

# Resume

Full Name: **Ali Khazaei**

## **Education:**

- B.Sc. Degree in Mechanical Engineering, Faculty of Engineering, University of Tehran
- M.Sc. Degree in Electrical Engineering – Power, Islamic Azad University (IAU) – Tehran Bran

## **Specialties and Technical Experiences:**

- Senior engineer in installation design
- Senior engineer in electrical installation design
- Specialist in installation design of hospital projects
- Specialist in designing the water-supply systems and fountains
- Specialist in the installations of sports gyms, swimming pools, and sauna
- Specialist in thermal power plants operations
- Expert of risk and damage analysis of engineering insurances (machinery breakdown insurance and industrial all-risk insurance)
- Specialist of factories and installations analysis

## **Professional Skills:**

- Proficient in AutoCAD and Revit drafting software
- Microsoft Office Software
- Proficient in working with Elit and Carrier HVAC Software
- Familiar with Fire Sprinkler System Design and Calculations Software
- Familiar with technical software for lighting calculations and other software for electrical installation design

## **Professional Licenses:**

- 1<sup>st</sup> Degree Engineering License from Construction Engineering Organization under No. 15-40-0046 in design and supervision of construction mechanical installations
- License for Certified Expert of Article 27 from Construction Engineering Organization under No. 15-40-167 in Mechanical Installations
- License for Certified Expert to the Justice Administration under No. 24-125-237 in Electrical Machines, and Installations of Factories
- Elite Expert to the Justice Administration of Kermanshah Province under code 490 in Construction Mechanical Installations
- License of Risk and Damage Analysis of Engineering Insurances
- Arbitrator to the Justice Administration of Kermanshah in the specialized lawsuits in industries and factories

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- Official Member of Iranian Society of Mechanical and Electrical Engineers
- Official member and researcher of Modern Energies Department in American Society of Heating Refrigerating and Air-Conditioning Engineers (ASHRAE)
- Holder of green building design, training, and inspection certification from Leadership in Energy and Environmental Design (LEED)
- Holder of fire detection and extinguishing systems design, training, and inspection certification from National Fire Protection Association (NFPA)
- Founder and manager of the website of “Iran Installations Engineering Training”  
[www.IranDama.net](http://www.IranDama.net)

### **Major Work Experiences:**

25 years of experience and work in consultant engineers, factories, industrial services, and various projects as summarized below:

- 1993- 1995: Employment at Sarcheshmeh Copper Complex of Kerman
- 1995-1998: Employment at Gharb Cement Factory
- 1998-2017: Employment at Bisotoun Thermal Power Plant
- 2008-2012: Project Manager at Kermanshah International Hotel (Persian Hotels Holding)
- Consultant to Saraban Factory, Manufacturer of Chillers, Air Handling Units, and Fan Coil Units
- 2003-2007: Consultant to the installation and industrial companies in North Iraq
- 2000-2005: Consultant to the Municipal Organization of Kermanshah Province
- CEO to the Municipal Design and Studies Organization of Kermanshah
- Consultant to the Ministry of Housing of Iraqi Kurdistan Region

### **Work Experience in Design and Supervision of Electrical and Mechanical Installations**

- Designing the mechanical installations of Kermanshah University of Technology
- Designing the electrical and mechanical installations of Elmas Baku Administrative and Commercial Building in Baku, Azerbaijan
- Designing the installations and equipment of the industrial workshops of Iranian Offshore Company in Abu Musa Island
- Consultant in designing and operating the water supply systems and fountains in Koohestan Park of Kermanshah
- Designing and supervising the project of organizing Sarab Niloofar Tourism Complex in Kermanshah
- Designing the water supply and irrigation installations in the parks of Parand City
- Designing the water supply and irrigation installations in Gharehsoo Park of Kermanshah

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- Designing the installations of the project of Faculty of Physical Education, Razi University (equipped with swimming pool and sauna installations)
- Redesigning and managing the execution of the electrical and mechanical installations of a 10000-unit project of the Army Housing Cooperative (Pardis Kermanshah)
- Designing the electrical and mechanical installations of the 1064-unit project of Baharestan Municipality Employees Housing Cooperative
- Designing the electrical and mechanical installations of the 2000-unit project of Sina, Retirement Military Personnel Housing cooperative
- Designing and supervising the installations of hundreds of residential and administrative projects in the private sector
- Designing the installations of swimming pools, sauna, and sports gyms in tens of projects in the private sector

#### **Completed Projects in Kurdistan Region, Sulaymaniyah City, Iraq**

- Designing the electrical and mechanical installations of the building of Ministry of Justice
- Designing the electrical and mechanical installations of the Music Institute project
- Designing the water supply and irrigation installations of a 570-hectare Sheir Kosh Park
- Designing the water supply and fountain systems of Azadi Park
- Designing the water supply and fountain systems of the park and landscape of Justice Administration

#### **Hospital Projects:**

- Designing and supervising the installations of Harsin 100-Bed Hospital Project (Hamgo Consultant Engineers)
- Designing the installations of Kish Hospital Project (Bana Shahr Consultant Engineers)
- Designing the electrical and mechanical installations of the Radiotherapy and Chemotherapy Project of Bisoton Hospital
- Supervising the execution of the mechanical installations in the ICU Ward of Taleghani Hospital of Kermanshah
- Supervising the execution of the installations of the project of reconstruction of the Oncology Ward of Taleghani Hospital
- Redesigning the operating rooms in Bisoton Hospital
- Designing the electrical and mechanical installations of the CCU Development and Reconstruction Project

**Design, calculation, supervision, and consultation in tens of big industrial and constructional projects with various uses in Iran, Iraq, Republic of Azerbaijan, and United Arab Emirates**

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## **Compilations**

- Preparing and compiling the instruction on the thermal power plants operation
- Preparing and compiling the instructions on launching turbines, boilers, and generators
- Preparing and compiling the instructions on the test and launching of the auxiliary boilers a turbine tests

## **Articles**

- The Actions of the Thermal Power Plants During the Network Black Out (2003 –Conference Electricity)
- An Innovative Method in Designing Mechanisms (1993 – Publication of Faculty of Engineeri University of Tehran)
- Designing an Airplane Wheel Landing Gear Pneumatic Mechanism (2009 – Conference Mechanical Engineering, University of Tehran)
- Analysis of the Triple-Cycle Energy of Power Generation, Heating, and Cooling Using Gas Turbi Cycle (the 20<sup>th</sup> Annual Conference on Mechanical Engineering)
- Designing Green Apartment with the Approach of Using Clean Energies (the study site Kermanshah) (2016 – The International Conference on Architecture and Urban Planni Engineering)
- Analysis of the Necessity for Construction of Green Buildings in Iran: Challenges ad Strateg (2013 – The International Conference on Modern Approaches in Energy Maintenance)

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