech republic, June 17-18, 1998.
- 4- “Disinfectant Residuals” Mulheim an der Ruhr, Germany, 28-30 September 1998.
- 5- “Water Industry and Technology” Alexandria, Egypt, Dec., 1999.
- 6 “Water Africa 2000” Cairo, Egypt, May, 2000.
- 7 “ IWA 2<sup>nd</sup> World Congress, Efficient water management – making it happen” Berlin, Germany, 15-19 October 2001.
- 8 “1st Regional conference on Perspectives of Arab Water Cooperation” Cairo, Egypt, 12-14 October 2002.
- 9 RETEBE’02 Conference, Alexandria, Egypt, 21-23 Dec. 2002.
- 10 Investigation of Drainage Water” under sponsor National Water Recerch Center Conference, Alexandria, Egypt, 25-28 Jan. 2003.
- 11 “7<sup>th</sup> Inernational Engineering conference” ALAZHER University, Cairo, Egypt, 4-8 April. 2003.
-

**Personal Data:**

*Specialization* Environmental and sanitary Engineering  
*Year of Birth* 1968  
*Years with firm* 5

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**EDUCATION\* :**

1999 **Ph.D.** in Environmental Engineering, Van Hall Int., leeuwarden, Netherlands in collaboration with Ain Shams University  
Thesis Title: *Anaerobic Treatment of Fats Containing Wastewater*

1993 **M.Sc.** in Sanitary Engineering, Ain Shams University, Cairo, Egypt  
Thesis Title: *Chemical Assisted Primary Treatment in Wastewater Plant*

1990 **B.SC.** in the Civil Eng., Ain Shams University, Cairo, Egypt;  
Rank 2<sup>nd</sup>/120 with distinction- Top 2%

\* All Studies were in English

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**KEY QUALIFICATIONS:**

- Strong background in the environmental engineering aspects especially in the field of water/ wastewater distribution/ collection, treatment and reuse.
  - Good experience in working with many consulting engineering firms specializing in the field of water and wastewater projects.
  - Work as an expert at the Ministry of State for Environmental Affairs and at the Ministry of Housing and Utilities & Urban Communities
- 

**SUMMARY OF THE INDUSTRIAL/CONSULTING EXPERIENCE :**

6/2000 Present Environmental and sanitary expert Engineer at Misr Consult  
1/2002 Present Part time sanitary expert engineer in the Ministry of Housing, Utilities & Urban Communities

7/2000 - 8/2001 Part time environmental expert engineer in the Ministry of State for Environmental Affairs

4/2000 to 7/2000 Environmental and sanitary expert Eng., Hagler Bailly Services Inc., US Consulting Firm in Egypt

10/1999 to 3/2000 Environmental and sanitary expert Eng., Environmental Service Inc., Harza & CDM, US Consulting Firms in Egypt

5-6/ 1999 Environmental and sanitary expert Eng., GWK . German Consulting Firm in Egypt

1990 to 1996 Sanitary engineer in many of big local consultant offices

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**SKILLS :**

<b>Languages</b>	English, Arabic and little Dutch and French
<b>Computer</b>	Microsoft Word, Excel, Power point, AutoCAD, Water & Sewer CAD, Cyber net

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**INTERNATIONAL WORKSHOP TRAINING :**

- **Environment Impact Assessment (EIA) course;** American University in Cairo, January- June 1999
  - **Environment Management System (EMS)course;** American University in Cairo, January- June 1999
  - **Laboratory Safety Training,** Iowa State University, Ames, Iowa, May, 2003
- 

