

Holds a B. Sc. in Civil Engineering and has more than 28 years' experience in Infrastructure in Civil and Mechanical drawings (Draftsman), Advanced AutoCAD application for shop drawings, construction drawings, As built drawings and design.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 10/05/1973  
Gender : Male  
Residence : Cairo

## **EDUCATION**

- : B. Sc. in Civil Engineering, Giza Institute for Engineering & Technology, 2017
- : Educational Faculty, Industrial Section, Tanta University, 2002
- : Institute of Architectural Cairo Studies (Drainage & Plumbing Section) (5 years), Cairo, 1993

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : BIM Infrastructure
- : HYFRAN Plus
- : GIS
- : Google Earth and Global Mapper
- : HEC Package (HMS and RAS)
- : Hydraulic Toolbox and HY-8
- : Bentley Package (Storm CAD, Sewer GEMS, Culvert Master and Flow Master)
- : WMS
- : AutoCAD Civil 3D

## **TRAINING COURSES AND CERTIFICATIONS**

- : AutoCAD Civil 3D (Autodesk 2017).
- : Health & Safety Drainage Activities (2007 - Expert Group WII - Qatar).

# CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2011 till now
- Employer** : Khatib & Alami - Consolidated Engineering Company & KAWSP Joint Venture Office, Cairo (Environmental Department)
- Projects** :
- Projects in Saudi Arabia:
    - Turquoise, Saudi Oger-Al Riyadh, Abu Arraghamah in southern Jeddah & National Guard-Riyadh (Senior Engineer):
      - Perform the preliminary site assessment of the due diligence for Turquoise, the area reached to 500 km, the Abu Arraghamah in southern Jeddah" with approximate area of 11 Km & Saudi Oger site with area of approx. 0.48 Km. The due diligence is required to establish the appropriateness of the site and to highlight the issues or challenges that may arise and to quantify at the highest level those that have potential cost and time impacts. It is envisaged that the preliminary site assessment due diligence will aid the master planning and future infrastructure design.
      - Prepare hydrology study, drawing with showing any site features should be considered such as drainage, wadies, channels, dams, rain water courses, slopes & catchment areas, ...etc. Describing existing and future weaknesses, threats and the treatment plans.
    - Buridah Storm Drainage and Micro Tunneling from Buridah Lakes up to Wadi (Project Coordinator in Saudi Arabia):
      - Project Coordinator between main contractor, Designer and Municipality. Reviewing & arranging required documents as per Amana Procedures.
      - Project consists of Transferring of Water between 3 lakes (ALMASHTAL Lake which is 125,316 m<sup>2</sup>, ALNAQAA Lake which is 209,272 m<sup>2</sup>, SAKAN ALOMAL Lake which is 49,705 m<sup>2</sup>) with a balancing line between them with Three Main Pump station and 10 km Micro Tunneling 3.5m dia. Pipe line up to Wadi ALROMA.
    - Design of water pipe networks for Tenda ha, Toreeb and Al-Wadien (Senior Engineer):
      - Design of and studies for water pipe networks in Tendaha, Toreeb and Al-Wadien including all required sites for concrete tanks, steel tanks, elevated tanks, and pump stations in addition to required transmission pipelines.
      - Hydrologic and hydraulic analysis including the catchment's characteristics and peak flow estimation.
      - Preparation of the Hydrologic and hydraulic design reports.
      - Preparing specifications and bills of quantities and method of measurements.
      - Protection of sites from flood.
    - Design of water pipe networks for Al-Namas, Tanouma and Belqarn Governorates (Senior Engineer):
      - Design of and studies for water pipe networks in Tendaha, Toreeb and Al-Wadien including all required sites for concrete tanks, steel tanks, elevated tanks, and pump stations in addition to required transmission pipelines.
      - Hydrologic and hydraulic analysis including the catchment's

