

Dr. Ashraf Nasr Sayed

EDUCATION

1974-1979 **Bsc.**, Cairo University, Giza, Egypt

Degree Received, July 1979

Area, Civil Engineering

Rank, 4/625

1981-1983 **Msc.**, Cairo University, Giza, Egypt

Degree Received, October 1983

Area, Civil Engineering (Photogrammetry)

Thesis: " Effect of Refinements of Photo Coordinates on the Accuracy of
Transformation Parameters "

1984-1990 **Ph. D.**, Purdue University, West Lafayette, IN, U.S.A.

Degree Received, August 1990

Area, Civil Engineering (Photogrammetry)

Dissertation, " Extraction and Photogrammetric Exploitation of Features in
Digital Images"

ADVANCED LEVEL COURSE WORK:

Photogrammetry, Data Adjustment, Geodesy, Analytical Photogrammetry,
Spatial Information Systems, Time Dependent Sensors, Remote Sensing,
Digital Image Processing, Random Variables and Signals, Statistical Methods,
Computer Graphics

WORK EXPERIENCE

1979 - 1984

- Instructor, Cairo University, Egypt
- Instructed undergraduate courses in Land survey, Photogrammetry, and Geodesy
- Finished graduate courses requirements for the Master degree in photogrammetry and conducted research for the thesis
- Conducted several practical projects in a consulting office in the field of land surveying and structural engineering

January 1988 -1990

- Research Fellowship, Purdue University
- Thesis research on the investigation of several problems in digital photogrammetry; one problem involved extracting high precision information from digital images. Another area of research involved image matching using digital images in which several techniques in digital image matching were investigated. Also, the problem of photogrammetric reduction of matched linear features using digital images was explored

January 1989- May 1990

- Research Associate, School of Civil Engineering, Purdue University.
- Conducting research on the development and implementation of using linear features in the process of photogrammetric reduction on digital images

Summer 1990

- Teaching Assistant, School of Civil Engineering, Purdue University

September 1990 - Present

- Deputy director, Research & Studies Center of Civil Engineering, Faculty of Engineering, Cairo University, Giza, Egypt
- Assistant professor, Public Works Dept., Cairo University Giza, Egypt
- Visiting professor, Faculty of Engineering, United Arab Emirates University, Al-ain United Arab Emirates
- Teaching several graduate and undergraduate courses in Surveying, Photogrammetry, Geodesy, Analytical Photogrammetry, Data Adjustment, Geographic Information Systems, and Digital Image Processing
- Conducting several practical projects as a member of a consulting team in the field of Land Surveying, Mapping, and Highway Engineering
- Consultant in the Egyptian Survey Authority
- Consultant in Global Geobits-Egypt for geographic Information Systems
- Consultant in Arabian Geoinformatics, Dubai, United Arab of Emirates

- Participating in many workshops and training programs for several Governmental Authorities such as Military Survey Department, Egyptian Survey Authority, and Civil Aviation Authority
- Performing several mapping projects in different parts of Egypt and outside countries such as:
 - Detailed mapping of Cairo University campus, Cairo (1997).
 - Detailed mapping of Cairo University new location, in 6 October City, Giza governorate (1998).
 - Map Production of scale 1:1000 for city of Siwa for an area of 6300 feddan (1998).
 - Planimetric and topographic surveying for Power Plant station at Safaga and Quena for watershed protection (1998).
 - Topographic mapping for project Shabab 2, 10th of Ramdan City, Sharkia governorate (1999).
 - Field surveying for city of Isna for agricultural drainage (2000).
 - Topographic mapping of the Faculty of Agriculture location, Cairo University in 6 October city, Giza governorate (2000).
 - Topographic mapping of the Faculty of Veterinary location, Cairo University in 6 October city, Giza governorate (2000).
 - Map production of of scale 1:1000 for city of New Borg Elarab for an area of 50000 feddan (2002).
 - Precise surveying monitoring system for Mar Girgis Church, Cairo (2002-2003).
 - Precise surveying observations for Bibliothica Alexandria (2003).
 - Topographic map production of scale 1:1000 for some locations in Northern Sinai for rain water reservoir (2003).
 - Detailed mapping of Faculty of Engineering new campus, Cairo University in Elsheikh Zaied City, Giza governorate (2003).
 - Map production of scale 1:1000 for city of Mubarak in Quesna, menoufia governorate (2003).
 - Surveying of profile for sweage line in Elmoquattam (2003).
 - Surveying for 77 hospitalized units in menoufia governorate (2003).
 - Topographic mapping of land reclamation around Elsheikh Gaber Canal, Northern Sinai governorate (2002).