**PUBLICATION:**

- **Sabry, T.I.M.,** and Sung, S. (2004); *Start-Up Behavior of UASB Reactor Seeded with Granular and Flocculent Sludge.* Submitted to 2<sup>ND</sup> IWA leading-edge conference on water and wastewater treatment technologies, Czech Republic, 1-4 June 2004.
- **Sabry, T.I.M.,** Khanal, S., and Sung, S. (2004); *The behavior of the flocculent and granular sludge against different hydraulic retention time and shock loads in the UASB reactors.* Submitted to 10th World Congress - Anaerobic Digestion 2004, Anaerobic Bioconversion for Sustainability, IWA, 29 August - 2 September 2004, Montreal (Canada).
- **Sabry, T.I.M.,** and Sung, S. (2004); *The Feasibility of Using an Anaerobic Modified Septic Tank in the Developing Countries.* Submitted to World Water Congress and Exhibition, IWA, Marrakech 19<sup>th</sup> – 24<sup>th</sup> September 2004.
- **Sabry, T.I.M.** (Jan. 2003); *The Best Start-up Regime of the Thermophilic Sludge Treating Fats Containing Wastewater,* Scientific newsletter, Faculty of engineering, Ain Shams University. Paper has been also accepted from the committee of Latin American Workshop and Symposium on Anaerobic Digestion (in Mexico), October 2002 (IWA)
- **Sabry, T.I.M.,** Abdel-Shafy, M., Hanafy, M. and Abdel-Gawad, S. (Nov. 2002); *Review on the Existing Wastewater Treatment Plants in Egypt,* In Proceedings of RETBE 2 International Conference, Alexandria, Egypt
- Abdel-Shafy, M., **Sabry, T.I.M.,** Hanafy, M. and Abdel-Gawad, S. (Oct. 2002); *Industrial Wastewater Treatment for Disposal into Agricultural Drain: A Case Study,* In Proceedings of First Regional Conference on Perspective of Arab Water Cooperation, National Water Research Center, Egypt.
- **Sabry, T.I.M.** (Sept. 2002); *Best Practices for Sanitation Works in the Coast and Desert Red Sea Area,* Scientific newsletter, Faculty of engineering, Ain Shams University

- **Sabry, T.I.M.** and Ghobrial, F.H. (June 2001); *Cost Comparison of Treating Wastewater in Rural Egypt*, Scientific newsletter, Faculty of engineering, Ain Shams University
  - **Sabry, T.I.M.** and Ghobrial, F.H. (June 2001); *Cost Optimization of Wastewater Systems in Rural Egypt*, Scientific newsletter, Faculty of engineering, Ain Shams University
  - Sayed, S.K.I. and **Sabry, T.I.M.** (March 1998); *The Effect of the UASB Reactor proportional Dimensions on the Performance of Thermophilic Sludge in Treating Fats Containing Wastewater*, In Proceedings of International Congress IAWQ (IWA) held in Wageningen, The Netherlands
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**MEMBERSHIP:**

- Member in the International Water Association **IWA**
  - Member in the committee of the pipeline material selection code of practice
  - Member in the utilities committee in the ministry of housing
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**CONTACT REFERENCE PROFESSORS (REFEREE):****1. Associate Prof. Shihwu Sung**

Department of Civil, Construction, and Environmental Engineering, Ames,  
Iowa 50011-3232, USA

Tel. (515)-294-3896 [sung@iastate.edu](mailto:sung@iastate.edu)

**2. Prof. Dr. S.K.I. Sayed**

Department of Environmental Technology, Van Hall Institute, Agora 1, P.O.Box 1528,  
8901 BV, Leeuwarden, the Netherlands

Tel. +31-582846100 [ski.sayed@pers.vhall.nl](mailto:ski.sayed@pers.vhall.nl)

Fax. +31-582846260

**3. Prof. Dr. Fekry Haleem Ghobrial**

Sanitary Engineering, Civil Engineering Department, Faculty of Engineering, Ain Shams  
University, Sarayat Street 1, Abdou Basha, P.O.Box 11517, Cairo, Egypt.

[fyghobrial@yahoo.com](mailto:fyghobrial@yahoo.com)

**4. Prof. Dr. Sameh Abdel Gawad**

Head of Misr Consult consultation firm. 72, Gamet El Dawal St., Mohandessin, Cairo,  
Egypt. Tel. & Fax: +202-7620196, email: [econsult@link.net](mailto:econsult@link.net)

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**DETAILED EXPERIENCE RECORD:**

**July 2000- Present; Misr Consult,**

Position, *Environmental and sanitary expert Engineer*

Tasks,

- Full detailed workshop drawing of water supply and sanitation work in *El Katameya* Project.
- Full detailed workshop drawing of water supply and sanitation work in *Villa Apartment, Dream Land, 6th of October*. (total infrastructure project cost 12.46 million Egyptian pounds)
- Design and supervision of water supply, irrigation, subsurface drainage and sanitation works in *Al Azhar park, Al Azhar District* area. (total infrastructure project cost 3.5 million Egyptian pounds)
- Pre-project assessment report of water and sanitation component in 16 villages in *Al-Tal Al-Kebir District "El Ismailia Governorate"* and in 11 villages in *Itsa District "El Fayoum Governorate"*, (submitted to Egyptian Swiss Development Fund)
- Design and workshop drawing of *Dream Land* wastewater treatment plant.
- prepare tender document on the rehabilitation of industrial wastewater treatment in *Misr Al Amria Spinning & Weaving company*.

