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## **CURRICULUM VITAE (C.V.)**

For Ph . Dr . Eng . Ashraf Hbous

Full name : Ashraf Habous  
Date of birth : June 08, 1963 – Damascus  
Nationality : Syrian  
Occupation : Dr. civil engineer, consultant in structural engineering  
Marital status: Married- 3 children

### **QUALIFICATIONS:**

- 1994 Ph.D. from University of Architecture, Civil Engineering and geodesy, Sofia, Bulgaria - Department of Structural Engineering (Dissertation title: Investigation of reinforced concrete elements under Eccentric normal force).
- 1985 B.Sc. in Civil engineering from Damascus University (grade: very good).

### **DOMAIN OF EXPERIENCE:**

- In charge of design, auditing, supervision, and execution of reinforced and prestressed concrete structures.
- Consultant in the General Company for Engineering and Consulting (GCEC).
- Lecturer in several private universities for prestressed concrete, composite structures and bridge structure.

### **PERVIOUS EMPLOYMENT:**

- General Director of the General Company for Engineering and Consulting (GCEC).
- Vice-general-director of scientific affairs, the General Company for Engineering and Consulting (GCEC).
- Director of Bridges and Roads Directorate, the General Company for Engineering and Consulting (GCEC).
- Vice-director of Bridges and Roads Directorate, the General Company for Engineering and Consulting (GCEC).
- Consultant for engineering studies and audits of the Minister of Housing and Construction, Syria.

### **ACADEMIC ACTIVITIES:**

- Supervision of Ph.D. degree in the area of reinforced concrete structures (**Methods of Isolation and Damping of The Dynamic Seismic Forces**), Damascus University.
- Supervision of Master's degree in the area of reinforced concrete structures (**The Study of The Effect of The Continuity of The Super Structure Beams in Bridges Under the Seismic Loads**), Damascus University.
- Teaching of prestressed concrete and composite structures in AL-Yarmouk Private University (YPU), bridge structure in The Arabic International Private University (AIU).

### **PART OF PROFESSIONAL EXPERIENCE:**

- Rehabilitation study of The Alesment factory Bridge, located on the Hama-Homs highway.
- Updating Study of the Al-Mouasa Tunnel in Damascus City. and supervision
- Rehabilitation study of Alshoon Building, located on the Deralzor City
- Rehabilitation study of Alseasea Bridge, located on the Deralzor City
- Rehabilitation study of Alganama Bridge, located on the Deralzor City
- Management of the project of Retrofitting AL-Ghizlanyiah Silos and Mill, Rural Damascus.
- Management of the project of design and study of a group of residential buildings in Rural Damascus, for the General Housing Institution.
- Rehabilitation study of The Deir Attyiah Bridge, located on the Damascus-Homs highway.

- Study of the road sliding in AL-Haffeh, Lattakia, by using structural solution.
- Audit of the industrial works' study of the Hama-Misyaf Road.
- Study of the industrial works of Alrppo-Jibbreen Railway.
- Study of two bridges on AL-Shu'eyratt Road in Homs.
- Study of bridge of Tall Jamous and Abou AL-Falt in Homs.
- Study of the Banyas Train Station's tunnel.
- Study of the bridges of AL-Shariyaa Road Intersection.
- Study of the industrial works of AL-Dabbaghat Road, Damascus.
- Audit of a group of bridges in Jaddah, KSA.
- Study of the industrial works in Mheen-Homs Railway.
- Design of the structural works of a group of intersection in Damascus, in partnership with Halcrow Engineering and Consulting Company, United Kingdom.
- Participation in the design of Alyarobia-Aleppo road bridges –about 160 Km -a group of under passes and bridges in the intersections –18 bridges.
- Participation in the design of the bridges of Aljamarek railway pay pass in Aleppo (6 bridges).
- Participation in the design of Mheen- Homs railway bridges–about 50 Km (under passes, over passes, bridges – under work).
- Participation in the design of Homs long pay pass accompaniment roads (a group of under passes, over passes and bridges in the intersections – under work) .
- Design of the free zone bridge in Hsia – Homs.
- Design of Abn sina hospital tunnel in Edlab.
- Auditing of Bet Alcasooh bridge in Hama (steel bridge with main span about 80 m – under work).
- Auditing of the structural works in Hasan Alkhrat intersection – Damascus.
- Auditing of the structural works in Zikar Hnano intersection – Damascus
- Auditing of the structural works in Tadmor intersection – Tadmor .
- Participation in the design of bridges for Al suoeda Jordan border intersection – Damascus.
- Design of the substructure for Al Daboosea bridge on kabir Aljanoobi river.
- Design of the industrial city bridge in Hsia – Homs.
- Participation in the design of curved tunnel in Al suoeda.
- Participation in the design of two bridges in Al suoeda.
- Participation in the design of the structural works in Jandar station intersection.
- Participation in the rehabilitation of the Homs long pay pass study (14 bridges).

