

Location: Phoenix, Arizona

Employment Type: Full-Time | On-Site

Compensation: Depending on experience

About DARcor & Associates, Inc.

DARcor & Associates, Inc. (DARcor) is a 28-year-old electrical engineering consulting and design firm based in Phoenix, Arizona. We provide professional design services for a wide range of public and private sector projects, including:

- Potable and non-potable water pumping and treatment facilities
- Wastewater pumping and treatment facilities
- Street lighting and outdoor/sports lighting
- Solar/PV systems
- Mining, commercial, and industrial facilities

We are seeking a **full-time Senior Designer** to join our growing team. This position offers opportunities for professional growth into project engineer, project manager, and licensed professional engineer roles.

Key Responsibilities:

- Prepare biddable electrical Construction Documents (Plans and Technical Specifications) from conception/study phase to construction management phase.
- Work on multiple projects of varying complexity and different stages of completion simultaneously.
- Create, read, and interpret electrical, mechanical, and architectural drawings, schematics, and specifications.
- Compute electrical calculations, including loads/services, panel schedules, short circuit currents/fault currents, voltage drop, conduit and conductor sizing, VFD harmonic filtering, and backup generators.
- Coordinate with equipment vendors, manufacturers, clients, and design team members from other engineering disciplines.
- Highly experienced with AutoCAD version 2020 or newer.
- Working knowledge of Microsoft Outlook, Word, Excel, 365, OneDrive, SharePoint, and Bluebeam or other PDF software is required.
- Thorough understanding and application of the National Electrical Code is required.
- Knowledge and application of NFPA 820, NFPA 30, UL-508A, UL-698, IBC, IECC, Dark Sky, and related Codes/Standards are required.
- Knowledge of SKM software to prepare arc flash hazard studies is required.
- Working knowledge of AGI32 or Visual photometric lighting software is required.
- Make site visits to gather information to start and complete designs.
- Prepare engineering memos, reports, and facility assessments/evaluations using technical writing techniques and proper grammar.
- Prepare budgetary cost estimates for electrical equipment installations.
- Coordinate with local electric service providers (APS, SRP, TEP, GRICUA, NTUA, etc.) to obtain and review their preliminary designs.

- Coordinate with local authorities having jurisdiction regarding electrical building permit submittals, design reviews, and address any review comments.
- Participate in or facilitate project progress meetings.
- Perform reviews of construction documents designed by others including junior staff at various stages of completion for quality and content.
- Assist in the development and management of entry-level and junior-level engineering staff.
- Provide post-design support to our construction administration personnel on an as-needed basis.
- Maintain a valid driver's license and a reliable vehicle.

Our ideal candidate:

- Works collaboratively with others to achieve team goals
- Maintains strong attention to detail and accuracy in all tasks
- Adaptable, with the ability to transition efficiently between multiple tasks and responsibilities
- Communicates clearly and effectively, both verbally and in writing
- Manages time efficiently and meets deliverable due dates consistently
- Strong organizational skills
- Dependable, focused, and self-motivated
- Strong analytical and problem-solving skills
- Strong project management skills
- Strong interpersonal skills
- Quick to learn and apply new engineering and architectural software
- Seeking to become an Engineer-in-Training (EIT) and licensed Professional Engineer (PE) is preferred but not required.
- Willing to relocate or already have residence in Phoenix, AZ or the surrounding metropolitan area.

Benefits:

DARcor offers a competitive compensation and benefits package, including:

- **100% employer-paid** medical, dental, and vision insurance for employee coverage
- 401(k) plan
- Paid Time Off (PTO)
- Profit sharing opportunities
- Career development and training programs

How to Apply:

If you are interested in pursuing this career path and joining a respected firm that values quality, integrity, and growth, please submit your resume to:

Jorge Gerardo, P.E.

President

jgerardo@darcorinc.com