**Jan. 2002- Present; Ministry of Housing, Utilities & Urban Communities (25% of working time),**

Position, *Sanitary expert engineer*

**Tasks, *Assessment and follow up all the water and wastewater projects in the ministry.***

July 2000- May 2001; Environmental Inspection Unit, Ministry of State for Environmental Affairs (EEAA) ***(25% of working time)***,

Position, *Environmental expert engineer*

Tasks,

- Assess and follow up the environmental condition at the different industries in the new industrial cities (*10<sup>th</sup> of Ramdan, 6<sup>th</sup> of October, etc..*) and give consultation to make them comply with law 4/1994 and ministerial decree no. 48/1982.

- Work with team in preparing the specification of the solid waste management scheme in many places in Egypt which include the collection, transfer station, processing, composting, and landfill works.

*April 2000- July 2000 ; Red Sea Sustainable Tourism Initiative (RSSTI), Tourism Development Authority (TDA). A USAID/EEPP Project implemented by Hagler Bailly Services, Inc.*

Position, *Environmental and sanitary expert Engineer*

Project title, *Best Practices Manual for Water and Sanitation Works in the Coast and Desert Red Sea Area*

***Tasks, preparing a guideline for the Red Sea investors includes the new technologies which can be used in such an area (rural area) to obtain water and to collect - treat -and dispose of wastewater.***

***October 1999– March 2000 ; HARZA “ Environmental Services, Inc.” In Association With Camp Dresser & McKee International, Inc, funded by US. AID,***

Position, *Environmental and sanitary expert Engineer*

Project title, *Middle Egypt Master Planning Project for water and wastewater (three governorates; Minia, Beni suef, and Fayoum)*

Tasks,

- Select different options to treat wastewater in the rural areas in the three Governorates.
- Assessment of water and wastewater treatment plants in the three Governorates

Project duration, *January 1999 – March 2000*

Project ended on, *March 2000,*

***June- July 1999; GKW Germany Consulting Firm,***

Position *Environmental and sanitary expert Engineer*

Project title *The strategic plan for water supply and sanitation works in Qena Governorate in upper Egypt.*

Tasks *Design a strategic plan to supply the project area by potable water*

***Project duration, January 1999 – July 1999***

***January- May 1999; Ibrah. El Haywan Consulting group,***

Position, *Sanitary expert Engineer*

Tasks, *Plumbing & mechanical works for many of International hotels in Sharm El Shakh and Marsa Alam cities in the red sea area including the complete study of the fire fighting system.*

**1996-1999; Ph.D thesis work,**

**My thesis was accomplished in Van Hall Institute in Leewarden, Netherland. The thesis was done in English.**

**1995-1996; Enviro-Civec Consulting office,**

Position, Senior sanitary design engineer.

Tasks,

- Full design of the main wastewater collection “including water hammer protection” of *Sharm El Shakh city* including; Four main pump stations, force main lines, Main sewerage Collector
- Design including calculation sheet and detailed plans of the activated sludge wastewater treatment plant in *Shershaba city, El Sunta, El Garbia governorate*
- Feasibility studies and complete design of wastewater main collection system of *El Obour city* from the different district areas through seven pump stations. The study included the design of force main “including water hammer protection” from the main pump station of *El Obour city* to *El Gabl El Asfer* treatment plant in Cairo
- Design and work shop drawing of the temporarily wastewater treatment plant of *El Obour city* by using of Stabilization Pond with capacity of 5000 m<sup>3</sup>/d
- Design the profile line of water main pipe and its appurtenances to *El Sherouk city*
- Full design including the final report of the sewerage system of *Kafir El Bab city, El Sunta, El Garbia governorate*