- Topographic mapping of the Faculty of Agriculture location, Cairo University in Wadi Elnatroon, Behaira governorate (2003).
- Surveying layout of 730 land parcels, City of new Asiout (2004).
- Topographic mapping for the new campus, Cairo University in Elsheikh Zaiied City, Giza governorate (2004).
- Topographic mapping for 250 fedan in the area of the Baharia Oasis (2004).
- Topographic mapping for 450 fedan of Eastern Company, 6 October City (2004).
- Topographic mapping of land reclamation of 250 Feddan in Elwahat Elbaharia, Giza governorate (2004).
- Map production of scale 1:1000 for 3000 fedan in the area of Haram, City of Cairo (2005).
- Topographic map production of scale 1:1000 for 700 fedan in the City of New Cairo (2005).
- Bathemetric Survey for the navigation canal between the City of Port Saied and the City of Mataria (2005).
- Topographic map production of scale 1:1000 for 6 October Airport (2005).
- Detailed mapping of Military Academy Stadium (2005).
- Detailed mapping of Petrous Touristic vilage, Sharm Elsheikh City (2005).
- Precise surveying monitoring system for Karnak & LUXOR Temples (2005).
- Precise surveying measurements for the manufacturing of the steel alidad supporting a satellite receiving dish for DSD ferometalco company (2005-2006).
- Map production of scale 1:1000 for most of the City of Tripoli, Lybia (2006).
- Base map preparartion for the feasibility study of the reuse of wastewater of Abu Rawash Wastewater Station to reclamation of 100,000 feddan in the desert (2007).
- Field surveying, GPS measurements for control points and data collection for several farms and forestry area in Abu Dhabi, United Arab of Emirates (2007).
- Surveying layout of 2100 land parcels, City of new Bani Sweif (2008).
- Detailed surveying for 750 fed. near Kafr Dawood, Elbehira governorate in order to upgrade the irrigation system for west delta area (2008).
- Detailed surveying for Al Ain Hospital, Al Ain, United Arab of Emirates (2008).
- Topographic surveying of the new desert toll road in the eastern side of Nile Valley between Benisuf governorate and Asyut governorate (2009).

- Detailed and Topographic surveying for Alselsela Algadida Pumping Station in KomOmbo City, Aswan governorate (2009).
- Topographic surveying of Wadi El-Arish in order to protect the City of El-Arish from watershed, North Sinai governorate (2010).
- Topographic surveying of the suggested route of the canal between Bahr El-Wadi and Bahr El-Bakkar, Fayoum governorate (2010).
- Topographic surveying of the suggested routeo 30 km between Nasser Lake and the suggested location of a new city for Noubians in Wadi Karker, Aswan governorate (2010).
- Detailed surveying for MADAM City, Sharjah, United Arab of Emirates (2010).
- Detailed surveying for ALULA heritiage city, north of Al Madina Al Monwara, Kinkdom of Saudi Arabia (2010).
- Detailed and topographic surveying for the extension of Marsa Alam Airport, Marsa Alam, Red Sea governorate, (2011).
- Detailed and topographic surveying for the extension of Al Obour City, (2011).
- Detailed and topographic surveying in order to protect Minya Power Station Plant from watershed, New Minya, Minya governorate, (2011).
- Detailed and architectural surveying for Bani Ebied Sporting Stadium, Al-Dakahlia governorate, (2011).
- Detailed and topographic surveying for Binban Pumping Station, Aswan governorate (2011).
- Detailed and topographic surveying for Pyramids Heights Compound, Cairo-Alexandria Desert Road, Giza governorate (2011).
- Detailed and topographic surveying for AL-DHAID City, Sharjah, United Arab Emirates (2011).
- Detailed and topographic surveying for Jazierah Youth Center, Cairo governorate, (2012).
- Detailed and architectural surveying for Bani Sweif Sporting Stadium, Bani Sweif governorate, (2012).
- Detailed and architectural surveying for Kafr El-Sheikh Sporting Stadium, Kafr El-Sheikh governorate, (2012).
- Detailed and architectural surveying for Ismailia Sporting Stadium, Ismailia governorate, (2012).