- Design of the superstructure of Tartous Al aboodiea
- bridges (prestressed concrete 24 - 31 m beams).
- Participation in the design of the structural works of Aleppo Alzrbe-Atareb road (3 bridges one of them with prestressed concrete 31 m beams and box under pass).
- Participation in the design of the structural works of Tripoli Akary railway (16 bridges).
- Participation in the design of Kiwan tunnel in Damascus (pedestrian tunnel and market).
- Participation in the design of the structural works of Kafar susa Intersection (different tunnels and retaining walls).
- Participation in study of the structural situation of different bridges in Al hasska and loading experiments.
- Participation in the design of the structural works of Ashalwrwar intersection (3 bridges)
- Participation in the rehabilitation of the new fair city bridge.
- Participation in the rehabilitation of bridge in the industrial city- Adra, Damascus.
- Participation in the design of structural works in the industrial city- Adra, Damascus.
- Participation in the study of the cracks in Kasr Alshaab road using reinforced concrete piles.
- Design of the entrance of international Damascus fair
- Participation in the design of the structural works of the Homs long pay
- Pass (14 bridges).
- Participation in the study improvement and supervision contract of Ariha – Latakia highway project (117 structural works).
- Design of Kdsia intersection bridge (two 22m span bridge).
- Participation in the execution of residential building, Damascus.
  
- Participation in the design of the structural works of the airport highway.
- Participation in the design of arch bridge in official road in Alshaab
- palace (60 m span).
- Participation in the design of different residential building, Damascus.
- Participation in the design of the conference's palace
- road bridge.
- Participation in the execution of different building.
- Participation in the design of the fourth bridge on the airport highway.

#### **PROFESSIONAL MEMBERSHIPS:**

- Member of the Syrian Engineering Syndicate of Damascus (SES).
- Member of the Scientific Search Committee in the (SES).
- Member of the Engineering Development Committee in the (SES).
- Member of the Roads and Bridges Committee in the (SES).
- Member of the Board of Directors of the General Company for Engineering and Consulting (GCEC).
- Member of the Board of Directors of the General Company for Water Studies.
- Member of various engineering committees of the assessment of structures

### **PUBLICATIONS & OTHER ACHEIVEMENTS:**

- Design of the cylindrical Shell structures by using The Finite Element Method (Published, Damascus University).
- Reinforced concrete elements under eccentric normal forces, comparison between codes (Published, Civil Eng. University - Sofia).
- Horizontal deformation at the top of elements under eccentric normal forces (Published, Civil Eng. University - Sofia).
- Participation in study of seismic design.
- Design of programs for various structural problems.
- Studies in composite Beams, published in The Encyclopedia of Sciences & Technologies, Damascus.

### **PROGRAMMING:**

Auto CAD - SAP - ROBOT - Microsoft Office

### **LANGUAGES**

- Arabic (native language)
- English
- Bulgarian