**1994-1995: Envir. Stud. “Medhat Salah” Consulting office;**

Position, Senior sanitary design engineer

Tasks, Design including calculation sheet and detailed plans of the water carrier lines from Ismailia canal to the water treatment plant of *El Obour city*. This project was consisted of; Intake in the canal, Pump stations, Pipe lines, and ground tanks

**1993-1994; Talaat Consulting office**

Position, Sanitary design engineer

Tasks,

- Feasibility studies, detailed reports, and complete designing plans of the wastewater collection systems, of the cities;

*Tala (Monofia governorate), Mataria (Dakahilia governorate), Abo Kebeer- Menya El Kamh-Billbase (Sharkia governorate)*

- Feasibility studies and Primary report to feed irrigated water to the *dream land- 6<sup>Th</sup> of October city.*

**1991-1993; M.Sc. thesis work,**

**1990-1991; Ali El Gohary Consulting office**

Position, *Sanitary design engineer*

Tasks,

- Rehabilitation and Renovation of water network pipes of El Mansoura city by adding new pipe lines, and new elevated tanks distributed in the whole city, which their capacities ranged from 1000 to 3000 m<sup>3</sup>, to the old network pipes system. The hydraulic analysis of this system was conducted by KY-Pipe computer program to choose the location and the height of the elevated tanks and to add new pipes to the system
- Rehabilitation of the sand filter building in the *Shobra El Khama* water treatment plant
- Feasibility studies, detailed reports, and complete designing plans of the sewerage system and pump station of *El Marg* District area, Cairo
- Full detailed workshop drawing of sewerage system in Embaba, Cairo (AMBRIC, USA consulting firm was the general Consultant) and in Soq El Obour- *6<sup>th</sup> October* city
- Full detailed workshop drawing of water supply and sanitation work in *El Obour city* for the Municipals no. 1, 2, 33, 34 of the second district area.

**Personal Data :**

Nationality Egyptian  
Date of Birth 1 5/12/1967  
Marital Status Married Wife and daughter  
Specialization Lectyerer, chemical engineering dept.,  
Position in firm Head of Environmental studies department  
Years with firm since 1998

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**Education :**

**Feb., 2000** Treatment of Refractory Organic Wastes by Electrochemical Oxidation Technique. Expected to earns degree

**1999** Ph.D degree, chemiacal Engineering, Cairo University. Egypt  
Design considerations and control of anodic oxidation of phenol in wastewater using packed bed anodes

**1994** M.Sc degree, Chemical Engineering, University Optimization, Modeling & Control of Coke Caleiner in Naga Hammadi Aluminum Complex.

**1990** B.Sc degree with distinction, Chemical Engineering, University of Cairo, Egypt.

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**Academic Post:**

**2000** Lecturer, chemical engineering dept., Fac. of Engineering, Cairo University.

**1994** Teaching assistant, chemical Engineering dept., Fac. of Engineering, Cairo University.

**1990** Demonstrator, Chemical Engineering, University of Cairo, Egypt.

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**Languages:**

Arabic Mother tongue  
English Excellent, reading, writing and speaking,

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**Key Qualifications:**

*Dr. M. Hanafy has over 10 years of technical and managerial comprehensive experience. He prepared documents in the Compliance Action Plans (CAP) and Environmental Management System (EMS) for:*

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- 12 factory of Coca Cola for bottling of light beverages.
- Paints and chemical industries company (PAKIN)
- Arab Contractors Limestone Quarry at highway of Cairo-Alex.
- Arab Contractors Asphalt Mixing plant at fostat zone (Cairo)
- Arab Contractor mechanical workshops at Sandob (Mansoura) and El-Gabal El Akhdar (Cairo)

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**Experience Record:****1- Teaching:-**

- Design of high pressures and low pressures vessel.
- Environmental engineering for post graduate.
- Electro chemical engineering.
- Process control.
- Economics of chemical engineering plants.