- Detailed and architectural surveying for School of talented sportives, Ismailia governorate, (2012).
- Detailed and topographic surveying for KALBA City, Sharjah, United Arab Emirates (2012).
- Detailed and topographic surveying for KHOFAKKAN City, Sharjah, United Arab Emirates (2012).
- Detailed and topographic surveying for DIBA City, Sharjah, United Arab Emirates (2012).
- Detailed and architectural surveying for the buildings of the Faculty of Science, Cairo University, Egypt (2012).
- Detailed and architectural surveying for the building of As-Salam Hospital in Maadi, Cairo, Egypt (2012).
- Detailed and topographic surveying for Egypt – Japan University of Science and Technology in New Borg Al-Arab City, Egypt (2013).
- Topographic surveying for several Power Plant Projects in Egypt (2015-2016).
- Sewage and water supply projects which includes planimetric and topographic map production for the following Cities and villages:
 - Sewage project for Kafr Essam and Kharseet villages in Tanta, Gharbia governorate (1999).
 - Surveying of profile for sweage line in Quatamia for 17 km (2000).
 - Surveying of profile for sweage line in Ras Mattarma, Ras Sedr (2000).
 - Surveying of profile for watre supply of city of Elhamool, Kafr Elsheikh governorate for 30 km (2002).
 - Sewage project for shalshlamon village, El Sharkia governorate (2002).
 - Sewage project for Harbeet village, El Sharkia governorate (2002).
 - Sewage project for Kafr Elhemma village, Zefta, Gharbia governorate (2002).
 - Sewage project for Manial Elhoysat village, Zefta, Gharbia governorate (2002).
 - Sewage project for Kafr Elshorbagi, Zefta, Gharbia governorate (2002).
 - Sewage project for Nahttai village, Zefta, Gharbia governorate (2002).
 - Sewage project for Meet Khalaf village, Shebeen Elkoam, Menoufia governorate (2002).

- Sewage project for Mosailha village, Shebeen Elkoam, Menoufia governorate (2002).
- Sewage project for Shobra Bas, Shebeen Elkoam, Menoufia governorate (2002).
- Sewage project for touristic village in city of Hurgada, Red Sea governorate (2002).
- Sewage project for Meet Massoud village, Agga, Dakkahlia governorate (2002).
- Water supply project for Markaz Bani Mazar, Elmenia governorate (2002).
- Water supply project for Markaz Eladawi, Elmenia governorate (2002).
- Water supply project for Enabis village, Guhaina, Sohag governorate (2002).
- Water supply project for Markaz Edfo, Aswan governorate (2002).
- Sewage project for Shobra Shehab village, Quanater, Kaluobia governorate (2002).
- Sewage project for Kafr Elshorafa village, Quanater, Kaluobia governorate (2002).
- Sewage project for Elnasseria village, Sammnoad, Gharbia governorate (2003).
- Sewage project for Abo Sair village, Sammnoad, Gharbia governorate (2003).
- Sewage project for Tolaima village, Sammnoad, Gharbia governorate (2003).
- Sewage project for Elkhatatba village, Elsadat, Behaira governorate (2003).
- Sewage project for Kafr Dawood village, Elsadat, Behaira governorate (2003).
- Sewage project for Elsawaaf village, Koam Hamada, Behaira governorate (2003).
- Sewage project for Sengerg village, Menouf, Menoufia governorate (2003).
- Sewage project for Abo Tesht village, Sohag governorate (2004).
- Sewage project for Awlaad Saboor village, Elmattaryea, Dakkahlia governorate (2004).
- Sewage project for Borg Noor Elhomos village, Dakkahlia governorate (2004).
- Sewage project for city of Wadi Elnatroon, Behaira governorate (2004).
- Sewage project for Moshaiet Shenwan vilage, Menoufia governorate (2004).
- Sewage project for 6 vilages in Elmahalla Elkobra, Gharbiah governorate (2004).
- Sewage project for Elezab Albahriah in El Sharkia governorate (2004).

