

**NAME** : MUTASIM ELHASSAN MOHAMED.

**Date of Birth** : 1939.

**Position in Firm** : Partner.

**Education** : BSC (ENG) University Of Khartoum, 1965  
 MSC (Irrig) University Of Southampton, UK, 1968  
 MICE

**Profession** : Irrigation Engineer.

**Years with the Firm** : 20

**Membership of Professional Societies** : Member of the Institution of Civil Engineers. UK.  
 Member of the Sudanese Engineers Society.

**Key Qualification** :  
 He has a vast experience in design of irrigation projects inside and outside the Sudan. Inside the Sudan he participated in design of major irrigation projects, Rahad (300000) Fed. Outside the Sudan he designed 7000 acres in Tanzania and 1000 Hectares in Senegal. He was project Manger for several projects and participated in various feasibility studies and rehabilitation of irrigation projects.

**Record of Experience** :

**1981 to date** : **Associated Consultants & Partners**  
 Consulting Engineers

**2002 to date** : Project Manager National Capital Electricity Project (Second Circuit) The work comprise construction of 14 Km. Line and 110 Kv. Substation at Farouk.

**1997 -2000** :Chief irrigation engineer for Techno-Economic Study for an agricultural and livestock project of an area of (300000) Fed in North of Sudan, financed by Libyan Arab Company for foreign investments.

**1988 – 1995** : Guede Mbantou Irrigation project, Senegal, Project Manager Team leader and designer of the above project which Comprises pump stations, hydraulic structures, canals, roads & Dyke. Total cost of the Project is 15 millions \$, financed by Kuwait Fund for Arab Economic Development.

**1990 – 1992** : Elwaha Irrigation Project  
 Area of the project is 12000 feddans. He was the designer.

**1987 – 1992** : National Capital Electricity Project, this project comprises the construction of 63 KM of 110KV line, 3 – 110KV substations & 10 – 33KV substations. He was responsible for the structural design of the overhead line foundation & building of the substations and the supervision.

**1985 – 1978** : Phase 2, North Region Irrigation Rehabilitation project (KSK)  
 The study was conducted by Sir M. Macdonald and financed by ODA. He was the senior Irrigation Engineer responsible for design and preparation of specifications of the rehabilitation.

**1981 – 1985** : Involved in the design and preparation of tender documents for the following projects :

1. Gezira Dairy Farm Project  
 Area is 6000 feddans irrigated by pumps from the Blue Nile.
- 2.Dongola Seed Farm Project  
 Area of the project is 1000 feddans, irrigated by pumps and network of canals.
3. Hudeiba Seed Farm  
 Area of the project is 700 feddans, irrigated by a pump station and a network of earth canals.
4. Green Belt Project  
 This project to use Khartoum Sewage Water to irrigate 2121 feddans of forest. The design included pumps and remodeling of existing canals.

**1983 – 1985** : Resident Engineer, responsible for the supervision of the construction of Gezira Dairy project.

**1981 –1979** : Chief Engineer, Jeddah Oil Refinery, and Saudi Arabia. The work included scrutinizing tenders and supervising various civil engineering projects in the Refinery, including a 5000 ton desalination plant.

- 1977 – 1979** : Project Manager Concorp Co. Contractors responsible for building 8 – Storey Office in Uganda.
- 1975 –1977** : Seconded to United Republic of Tanzania Assistant Director, Irrigation. The work included identifying and conducting feasibility studies for potential irrigation projects. The mission was technical assistance from Sudan Government to Tanzania.  
A study was made of land and water resources. An irrigation project of area 7000 acres was designed.
- 1974 – 1975** : Chief Engineer Hydrology Ministry of irrigation, Sudan Responsible for the collection of hydrological data of all the gauging stations on Blue Nile, River Atbara, Main Nile and Upper Nile gauging stations. Also responsible for flood forecast.
- 1973 – 1974** : Resident Engineer, Kenaf project Responsible for technical financial aspects of construction of the project. The project is irrigated by a pump station on the Blue Nile and a network of earth canals. Area is 30000 feddans.
- 1969 – 1973** : Senior Design Engineer, Ministry of Irrigation. Responsible for the design of the following projects :
1. Abdel Majid Irrigation Project, 1969 the area of the project is 20000 feddans irrigated as part of the Gezira and Managil Scheme.
  2. Gamoyia Pump Scheme  
Area of the project is 7000 feddans irrigated by pumps from the White Nile, South of Jebel Aulia Dam.
  3. Suki Irrigation project (1970)  
The area of the project is 70000 feddans irrigated by pumps from the Blue Nile.
  4. North West Sennar Project, 1971  
The area of the project is 45000 feddans irrigated by pumps from the Blue Nile and cropped by Sugar.
  5. Rehad Irrigation Project, 1973  
Prepared the layout of canals (300000) feddans and conducted the survey leading to selection of supply canal route form the Blue Nile to River Rahad.
- 1968 – 1969** : Alexander Gibb and Partners, London Training in England, involved in design work for irrigation project in Syria.
- 1967 – 1968** : University of South, UK Study period for MSC in irrigation Engineering.
- 1965 – 1967** : Ministry of Irrigation, Sudan Assistant Engineer, Operation and maintenance of Khashm El Girba Dam. Assistant Engineer involved in the construction of Khashm El Girba Irrigation project phase 2,200000 feddans.

**COURSES ATTENDED**

:  
A course in design of concrete water retaining structures organized by Cement Concrete Association.

**PUBLICATION**

:  
Stability of canal drop structures

**LANGUAGES**

	:		
	Speaking	Reading	Writing
<b>Arabic</b>	Excellent	Excellent	Excellent
<b>English</b>	Excellent	Excellent	Excellent