- characteristics and peak flow estimation.
  - Preparation of the Hydrologic and hydraulic design reports.
  - Preparing specifications and bills of quantities and method of measurements.
  - Protection of sites from flood.
- Obhor Site – Jeddah (Senior Engineer);
  - Obhor site is located in north of Jeddah and located at 40 Km from Jeddah center. The site total area is about 4,000,000 m<sup>2</sup> (400 hectare) The scope of work consists of preparing detailed design and tender documents for the Infrastructure Works (Roads, Traffic & Transportation, Potable Water Network, Sewage network, Electrical Networks, Flood Mitigation, Storm Water Drainage and subsurface drainage for the developers.
  - Planning the project, Designing Storm water Drainage Systems, Subsurface drainage system and Force main, Solving Clashes between Storm and other utilities and coordinate with other disciplines.
- The project includes planning and development at Asser and Al-Baha regions separated into various sites with design of all required utilities (Design Engineer):
  - Hydrologic and hydraulic analysis including the catchment's characteristics and peak flow estimation.
  - Design of culverts and storm water drainage networks, and linking it to the surrounding sites.
  - Preparation of the Hydrologic and hydraulic design reports.
  - Identify flow directions on local and main roads and check of water spread.
  - Bill of quantities preparation.
- Basra governorate full infrastructure project (Zubier, Qarna, and Tuba) IRAQ (Senior Engineer):
  - The project contains large areas in Basra (Qurna, Zubair and Naft). It is bounded by Shatt Al Basra, Tigris and Euphrates River. The scope of work consists of preparing detailed design and tender documents for the Infrastructure Works (Roads, Traffic & Transportation, Potable Water Network, Sewage network, Electrical Networks, Flood Mitigation & Storm Water Drainage Telecommunications, Street Lighting and Landscaping) of the development area.
  - Planning the project, Designing Storm water Drainage Systems and Force main, Solving Clashes between Storm and other utilities.
- Design of new urban communities all over the kingdom to accommodate the numerous population growths tendered by Ministry of Housing:
  - XD1301-Khamis Mushayt city projet with area about 88 hectares.
  - XD1306-Rejal Almaa city projet with area about 49 hectares.
  - XD1309-AL Qwarir city projet with area about 30 hectares.
  - XD1304-AL Khawareem city projet with area about 60 hectares.
- Other Projects in Saudi Arabia:
  - Al Taif water master plan (Design of water networks, transmission lines, water and wastewater treatment plant sites located within Al Taif area).

- Jazan Water System at Saudi Arabia (Design of water networks, transmission lines located within Jazan area).
- Maraba Water Treatment Plant Expansion & Transmission Line at Saudi Arabia (Design of water treatment plant and transmission lines located within Maraba area).
- Design of Hail Villages Comprehensive Water Project at Saudi Arabia (Design of water networks, water tanks and transmission lines located within Hail area).
- Projects in Qatar:
  - Qn001 Development of Roads and Infrastructure in Al-Shamal (Qatar) (Roads and Infrastructure Improvements for 908 Hectares, incorporating Residential, commercial, industrial and Government, plots, in addition to Schools, Mosques, clubs and health centers, also regulate Traffic Movements and Parking, provision of Foul and Surface Water Drainage, in addition to improved pedestrian, Traffic Safety, streetscape and urban environment).
  - Qn003 Development of Roads and Infrastructure for Commercial Street in Al Khor Area (Qatar).
  - Qn008 - Access Roads to Al Khor Beach (Qatar).
  - Qn086 - Design of Al Moroona Road (Qatar) (Al Moroona Road proposed to be a new road about 5.7 km and connects Al Shamal highway service road in the west with Al Moroona Coastal area in the east, Al Moroona Road proposed to be a rural road with treated sewage effluent main for future landscaping policy).
  - Qn021 - Development of Roads and Infrastructure in Ain Snan City (Qatar) (Roads and Infrastructure Improvements for 85 Hectares, incorporating Residential, commercial, industrial and Government, plots, in addition to Schools, Mosques, clubs and health centers, also regulate Traffic Movements and Parking, provision of Foul and Surface Water Drainage, in addition to improved pedestrian, Traffic Safety, streetscape and urban environment).

**Job title** : Design Engineer (Stormwater & Drainage)

**Dates** : From Jun. 2006 till 2011

**Employer** : GHD Global Pvt Ltd, Doha – Qatar

- Projects** :
- Area 456/1 Sewer House Connections at Muraikh, Doha – Qatar
  - Multipurpose Hall Civil Infrastructure
  - 30 Storey Residential Tower – Mechanical
  - Fair Green Intern'l - NDIA Landscape Design
  - Raha Gardens (Detailed Design)
  - C700 Catchment Flow Supervision
  - EIC 0546/D4 Design of Umm Salal Phase 3
  - Civil Maintenance Work for Kahramma
  - WestBay Resort (Design)
  - Office Tower at New Doha

**Job title** : Senior Technician (Water and Infrastructure)

**Dates** : From Aug. 2004 till Jun. 2006

**Employer** : Arab Consulting Engineers (Moharram–Bakhoum)

- Projects** :
- Maritime lock extension (River Transportation Authority)
  - Development of irrigation rice production scheme

