

SUMMARY OF QUALIFICATIONS

- Over 5 years of experience in manufacturing composite insulators
- Strong background in RTV coating (training certificate from Wacker Chemical)
- Familiar with all Middle East electrical transmission and distribution market
- Demonstrated ability to run the projects in minimum time and lead a team
- Professional communication skills include fluency in English and Farsi
- MSc in Control Systems and Beng in Electrical & Electronic Engineering from the UK
- Computer skills include:
 - MATLAB, PSpice, AutoSim, AutoCAD,
 - MS Windows (word, Excel, Powerpoint, and Microsoft project) and Gannet project
 - Programming Languages: C programming, Arduino and PICmicro hardware and Code Composer Studio (CCS)

PROFESSIONAL EXPERIENCE

Electrical Engineer and Project Manager

2014- Present

Dorood Kelied Electric, Tehran, Iran (Production Manager)

- Working as Production and Engineering Manager
- Designing and implementing one of the best high voltage composite insulators in case of reducing electric field. Using COMSOL software
- Having done more than 20 type and design test and more that 100 sample tests for composite insulators
- Being expert in all types of composite insulator failures, causes and reason of failures
- Familiar with all composite insulator IEC standards such as IEC 60815, 61109 and etc
- Having knowledge of all types of raw materials tests,
- Knowing raw material sources around the world
- Implementing Bending vibration fatigue test for 66 and 132 KV phase to phase spacers for the first time in Iran
- Having done several RTV coating projects for electrical substations
- Improving efficiency, reducing waste, increasing production and implementing personnel self-control in production line

Electrical Engineer and Project Manager

2012 – 2014

Gahar Wire and Cable Co.Iran (Project Manager)

- working as a project manager of installing, building
- Taking type tests for aerial bundled cables, overhead conductors and low voltage cables.
- Familiar with all types of overhead conductors and standards

Reza Khordehchi

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Other experience

2002- 2007

Dorood Kelied Electric, Tehran, Iran (Worker in the Workshop)

- Working in practical workshop, with press machines, CO2 and electric welding machines.
- Working with HTV silicon injection machines.
- Working in assembly line of 24 KV circuit breaker

EDUCATION

MSc in Control Systems (with high Merit),

2011-2012

Imperial Collage London, Department of Electronic and Electrical Engineering, London, United Kingdom

MSc major project:

- Optimal model reduction for large scale systems in the H_2 norm

Modules include:

- Power System Control, Measurement and Protection
- Topics in Control Systems (Coursework only)
- Discrete-time Systems and Computer Control
- Discrete-event Systems
- Optimization
- Discrete-time Systems and Computer Control
- Design of Linear Multivariable Control Systems
- Predictive Control
- Real-time Digital Signal Processing

BEng (Honours, 1st Class) in Electrical and Electronic Engineering, Brunel University, West London, United Kingdom

2008-2011

Final year major project:

- Design, build, analysis of a DC to DC converter (the Buck-Boost Converter) using Arduino as a microcontroller in order to control the switch of the converter

RELEVANT SKILLS

Practical

- Extremely practical, worked with Grinder, drill, press, welding, crimping machines and in assembly line

Research

- Translating Thin Film Solar Cells Fabrication, Characterization and Applications Book into Farsi (2014)
- Conducting research on Venture Capital in Farsi by translating relevant articles and materials (2013).
- Investigated different kinds of DC to DC Converters, analysed relevant documents

Languages

- Farsi (native), English (fluent), Arabic (basic)

Driving License- Canadian G Class and Iranian License

References: Available upon request