

# MOSTAFA AZIZI

MECHANICAL/HYDRAULIC ENGINEER  
PROJECT MANAGER



## Personal information

### Name

Mostafa Azizi

### Birthdate

1371.10.18 (08-January -1993)

### Gender

Male

### Residence

Hamedan - Oshnavieh(West Azerbaijan)

### Nationality

Iran

### Military service

Passed and having Licence

### Marriage

Married

## Education

2011 - 2015

### Bachelor's Degree Mechanical Engineering/Manufacturing and Production

Tabriz University, Tabriz-IRAN

Thesis title: "Material selection, Design and  
Construction of Electricity Conductive  
Polymers".

Iran's GPA: 16/91

USA's equivalent GPA: 3.5

2015 - 2017

### Master's Degree Mechanical Engineering/Manufacturing and Production

Amirkabir University of Technology, Tehran  
- IRAN

Thesis title: "Acceleration Control of Electro-  
Hydraulic Shaking Table"

Iran's GPA: 17/47

USA's equivalent GPA: 3.7

Entrance rank: 5

## Interests

### Professional work

♥ Electro-Hydraulic,  
Mechanics and...

### Systems control

♥ Mechanical systems  
Control

### Control Programs

♥ AVR, ARM, ARDUINO

### Communications

♥ International Interface

### Learning Languages

♥ I am working on German  
now!

### New Challenges

♥ Facing new works and  
projects

## Projects

2011-2017

### ANALYSIS AND DESIGN

#### University

- Check and determine the life of roller bearings
- Presenting plasma and electro slug welding seminar
- Analytical solution and finite element and SPID code forging process
- Obtain stress intensity coefficient analytically and using software for single crack and multiple crack
- Gas turbines and modern methods of making blades
- Control and dynamic modeling of Stanford 5 degree robot
- Grinding machine control system seminar
- Robust control Acceleration control of the piston cylinder system
- Control the reverse pendulum cart
- Nonlinear dynamic surface control of hydraulic piston position
- Design and analysis of variable flow pump type of swash plate
- Simulation and control of a system with two inputs, three outputs, ball and beam with PD control
- Design of a military vehicle by Solidworks for one of the military organs

## Skills

### Software

Solidworks	
Catia	
Abaqus	
Autocad	
Matlab	
Fluid sim	
Automation Studio	
Adams	
Maple	

### English

Speaking	
Reading	
Listening	
Writing	

### German

All skills	
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## Projects

2018-present

### IMPLEMENTED AND INSTALLED PROJECTS

#### Steel Company

- Design and implementing of electro-hydraulic tilting tundish, 0-100
- Design and implementing of ladle furnace hood moving using hydraulic system
- Design of furnace (EAF) fast back tilting using hydraulic system
- Design, assembling and implementing of horizontal preheater
- Design, assembling and implementing of water-cooled box for intermediate plate
- Design, assembling and implementing of 2 Jip Cranes
- Design, assembling and implementing of Aluminum 3 wire feedings for 3 strands
- Design, analysis and installing of new bucket elevator wheel
- Design of CCM (casting) change pressure system using hydraulic system
- Design and implementing of hydraulic mold oscillator
- Design and implementing of new shaft for billet transferring rollers

## Experience

- 2018 - 2020**      **Mashiz Steel Industries Company (Former Kerman Steel Industries)**  
**Mechanical & Hydraulic Engineer**, Kerman-Bardsir
- Professional electro-hydraulic equipment design and making P&ID
  - Design and selection of mechanical equipment for use and operation
  - CM planning for Equipment
  - Analysis and planning for industrial lubricants including hydraulic oil, gear oil, compressor oil
  - Design and analysis of engineering equipment and parts with specialized software such as SolidWorks, Catia, Abacus
  - Concluding contracts and preparing Inquiry for installation and implementation of new projects
  - Equipment repair and maintenance
- 2020 - Present**      **Sabanour Iranian Co.**  
Iron Concentrate Making Plant, Hamedan-Iran  
**Project Manager**
- Providing project operational and financial WBS
  - Coordination between all departments (technical, financial, trading, consultant, project control, stakeholders and managing director)
  - Preparation of project critical path
  - Risk management
  - Managing DCC and project control
  - Managing financial and human resources    Acting according to PMBOK standard
  - Managing procurement    Managing all project teams
  - Project management and supervision
  - Ability to solve problems and present plans and deal with unforeseen events
  - Technical and financial negotiations
  - Education and knowledge transfer
  - Managing civil drawings, documents and constructional operations
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## Experienced Positions

- 2018 - 2019** : Steel Melting Plant, Mechanical & Hydraulics Expert  
**2019 - 2020**: Steel Melting Plant, Head of Mechanical Unit  
**2020 - present**: Iron Concentrate Making Project, Project Manager
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## Profile

I am Mostafa Azizi, born in 1371 and I have a master's degree in mechanical engineering from Amirkabir University of Technology. My field of work is related to control mechanics and design and analysis of electro-hydraulic and electromechanical systems and industrial mechanics. After graduation, I am working in the steel industry. In academia and the industrial environment, I have become acquainted with many methods and tools of mechanics, analysis and manufacturing, and I have used many of them. Now I am an Project manager and I am ready for applying solved or solving dissolved problems in industries.

## Contact

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