**2- Environmental consultation:-**

- Presently :Preparing environmental impact assessment for Beni Suef Cement Factory.
- 2000 Preparing a feasibility study and tender document for industrial wastewater treatment for wattani factory for Marble and Granite and El-Mottaheda Co. for Food Industries, Support of the environmental & technology Companeut of Egypt (eeif) , SEIDA
- 2000 Preparing a feasibility study and tender document for Battery factory, Plastic and electrical industries Co., Alexaundria, project for financing environmental protection in the public sector industry: (KfW) representing the Egyptian environmental offairs agency (EEAA)
- 1999 Training of Environmental inspectors of EEAA in Cairo, Fayoum, Giza , Qolubia Governorates.
- 1998 Preparing of Environmental Compliance Action plans for the Following) Companies.
- Coca Cola for bottling (12 Factories)
  - Industrial Delta (Ideal)(4 Factories)
  - Arab Contractors Of Egypt (5 Plants)
  - Pakin Co for Paints (El-Kobba Factory)

- 1996-1997 Participating in Prescreening/ identification project for the facility for financing environmental protection in the public sector industry: Kreditanstalt fur Wiederaufbau (KfW) representing the Egyptian Environmental Affairs Agency (EEAA). Industrial auditing for tanning, chemical and food companies. Preparing final reports including proposed projects.
- 1 1996 Participating in project of British Overseas Development Administration (ODA) Support for environmental assessment and management” under the national industrial pollution prevention programmer (NIPPP). Industrial auditing for Oil & Soap companies.
- 1995-1996 Participating in project of treatment of liquid, gaseous & solid wastes of El-Nasr Co. for Intermediate Chemicals, Academy of Scientific Research and Technology. Environmental & industrial auditing and Process design including treatment of effluent gases for zinc phosphide plant.
- 1991-1993 Participating in the project of pollution control for the Soda & Salt Co , ElMalya Co; Kafr Elzayat, Egypt. Academy of Scientific Research and Technology, Industrial auditing and implementation of clean technology techniques.
- 1990-1994 Participating in the project of computer based process control for calciner and DC casters of The Aluminum Company of Egypt, Academy of Scientific Research and Technology. Upgrading of existing control loops, identification of set points to maximize the yield of calcified coke used in Electrochemical cells.

**Personal Data :**

*Nationality* Egyptian  
*Date of Birth* 07-10-1959  
*Marital Status* Married  
*Specialization* Structurel design of water structures  
*Position in firm* Structural Department Manger  
*Years with firm* 5 years

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**Education:**

1997 Ph.D. in Civil Engineering – Cairo University and university of Colorado at Boulder. , USA.  
1990 M.Sc. in Civil Engineering – Cairo University  
1997 B.Sc . in Civil Engineering – Cairo University

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**Languages:**

Arabic Mother Tongue  
English Good, (writing, reading, and speaking)

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**Key Qualifications:**

- Design of concert structures.
  - Supervision of different kinds of project.
  - Maintenance of different kinds of project.
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**Experience Record:**

1997 – Present Head of structural Engineering Dept. at Misr Consult  
1995 to 1997 Ph.D. Student at University of colorada at Boulder.  
1985 – 1995 Designer of concreete structures at Dr. Abdallah Abou-Zeid consultant office (prof. Dr. at Ain Shams University)  
1983 – 1985 Designer of concrete structure at Dr. Sabry Saman consultant office (Prof. Dr. Cairo University)  
1983- Present Faculty Staff member of civil engineering at Cairo University

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**PROFESSIONAL EXPERIENCES:**

