

Ehsan Banimahdidehkordi

Highly driven and result oriented engineering professional with significant experience in design, oversee and performance of electrical plans. Ability to work well as team member and leader, and exceptional work ethic. Designing inventive solutions for complex issues in varied environments. Accomplished, proactive engineer in all aspect of Smart Home and Home Automation. Qualified designer adhering to local, national, and international codes and standards.

KEY SKILLS & COMPETENCIES

- Electrical Installations
- Designing Electrical Plans
- Smart Home Automation
- Experience in AC Automation, Sensors, Lighting Control, and other wireless automated systems
- Business Planning
- PLC & HMI Programing
- Familiar with electrical standards and codes of practice: IEC 60364, IEC 60536, IEC 60449
- Highly skilled in AutoCAD
- Building Management System

SOFTWARE SKILLS

- MS Office
- AutoCAD
- DIALux
- Matlab
- Smart Automation Software
- Revit
- DigSILENT

PROFESSIONAL EXPERIENCE

Engineering Manager - Dezpart Consultant Company - Shahrekord

2014 – Sep 2021

Dezpart is an engineering services company. The company provides design, engineering, installation, maintenance and project management services.

Responsibilities:

- Designing and preparing the electrical plans for projects
- Calculating size and routes cables, voltage drop, grounding protection system, Indoor-Outdoor Lighting fixtures, socket and telephone system
- Designing and performing all aspects of Home Automation for residential and commercial buildings
- Organize information, report writing and prepared checklist in order to find bottlenecks and apply procedures to solve problems
- Preparing feasibility studies and business evaluation/development plans
- Managing between all members of the design team
- Reviewing cost saving solution and supervising the progress of projects
- Providing specifications, estimate costs, technically supported the project team planning the resources and providing technical customer reports

Key Achievements

- Prepared and fully implemented Smart Home Automation for over 20 commercial and residential projects
- Design & implementation of building electrical installations for over 30 projects
- Trained 5 electricians to join the team
- Design and Assembly the Power Box (Smart Home)
- Interpret and apply relevant international standards during the design of electrical plans
- Preparing the circuit details of assigned buildings according to requirements
- Provided more than 30 feasibility studies and business evaluation plans based on each clients' specific needs and situations

Technical Engineer - Oranus Smart Home Company- Shahrekord

July 2010 – 2014

Responsibilities:

- Designing electrical Home Automation plans and providing As-built documents
- Technology Advisor and Installer at Smart Home Innovations
- Self-worker for Finding solution with the help of manuals
- Installing the integrated component to switchboards
- Integration and programming Home Automation software
- Tracking of testing equipment for Calibration Records
- Supporting Management team for technical aspect of company road map
- Giving technical solutions for installing and running of electrical equipment and finding faults
- Providing checklists for assembling, installing, and maintaining electrical equipment

Key Achievements:

- Perform electrical installations for residential and office complexes, shopping centres
- Installation & Programming of TIS SMART-BUS system on the smart Homes, All types of module like Dimmer, Relay, Curtain, HVAC, Logic, Sensor, IR Transmitter, Security, SMS module, Z-AUDIO,IR Learner, Dry Contact
- Installing and performing Software for iPhone, IPAD, IPOD, ANDROID
- Installation & Programming of FIBARO wireless Smart Home Automation
- Update Hardware & Software for TIS-Smart Bus by using Update & Test tools

EDUCATION

M.SC. Electrical Engineering, Power Systems

B.SC. Electrical Engineering, Electronics

LANGUAGE SKILL

English, Farsi