



**Mohammad
Khosroabadi**
**Civil/Structure
Engineer**

MARITAL STATUS / SEX:
MARRID / MALE
Children: One child

Contact

+989126348646

+9881283550

[:M.khosroabadi@hotmail.com](mailto:M.khosroabadi@hotmail.com)

6 -16 Allay – North
Rabazeh ST –Abouzar
Blv-Pirozi Ave-TEHRAN-
IRAN

Profile

Personal statement

I'm a civil/structure Engineer. I am an expert in structural design and assessment of buildings and nonbuilding structures with 13 years of experience in the onshore oil & gas industry and one year of experience in general civil engineering.

I joined IGC (Iranian International general contractor) oil and gas department where he had wide exposure to various aspects of structural integrity design of onshore structures. My ability to solve practical engineering problems was highly recognized by clients, such as LAVAN OIL REFINERY.

In IGC Co. I used SAP2000, ETABS, SAFE, and STAAD.PRO software in modeling and code checking by AISC and ACI 318 codes.

Also, I Joined Sahel Consultant Engineers at the beginning of 2011 and was assigned to work on the structural design of the ILC (Iranian liquefied of gas) project (Iran LNG Co.) in Kangan port and I worked through the detailed structural design stages of Substation & CCB building (Central Control Building. I'm also responsible for the primary and detailed design of steel and concrete structures both on calculations and drawings.

In 2014 I was hired at SHARGAN Consultant engineers which was a Manager contractor on Siraf Energy Petrochemical project on Dayer, Boushehr, as a structural engineer to check designs and drawings of structures.

Specialties: Design of Blast Resistant Buildings in accordance with UFC 3-340-02, design of Pipe racks, midrise building, Expert in using SAP2000, ETABS, SAFE, STAAD.PRO, STAAD.FOUNDATION.

Education

- 2006 – 2009 M.Sc. in Structural Engineering
Semnan University of Iran
- 2001-2005 B.Sc. in Civil Engineering
Azad University –TEHRAN –SOUTH OF BRANCH

Key Skills

This is the main summary of my skills:

- Analysis & Design of steel & concrete buildings and nonbuilding structures
- Structural design of blast resistant buildings in oil and gas and petrochemical facilities
- Structural Design of Pipe racks & pipe bridges
- Analysis & Design of Foundations for Vibrating Machine
- Analysis & Design of Tank Foundations
- Analysis & Design of Foundations for static equipment
- Analysis & Design of retaining walls
- Analysis & Design of culverts
- Analysis & Design of Sleepers
- Analysis & Design of retaining walls

Software:

Expert

- AutoCAD 2D
- MS Office (Excel, Word, PowerPoint)
- SAP 2000
- SAFE ver 8.0 & 12.0
- ETABS
- AFES (Automated Foundation Engineering System)
- STAAD.PRO
- STAAD.FOUNDATION
- ABAQUS
- MATHCAD

Familiar

- ANSYS
- TEKLA STRUCTURE
- RAM STRUCTURAL SYSTEM
- RAM CONCEPT

English skills

- Writing (good)
- Reading (good)
- Speaking (good)
- Understanding (good)

Work Experience

➤ June 2007 – March 2011

Iran International General Contractor Company (IGC)
2008 to MARCH 2011**POSITION:** Junior Structural Engineer

- Design of Foundation for some of vibrating machines such as pumps
- Design of Turbine Hall Building For Gas turbine
- Design of Foundation for Flare Stack

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➤ March 2011 – April 2013

Sahel Consultant engineers institute
March 2011 – April 2013**POSITION:** Senior structural engineer

- Design and Analysis of Blast Resistant Building by Nonlinear Time History method (Central Control building in Sahel Institute) based on UFC_3_340_02 code.
- Design of IGAT Pipe Bridge in Damavand Petrochemical Project in Assaluyee, Boushehr, Iran.
- Design of foundation for Transformer 125 & 135MVA in Damavand Petrochemical Project in assaluyee, Boushehr, Iran.
- Design of Foundation for Storage Tank T-7801 in ILC Project in Sahel Consultant Engineering Institute.
- Design of Foundation for Storage Tank T-101A/B AND TK-102A/B in NEKA Oil Depot Project.
- Design of Cantilever Retaining wall for K-2 road in Damavand Petrochemical Project in assaluyee , Boushehr , Iran.

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<p>➤ May 2013 – October 2013 By now</p>	<p>Iranian International Engineering Company (IRITEC) POSITION: Senior structural engineer <ul style="list-style-type: none"> Controlling of structural document such as specification, calculation report, checking analysis file, steel detail drawing, concrete reinforcement drawing, procedure ... in " KHARG ISLAND GAS GATHERING & NGL RECOVERY PROJECT ". </p>
<p>➤ October 2013-August 2015</p>	<p>Sahel Consultant engineers institute Jan 2013- Aug 2015 POSITION: Senior structural engineer <ul style="list-style-type: none"> Design of two off gas pipe rack unit 700 of NGL 3200 (ahwaz) project Design of three utility pipe rack unit 0909 of NGL 3200 (ahwaz) project Design of fire water tank foundation Design of canteen building </p>
<p>➤ Aug 2015- Mar 2019</p>	<p>Shargan consultant engineers Aug 2015-Mar 2019 POSITION: Senior structural engineer and Coordinator <ul style="list-style-type: none"> Control and checking of engineering, procurement, and construction documents (Siraf petrochemical project) civil and structure coordinator for subjects in tie in point Project coordinator for construction contracts </p>
<p>➤ Mar 2019- Present</p>	<p>Siraf Energy Investment Company/Client (Siraf petrochemical project) POSITION: Senior structural engineer and Coordinator <ul style="list-style-type: none"> Control and checking of engineering, procurement, and construction documents (Siraf petrochemical project) civil and structure coordinator for subjects in tie in point Project coordinator for construction contracts </p>

Some of experiences

1.	<p>IRAN LNG Project (Islamic Republic of Iran)</p> <ul style="list-style-type: none"> Design of central control building as blast resisting building based on UFC 3-340-02 Design of substation 601 building as blast resisting building based on UFC 3-340-02 Design of cable gallery for Damavand petrochemical company Foundation design of equipment (Tower, Exchanger, Drum) by GSAFS program Design of pitched roof steel frames (warehouse and workshop) with its foundations by SAP 2000 & SAFE Ver.08 Design of flare foundation
2.	<p>NEKA oil depot (Islamic Republic of Iran)</p> <ul style="list-style-type: none"> Foundation design of firefighting storage tank Foundation design of gasoline storage tank -
3.	<p>Lavan refinery upgrading and revamping project (Islamic Republic of Iran)</p> <ul style="list-style-type: none"> Design of pitched roof steel frames (Turbine Hall) with its foundations by SAP 2000 & SAFE Ver.08 Design of some pipe racks structures and its foundation by SAP 2000 & SAFE Ver.08 Design of some equipment structure and its foundation by Staad.pro and Staad.foundation
4.	<p>Damavand Petrochemical Utility Plan (Islamic Republic of Iran)</p> <ul style="list-style-type: none"> Design of PIPERACK IGAT by SAP 2000 & SAFE Ver.08 Design of foundation for 135 MVA Transformer by safe Ver.12