*Structural Design of Concrete Elements of the following projects:*

**At Egypt:**

- Potable Water Treatment Plant to Supply Al-Sheikh Zayed Communities and Surrounding Areas-6<sup>th</sup> October City, Cairo. The Plant is constructed on 72 Acres. The Treated water produced by the Plant is half million (500,000 m<sup>3</sup> / day), and Irrigation water of (100,000 m<sup>3</sup> / day) to Irrigate 3600 Acres. The Overall Costs of the Plant is 65 million US. Dollars. The Design of Concrete Elements was carried out by using the British Standard Specifications.(BS 8110) and (BS 8007) for :-
  - Groundwater reservoir 75.000 m<sup>3</sup> each (3 – units).
  - Filter plant.
  - Reaction chambers (12 units).
  - Tube settler and other process units and utility buildings of the plant.
- Water supply of 15th May City form El-Tubeen water treatment plant.
  - Pumping station.
  - Groundwater reservoir and all utility units.
- Waste water treatment plant for 19 Cities at Sohag (using oxidation pond system).
- Tendering study for waste water treatment plant at Miraco.
- Water supply and waste water treatment for Sewa City.
- Waste water treatment facility Basins (18000 m<sup>3</sup>) fir Cass water Engineering, Inc. at dream land – 6<sup>th</sup> October City – Cairo.
- Tendering study for south valley development project, Sheikh Zayed Canal, Egypt – Construction of Branch 3 Canal pumping stations.
- Potable water treatment plant 400/30 lit/sec. For El-Baliana – Sohag – Egypt.
- Development of screw pumping stations (1, 2, 3, 4) at Helwan – Cairo.
- Tendering study for waste water and treatment plants for 3 villages at Aswan.
- Hikestep Military City, contains a lot of different kinds of Buildings, Ground Water Tanks, Elevated Tanks (1,000 m<sup>3</sup>), Transformer Stations, Pumping Stations, Power Stations, and Sports stadium and Theater.
- South Sinai Desalination Plant, including 6,000 m<sup>3</sup> Ground Water Reservoir.
- El-Hammam Military City (the same description as the Hikestep City).
- Covered Sporting Halls at Bani-Swief, Kafr-El-Shaikh, and Damanhoor.-.
- Courts Assembly at Alexandria-.
- Courts Assembly at Bani-Swief. -
- Courts Assembly at El-Mahmodia. -
- Police Covered Sporting Halls.
- Workshop Drawings for Swiss Electrical Station according to the ACI code of practice.
- Somoha Shopping, Administration, and Resident Building at Alexandria.
- Movenpick Joli Ville Hotel (Sharm El-Shaikh) (5-Stares Hotel).
- The Meridian Hotel (Hurghada) (5-Stares Hotel).

- Several of Normal Housing Buildings up to 25 floors.
- Marina Village at Hurghada (5-Stares Hotel).
- Many of Waste Water Treatment Plants and Lifting Pump Stations.
- Equipment's Foundation and Utility Buildings of Fertilizer's Factory to Produce Organic Fertilizer from Trash.

**At The United Arab Emirate:**

- Courts Assembly at Doubi.
- General Attorney Building at Doubi.
- El-Zahraa Mosque at El-Sharika.
- Agman Beach Hotel, include large swimming pool and long span halls up to 26 m.
- Many of Residential Buildings for Soltan El-Ewasii, Ahmed El-Mahmood, Sameer El-Mahmood, and Others.

**At Saudi Arabia:**

United Nations Building at El-Rayed City.

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**Personal Data:**

<i>Nationality</i>	Egyptian
<i>Date of Birth</i>	1963
<i>Marital Status</i>	Married with tow children.
<i>Specialization</i>	Consulting Engineer in the field of Water and Wastewater treatment and networks
<i>Position in firm</i>	General manger of Misr Consult
<i>Years with firm</i>	since 1987

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**Education:**

1986	B.Sc. in Civil Engineering (Sanitary Dept.), Ain Shams University , Egypt .
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**Languages:**

Arabic	Mother tongue
English	Good (Writing and Speaking).

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**Key Qualifications:**

Eng. Adel-Abde- Latef is one of the Founder of Misr Consult Firm. He started work with the firm since 1987. He progressed steadily in all position till he became the GM. of the firm. He had became experience in all plumping system design (Water – Sewage – Fire – Gases) plus the experience he had get in Water network, Wastewater networks, Desalination Plant, WWTP due to several projects, he had designed and supervised Eng. Adel Abdel-Latef became a consultant Engineer the field of water and wastewater project in 2001 and he obtainal his license from Egyptian system syndicate

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**Training Courses:**

1. Water and Wastewater Microbiology (National Research Center).
  2. Biological and Chemical Bases for Potable Water Treatment Technology.
- 

**Summary of experience:**

1. Field of tourstic villages : Design and sizing for water network, wastewater networks, fir, irrigation networks, plumping works, underground tanks , desalination plants , wastewater treatment plants (Compact) swimming pool , lakes , and waterfalls such as :
  - a. Lagonavista – Sharm El-Sheikh.
  - b. Golden Five – Redsea .
  - c. Beanki Bech.village - elagamy
  - d. Marhaba – Port saeed

2. Field of hospital  
Design water, sewage, fire work, boiler works and medical gases network.
  - a. Faculty of Dentist.
  - b. Speech and audiobgy institute.
  - c. Tuner institute.
  