**Job title** : • Yanbau City Bridge, Kingdom of Saudi Arabia  
 : Senior Technician

**Dates** : From Mar. 2003 till Jul. 2004  
**Employer** : Saad Trading and Contracting Company (Kingdom of Saudi Arabia)  
**Projects** : • Beautification Job at University Campus – King Abdul Aziz University, Jeddah  
 • Primary Academic Square Bldg. – King Abdul Aziz University, Jeddah  
 • Storm Water Drainage – Various area at Jeddah City Proper  
 • Open Channel Drainage – Industrial Area, Jeddah  
 • Kindasa Water Plant – Islamic Seaport, Jeddah

**Job title** : Senior Technician  
**Job Description** : Mechanical and Architecture Workshop drawings.

**Dates** : From Aug. 1998 till Mar. 2003  
**Employer** : Arab Consulting Engineers (Moharram–Bakhoum)  
**Projects** : • Mubarak TV Studio Complex, Media Production City (STRUCTURAL)  
 • Enhancement & Developing Sanitary Ulaste at El-Kahera El-Fattemia  
 • Artificial Lake at Farida Touristic Resort  
 • Rayah El Menofy Navigation Lock and Barrage  
 • Diverted El Eslah Irrigation Canal at El-Gabal El-Asfar WWTP  
 • Quoshisha Aquiduct at Ibrahimia Channel  
 • Abbasi Channel New Barrage  
 • New Esna Navigation Lock  
 • Hydraulic Study for the Dualigation of El Teen Road at Oman  
 • Qanater New Water Treatment Station  
 • Nakivubo Channel Rehabilitation (Oghanad)  
 • 45 Corridor Miami Tunnel to International Coastal Road  
 • El-Westany Drain Culvert at km (1.60)  
 • Gabal El Asfar Wastewater Treatment Plant  
 • CONTRACT 16/1 EXTEN. OF 3 PIPES PROJ. DIVERSION  
 • Le Meridien Hurghada Resort and Complex Phase – Hotel, storm drainage Protection  
 • Extention in Abou Homs Water Treament, Abou Homs City, El-Behera Government  
 • Upgrading of Ali Maher Corridor, preparation of Plans & Profiles  
 • Protuction & Scour analysise for (Al Maknamir Bridge) AL SUDAN  
 • Rehabilittitation of (Axim-Elubo Roa) GHANA  
 • Studying of Development the Five channels Irrigation Network in the Upstream Area of Orontes Basin (SYRIAN ARAB REPUBLIC)  
 • Development of Irrigated Rice Production Schemes Two type Pump station – Tidal Irrigation (GHAMBIA)

**Job title** : Senior Technician

**Dates** : From Jul. 1997 till Jul. 1998  
**Employer** : October for Development and real estate investment Co. (O.D.I)  
**Job title** : Senior Technician

**Job Description** : Worked in the preliminary working drawings of the different types of El Nassayem Project at 6th October City this includes architectural structural, sanitary and electrical drawings and also I made a model of the project.

**Dates** : From 1994 till 1997

**Employer** : Arc Design & Consulting Engineering

**Job title** : Supervisor

**Job Description** : Participation in the Supervision of Construction for the following projects:

- The Raising of a Residential Building at District No.7 in Dinet Nasr.
- The Finishing of the Applied Syndicate in Damanhour.
- The Raising of the Applied Syndicate in Giza.
- The Finishing of the Gamasa Buildings belonging to the Applied Syndicate.
- Green Touristic Village at km (75), the North Coast.

**Dates** : From Oct. 1994 till Jul. 1994 (part time)

**Employer** : Mohamed Rashad Office

**Job Description** : Worked in the Preliminary Working Drawings of many Housing Projects for example the project at Khan Younes, Gaza - where I worked in the Architectural Drawings.

**Dates** : From Apr. 1994 till Oct. 1994 (part time)

**Employer** : Consultant Eng. Office Cemac

**Project** : Technical Collage in Saudi Arabia

**Job Description** : Design Drawing for HVAC.

**Field of experience** :

- Key player in the technical team of the Grant Land Projects, in which K&A was awarded "Best Consultant of the Year 2019" by the Ministry of Housing, KSA.
- Hydrology design of highways, interchanges and road networks.
- Design of Culvert, Wadi Bridges, Ditches and Diversion Channel.
- Preparing specifications and bills of quantities and method of measurements.
- Protection of sites from flood.
- Modeling of Storm Sewers.
- Construction Project Coordinator in Saudi Arabia (Project Coordinator between main contractor, Designer and Municipality), Reviewing & arranging required documents as per Amana Procedures.
- Site supervision including site inspection, checking as built drawings, fixing clash between disciplines, stakeholder management with client/contractors.
- Competency:
  - Detailed Design & Review.
  - Time Control.
  - Effective Communication.
  - Project Reporting.
  - Quality Assurance.
  - Innovation.

- Cost Control.
- Project Management.