

**Adam Ata Afshari, MSEE, PE (CA&MO)**

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**Professional Experience:**

**Consultant (3/2020 – Present)**

Providing consulting services: engineering and design review for residential, commercial units and public work (including Los Angeles Metro Central Project), and contractual consulting, serving Birdi Systems Inc., PE Mechanical LLC, Eco Green Vision, and ZM Engineering

**Project Director (10/2018 – 03/2020)**

***Birdi Systems Inc., CA, USA***

Providing project management and systems integration including IT/Comm and security systems for capital projects

**Key Responsibilities:** Leading Energy & Utility Division, business development and developing Growth Plan, managing and assisting proposal team on federal and municipal opportunities (including BOS contracts for Edward's Air Force Base and Jacksonville Air National Guard Base), contract and teaming agreement review, hiring new staff for building and expanding team, overseeing design efforts, plan review and design coordination, coordination in a dynamic environment with numerous designers and stakeholders

**Major Projects:** APM (Automated People Mover) for LAWA, APF (Airport Police Facilities) for LAWA, CUP retro-commissioning for LAWA, security system modernization for Santa Monica Airport, and Santa Barbara

**Consultant/Associate Vice President/Project Manager/Design Manager / (1/2012 – 9/2018)**  
***San Diego International Airport (DH Green Energy via AECOM, Kimley Horn, Jacobs), CA, USA***

Providing consulting services for managing and implementing capital projects

**Key Responsibilities:** Plan review and design coordination, writing provisions addressing safety, operational and environmental concerns, creating/developing contract documents including bid package, bid schedule, addendums, bulletins, change orders. Coordination in a dynamic environment with stakeholders and numerous various departments and agencies, as well as several adjacent sister projects such as large PV solar systems at SDIA. Overseeing projects through different phases, including planning and design, bidding process and field construction, and adhering to budget, schedule and the approved scope

**Major Projects:** 12kV Airport Electrical Distribution System, Runway 9 Displaced Threshold Relocation, Gate 20 & 22 GPU Upgrade for Boeing 787, Modifications of Taxiway B9 and Delta Centerlines, T2 west switchgear room, Replace Two Aircraft Rescue and Fire Fighting (ARFF) Vehicles, Replace Existing Generator at Central Utility Plant, Battery Energy Storage, Electrical Modernization in Terminal 2 East & Terminal 2 West, Modernize Vertical Conveyance Terminal 2 East & Terminal 2 West, utilities coordination with ADP (New Terminal 1) Programmatic Document, Fuel Rack Relocation and Hydrant Fueling, North Cargo Apron Project, T1W Common Use Passenger Processing System

**Consultant Electrical Engineer (4/2009 – 1/2012)**  
***Amax Controls, Los Angeles, CA, USA & ZM Engineering Inc., Diamond Bar, CA, USA***

Providing engineering services for commercial and industrial projects

**Key Responsibilities:** Engineering design and design review, managing projects as project engineer

**Major Projects:** Huntington Memorial Hospital Central Plant Upgrade in Pasadena, Fountain Renovation in Pasadena, Brackett Field Airport in La Vern, Amcal General contracting I Edison, Villa Serena, Street Lighting and Transformer Underground Vault, replacing old lighting fixtures with new LED or fluorescent fixtures for both interior and exterior at four high schools for Hacienda La Puente Unified School District, replacing gymnasium lighting from HID to LED 2x4 fixtures for San Marcos Unified School District, feasibility study for energy conservation measures such as replacing all existing lighting with LED retrofits or new LED fixtures for four schools in LA Unified School District, designing PV canopy systems for schools in Huntington Beach City School District and Fountain Valley School District, and Jordan Middle School in Burbank

**Project Engineer (1/2008 – 3/2009)**  
***Globateq Engineering, Los Angeles, CA, USA***

Providing electrical solar systems for residential and commercial units.

**Key Responsibilities:** Engineering design and Sizing of solar arrays and inverters for Utility-Interactive systems and engineering review, managing projects and sub-contractors as planner and project engineer

**FACT and Space Test Engineer (6/1998 - 12/2007)**  
**Cicon Engineering Inc., Los Angeles, CA, USA**

**Key Responsibilities:** Supervisor of the FACT (Flexible Automated Circuit Tester) department as test engineer, managing the Component Shelves projects (electronic circuits controlling the function of satellite batteries) as planner and project engineer, programming for FACT machine, creating test procedures and planning documents

**Major Projects:** For **JPL:** NASA Mars Exploration Rovers. For **Hughes/Boeing:** HP Component Shelf Assembly (satellite batteries control system), SUPERBIRD 6 (Nickel-Hydrogen) Battery Pack, SSME (Exciter to Igniters for the Space Shuttle), GALAXY-13, UHF-11, SPACEWAY, MEASAT, XM-RADIO4, GOES, ODEN, DIRECTV, THURAYA and NSP. For **Lockheed Martin:** AMC, SBIRS, JCSAT, SIRIUS, BSAT-3A, ASTRA, and VINASAT. For **Raytheon:** Buffer Assembly and VIIRS

**Electrical Design Drafter/Engineer (10/1990 – 2/1996)**  
**Namvaran Consultants Engineers, Tehran, Iran**

**Key Responsibilities:** Preparing engineering drawings, specifications, and data sheets for electrical cabling layout and sections, lighting systems, grounding layout, substation equipment layout and switchgear arrangement. Design review for switchboards and panels, distribution and control panels, power transformers, cable tray and cable accessories, and protection systems based on the latest codes and standards of IEEE, NFPA and NEC

**Major Projects:** *Gol-e-Gohar* Iron Ore project, *Bandar Abbas Refinery* Power Distribution Design, *Kupal* Gas Gathering and Injection Project, *Kermanshah-Sanandaj* Pipeline Project

**Skills and Qualifications:**

- Intimately knowledgeable about regulatory agencies and public work or other municipal specifications; Creating proposals or contract documents; Intimately knowledgeable about different procurement methods, construction phases from planning to closeout, budgeting and cash flow control
- Design of commercial and industrial electrical power systems, including photovoltaic systems
- Proficient in Microsoft Office, Bluebeam PDF Revu, ePM, Prolog Manager 2008, PMWeb, ECMS, M2M, Adobe, AutoCAD and use of industrial drawings and schematics
- Experience with Kaizen improvement methodology, Six Sigma (business management strategy), Lean manufacturing and quality assurance standards, AS 9100, ISO 9000 and ISO 9001 quality management systems, military standards (MIL-STD) and government regulations such as OSHPD regulations, Title 24, California public contract code and Governmental contract constraints
- Engineering economic analysis, including risk and uncertainty analysis

**Education and Credentials:**

**California State University, Long Beach**

Master of Science in Electrical Engineering (Emphasis on Power Systems Design)

**PE License** from the State of California, License # E 18424

**PE License** from the State of Missouri, License # PE 2021021279

**Beheshti Technical School**

Electrical Branch, Majoring in Electronics, Tehran, Iran

**Certificates from Southern California Edison for:** Implementing Energy Efficiency Projects, Succeed at LEED, HVAC System Testing for Energy Efficiency, CSI Commercial Solar Workshop, Industrial Lighting Applications, Advanced Lighting Control Systems, Programmable Logic Controllers

OSHA 30-hour Construction Safety and Health certificate