3. Field of sport club and Garden  
Design and sizing water, sewage networks pump station, and mechanical works for swimming pool.
  - a. Gezera sporting club.
  - b. Shooting club in Dokki & El-Katamia.
  - c. Rihab Club.
  - d. Student Housing (Cairo University)
  
4. Field of Networks and Plants  
Design and sizing water networks, sewage networks, pump station, wastewater treatment plants and desalination plants for several projects.
  - a. Riviera Project – Taba.
  - b. Golden Cost – Taba.
  - c. ABO-El-Nomras houses projects
  - d. (Baloza – Romana) project – El Aresh.
  
5. Field of General Building and factories  
Design Water, sewage and fire network.
  - a. El-Nasr Company for Automotin industry.
  - b. Basco Misr project.
  - c. Kader factory project.
  
6. Design and develop plumping works and fire system for numerous residential buildings and private villas.
  
7. Work at (IMC) in these project:
  - a. El- Dikhela Harbor.
  - b. Safaga Harbor.
  - c. Tenany transfer project.
  - d. Small industries allocation in many cities.

**Personal Data:**

Nationality	Egyptian
Date of Birth	07-10-1955
Marital Status	Married
Specialization	Sanitary Engineer
Position in firm	Head of Mechanical Eng. Dept.
Years with firm	since 1995

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**Education:**

1983	B.Sc. In Mechanical Eng., Helwan University, Cairo, Egypt
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**Languages:**

Arabic	Mother Tongue
English	Very Good

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**Key Qualifications:**

20 years experience in the filed of Mechanical Engineering and Management. Specialist in installation, operation and maintenance of potable water and wastewater projects. Eng. Ali Mori has also special interest in supervision all mechanical works

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**Career Record :**

1995 to present	Head of Mechanical Engineering Department of Misr Consult
1985 to 1995	Consulting Engineering Bureau Utilities.
1984 to 1996	Consulting Engineering Talaat – Emam .
1983 to 1985	Mech. Elect. Engineer in 6 October City .

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**Experience Record:**

1995 - Now	With Misr Consult as a Mechanical Engineer managing director for sewage and sewerage system team leader and mechanical specialist for water and wastewater projects. Responsible for detailed design and specifications of the mechanical and electrical works of the following.
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1. Wastewater project of El Gharbia (15 Cities & Villages ).

2. Rehabilitation and expansion of wastewater system of Damietta City.
3. Sohag-Governorate projects.
  - a. Sewage treatment plants for
    - i. Gohina & El-Maraghh.
    - ii. El-Monshah & Awlad Hamza
  - b. Wastewater System for
    - i. Gohina City
    - ii. El-Maraghh City
    - iii. El-Monshah City
    - iv. Awlad Hamza City
4. Extention of Helwan wastewater project (Second Stage) for pumping station No. (1) And lifting station Nos. 2 , 3 & 4.
5. Water supply project for 15<sup>th</sup> May City (New Booster Pumping Station).
6. Wastewater system & Water supply and lifting pumping stations) 15 P.S. of Siwa City.
7. Wastewater system & Water supply and lifting pumping stations for old Eastern Qantara City.
8. Rehabilitation and expansion of wastewater system of Ktamiyah District.
9. Water supply project for 240 Villages in Egypt with potable water. [Aswan Governorate]
10. Water supply system for El-Edwa and Maghagha in El Menia Governorate.
11. Wastewater project for Kafer El-Dwwar.
  - a. El-Akrisha
  - b. Antanyados.
  - c. El-Sanahra.
  - d. Sedy Shhata.
  - e. Sedy Ghazey.
12. Wastewater projects of Moot in El-Wady El-Gedid.

1985-1995

With Consulting Engineering Bureau (Utilities).

Participation in the mechanical and electrical equipments and O & M of the following projects.

- Urgent Alexandria wastewater project including rehabilitation of pumping station and new out Falls.
- Rehabilitation and expansion of wastewater system of Damietta city.
- Wastewater project of port-Said city Zone “22”.
- Water and wastewater system for Massara Telephone Equipment Factory.
- Wastewater project at 6<sup>th</sup> of October City.
- Intak raw water pump station to 6<sup>th</sup> October water treatment plant.