- Sewage project for Elshabanat vilage, El Sharkia governorate (2004).
- Sewage project for Serabium vilage, Alismailia governorate (2004).
- Water supply project for Sharm Elsheikh City, Southern Sinai governorate (2004).
- Water supply project for Eltour City, Southern Sinai governorate (2004).
- Water supply project for Raas Sedur City, Southern Sinai governorate (2004).
- Storm water protection for the City of Dahab, Southern Sinai governorate (2004).
- Storm water protection for the area of Mina, the City of Mekkah, Saudi Arabia (2004).
- Storm water protection for the City of Riyadh, Saudi Arabia (2005).
- Sewage project for Nagaa Hammadi vilages, Quina governorate (2005).
- Sewage project for Abu Tesht vilages, Quina governorate (2005).
- Sewage project for Farshut vilages, Quina governorate (2005).
- Sewage project for Quos vilages, Quina governorate (2005).
- Sewage project for Elfoadia vilages, Elbehierah governorate (2005).
- Sewage project for Edsa vilages, Elfayom governorate (2005).
- Water shed protection for the City of Dahab, Southern Sinai governorate (2005).
- Sewage project for Bani Helal vilage, Aswan governorate (2007).
- Sewage project for El-Sad El-Aali vilage, Aswan governorate (2007).
- Sewage project for Bassteel vilage, Giza governorate (2007).
- Water supply project for Elherafeen City, Giza governorate (2007).
- Water supply project for Helioplice El-Gedida City, Great Cairo governorate (2007).
- Sewage project for the city of Baragil, Imbaba, Giza governorate (2008).
- Sewage project in New Badr city (2008).
- Sewage project for some villages in shoubra Elkhaima, Qalyobia governorate (2008).
- Sewage project for 5 villages in Itay Elbaroud, Elbehira governorate (2008).
- Sewage project for 3 villages in Itay Nag Hammadi, Qina governorate (2009).
- Sewage project for 14 villages in Luxor and Qina governorate (2009).
- Water and sewage project for 10th Ramadan City Extension, (2011).

- Sewage project for 21 villages in Desoq District and Motobas District, Kafr El-Sheikh governorate (2012).

- Dilapidation Survey for monitoring buildings during water dwelling for swage projects:
 - Dilapidation survey for Elshobak Elsharki village, Giza governorate (2001-2002).
 - Dilapidation survey for District of Elkahera Elfatemia, Cairo (2003).
 - Dilapidation survey for District of Elmarg, Cairo (2003-2005).
 - Dilapidation survey for District of Mansheit Nasser, Cairo (2003-2007).
 - Dilapidation survey for the village of Bashteel, Imbab, Giza governorate (2008).
 - Dilapidation survey for the village of ElGalatma, Qalyobia governorate (2008).
 - Dilapidation survey for the area of sphinx and sound and light zone, Giza governorate (2008).
 - Dilapidation survey for Ismail Pasha Al-Mofatish, Lazoghli district, City of Cairo (2009).
 - Dilapidation survey for Suez Canal Headquarters in the City of Port Saied (2016).
 - Dilapidation survey for tens of governmental and private buildings all over Egypt (... – 2017).