



C.V.

Positions:

- 1989 - present: **Professor of Steel Structures**, Structural Engineering Department, Faculty of Engineering, Cairo University.
- 1994 - present: **Director**, Center of Research & Studies in Civil Engineering, Faculty of Engineering, Cairo University.

Education:

- Ph.D.** (1977): Duke University, Durham, North Carolina, USA.
- M.Sc.** (1975): Duke University, Durham, North Carolina, USA.
- B.Sc.** (1971): Cairo University, Giza, EGYPT.

Academic Experience:

- 1989 - present: **Professor of Steel Structures**, Structural Engineering Department, Faculty of Engineering, Cairo University.
- 1984 - 1988: **Associate Professor**, Structural Eng'g Dept., Cairo University.
- 1978 - 1984: **Assistant Professor**, Structural Eng'g Dept., Cairo University.
- 1977 - 1978: **Assistant Professor**, Civil Eng'g Dept., Univ. of Petroleum & Minerals, Dhahran, Saudi Arabia.
- 1977: **Visiting Assistant Professor**, Civil Eng'g Dept., North Carolina State University, Raleigh, NC, USA.
- 1975 - 1976: **Instructor**, Civil Eng'g Dept., Duke University, Durham, NC, USA.
- 1973 - 1975: **Graduate Student**, Civil Eng'g Dept., Duke University, NC, USA.
- 1971 - 1973: **Teaching Assistant**, Civil Eng'g Dept., Cairo University, EGYPT.



Professional Experience:

1978-present: **Structural Engineer:** professional work in the field of structural steel design involved the design of many major projects in Egypt. Examples are given on the attached list covering the following areas:

1. Steel Mills.
2. Power Stations.
3. Highway Bridges.
4. Industrial Buildings.
5. Miscellaneous Structures.

1979 -present: **Consulting Engineer:** Structural Steel Consultant for the following firms:

- 1979 – 1992: Egyptian Company for Metallic Construction (Metalco).
- 1985 – 1993: General Authority for Industrial & Mining Complexes (IMC).
- 1984 – 1996: Egyptian Sugar & Integrated Industries Company.
- 1984 – 1995: Sabbour Associates.
- 1990 – 1992: Bechtel Egypt.
- 1990-present: Alexandria National Iron & Steel Company at Dekhila (ANSDK).
- 1994-present: International Company for Steel (INCO STEEL).
- 1980-present: NABCONTRACT
- 2003-present: Beshai Steel

Professional Societies:

- 1984-present: Member of the Permanent Committee of the Egyptian Code of Practice for Steel Construction and Bridges.
- 1984- 1992: Member of the Board of Directors of the Egyptian Company for Metallic Construction (Metalco).
- 1993-present: Member of the Board of Directors of the Steel Projects Company (Steelco).
- 1991- present: Registered Professional Engineer in the field of Steel Structures.
- 1997- present: Registered Control Office for the Egyptian Decennial Insurance Pool.



Engineering Awards:

1. Cairo University Award for Distinguished Research in Structural Engineering: 1985.
2. Egypt State Prize for Engineering Sciences: 1989.

Personal Data:

- Born 18 January 1949 in Mansoura, Egypt.
- Married with three children.

LIST OF PROJECTS:

1. STEEL MILLS:

1. Egyptian Iron & Steel Company (HADISOLB):

- Rehabilitation of Rolling Mills (1982).
- Air Separation Plant (1982).

2. Alexandria National Iron & Steel Company (ANSDK):

- Extension of Steel Making Plant (1994).
- Extension of Rolling, Mill Plant (1994).
- New Bar Mill (1996).
- Flat Steel Project, Review of NKK structural steel design (1997).
- Process Center, Review of NKK structural steel design (1999)

3. Arab Company for Special Steel (ARCO STEEL):

- Review of DASTUR structural steel design (1997).

4. Suez Steel Mill:

- Preliminary design for tender quotation (1997).

5. Beshai Steel:

- Structural Design of Steel Making Plant (2003).

2. POWER STATIONS:

1. Bechtel Egypt: Cairo West Power Station (1990).

Review of structural steel design and design of connections

2. Sabbour Assoc.: Cairo South Power Station (1992).

Design of steel structure and connections



3. **Sabbour Assoc.: Assiut Power Station (1988).**
Review of structural steel design
4. **Petrojet: Damanhour & El Mahmoudia Power Stations (1991).**
Review of structural steel design

3. **HIGHWAY BRIDGES:**

1. **Metalco: Ramsis / Ahmed Said Flyover, Cairo**
Structural steel design (1984).
2. **ANSDK: Southern Bridge, Alexandria.**
Structural steel design (1997).
Western Bridge, Alexandria.
Structural steel design (1999).
3. **Cairo Governorate: Galaa & Tagneed Highway Bridges, Cairo (1986)**
Review of structural steel design.
4. **Roads & Bridges Authority: Ring Road Bridge at Km 4.5 (1992).**
5. **Roads & Bridges Authority: Structural Study of Kafr El Zayyat Road Bridge (2002).**
6. **Egyptian National Railway: Structural Study of Qanater Railway Bridge (2002).**

4. **INDUSTRIAL BUILDINGS:**

1. **Sugar Integrated Company (1984 - 1996):**
Structural steel design of the following sugar factories:
 - Dakahlia Sugar Factories.
 - Armant Sugar Factories.
 - Kum Umbo Sugar Factories.
2. **Egyptian Cables Company (1992):**
Structural steel design of a new production line in Cairo.
3. **Fosroc Chemical Company (1994):**
Structural steel design of the factory extension at 6th of October city.
4. **Advanced Chemical Technology ACT (1995):**
Structural steel design of a new factory at 6th October City.
5. **Elsewedy Company (1996):**
Structural steel design of a new factory at 10th Ramadan City.
6. **Zoo Control Egypt (1996):**
Structural steel design of a new factory at 6th of October City.



7. International Company of Steel INCO-STEEL (1992-1998)

Structural steel design of the following items:

- Training Center.
- Factory for Non-Standard Equipments.
- Repair Workshop.
- Galvanization Plant
- Pipe Rolling Workshop.

8. Venus International (1998):

Structural steel design of a bagging station at El Dekhila port.

5. MISCELLANEOUS STRUCTURES:

1. Fuel Tanks:

Structural steel design of fuel tanks for Abu Qir & Assiut Power Plants with capacities up to 15000 m³.

2. Transmission Line Towers:

Structural steel design of transmission line towers for 220 kv and 500 kv Transmission lines.

3. Antenna Towers:

Structural steel design of microwave antennas with heights up to 110 m.

4. Crane Structures:

Review of structural steel design of

- Container Unloader Gantry Crane for El Dekhila port.
- Ship Loading Slewing Crane for El Dekhila port.

5. Commercial Center:

Structural steel design of El Maadi City Center in Cairo.