- Rehabilitation and expansion of wastewater system for Damanhour City.(10 p.s & Treatment plant=150000 m3/day)
- Balax village wastewater area at Minya.
- Rehabilitation of treatment plant for industrial disposal at El-Nile Company for Matches at Imbaba Zone.
- Benha new wastewater treatment plant (Q= 120000 m3/day).
- Rehabilitation and expansion of wastewater system for Benha City.
- Industrial disposal system for Alexandria Oil Soap Company.
- Wastewater project of Sewaz City ( 2 main p.s ).
- Wastewater project of Ismaalia City ( 2 main p.s ).
- Wastewater project of Tama , Gharb El-balad of Sohag-Governorate

1984-1986

With Consllting Engineering Talaat – Emam as part time  
Participation in the mechanical and electrical projects of the following projects.

- Wastewater project for 45 village in each of (Kafr El-Sheikh, El Monophia , El Sharkia , El Tel El Kebier , Zefta and Minia Al Kamh.)
- Irrigation pumping station in Dream Land at 6<sup>th</sup> Octcber City.
- Participation of information collection for the Danemark aed project for developpment of the comact potable water stations at some Vallages of El Auxur City.

1983-1985

Maintenace Engineer in Textile Factory.  
Managing director in German Company for Agriculture and chemistry.

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**Personal Data:**

Nationality	Egyptian
Date of Birth	1/6/1969
Marital Status	Married
Specialization	Electrical Engineer
Position in firm	Head of Electrical Eng. Dept.
Years with firm	since 2002

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**Education:**

1992	B.Sc. in Electrical Engineering (Power Dept.), EL Mansoura University
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**Languages:**

Arabic	Mother Tongue
English	Very Good

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**Key Qualifications:**

Eng. Mohamed is an expert in the field of electrical engineering. He works for 12 years in infrastructure projects (electrical works; low voltage & medium voltage networks -lighting control management – pump stations – WTP-WWTP). Currently, he is the senior of the electrical department in Misr consult

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**Experience Record:****Period From July 2002 Till Now :****Misr Consult (Dr. Sameh A. EL Gawad)****Position :**

Senior Electrical engineer.

**Projects :**

- Al Azhar Park  
Low voltage & medium voltage networks  
Lighting control Management
- Beverly hills shop drawing for medium and telephone networks.

**Period From November 1999 To July 2002 :**

**ASEC AUTOMATION**

Position:

**Senior Electrical Engineer**

Projects:

-Sinai White Cement Factory:

Lighting, Earthing , Lightning , Telephone ,Fire alarm system .

-Assuit Cement Factory Revamping:

Instrumentation & Digital System Design

Panel Design and testing.

Commissioning

-Helwan Cement Factory Revamping:

Instrumentation & Digital System Design

Panel Design and testing.

**Period From November 1995To November 1999:**

**Arab Consulting Engineers (Moharram Bakhoum)**

Position:

Electrical Design Engineer (Periodical Supervision – Primary and Secondary  
Hand over of Projects Testing of Equipments In factory )

Projects:

-An Educational Academy For Girls (In Qatar)

-Development of Egypt Air Workshops.

***-New Delta ,Zifta,EL Rayah El Memoufy Lock Revision of Electrical  
and Control documents.***

-Kafr Thaha Pumping Station.

-Marriot Fish Farm.

-Lighting Design For Ring Road Cairo.

-Development of Monumental Mosques in Cairo.

-Sidi Krir Power Plant Auxiliary Buildings

-Low Voltage network for Egyptian Cement Factory.

-El Gezera medical Center In Quarter.

- Electrical Design for 72 City&Village pumping station project.
- Medium and low Voltage network for Farida Touristic village in EL Ain EL Sokhna.
- Multipurpose Center for syndrome Children's in Gaza.
- Preparing Specification and Tender B.O.Q for New Naga Hamady Barrage.

**Period from May 1995 To November 1995:**

**Ridico for engineering and Contracting**

Position :

Electrical Site Engineer

**Period From October 1992 To May 1995:**

**Army Forces**

Position:

Electrical Site Engineer

**Private:**

Matrouh Hospital Electrical Design

EL Ghanayem Hospital Electrical Design

Dar EL Shefa Hospital Upgrading In Cairo

**Skills:**

- AutoCAD 12,14 & 2000
- Computer Programs for lighting Calculation indoor, streets and area lighting.
- Computer programs for Calculation of voltage Drop , Short Circuit ,Cable Capacity and Circuit Breaker Selection.
- Micro Soft Office.