



Mortenson Construction

Design Phase Engineer (Solutions Architect)

Company Overview:

Mortenson's success is not a matter of luck; it's a result of our ingenuity, expertise, and exceptional people coupled with our unparalleled focus on customer service.

Our foundation and culture are based upon our values of trust, safety, teamwork, responsibility, service and stewardship. We are inspired by a compelling purpose to build structures and facilities for the advancement of modern society and a mission to create an exceptional customer experience. Mortenson has built a reputation for being a leader in our industry and in the communities in which we live and work.

It all starts with our extraordinary people and collaborative teams. Mortenson has been voted a "best place to work" over 40 times since 2002...

...What are you waiting for?

The Big Picture:

Are you an innovator? Do you have the aptitude to anticipate problems, critical issues and opportunities as they arise? Do you possess the capability to problem solve and create viable solutions?

Mortenson is currently seeking an experienced Design Phase Manager to lead the design process and ensure the owner's vision is translated into solutions and construction parameters. Demonstrating strong written and verbal communication skills is vital, as you will interact with staff at all levels, in an ever-changing environment. You will drive successful results by remaining flexible, inventive, dedicated and efficient with a high level of integrity and confidentiality.

What will you be doing?

- Assist the owner in realizing "The Art of Possible" when it comes to technology and where it can benefit their business.
- Translate the owner's vision into a constructible design solution within the overall project scope, budget, and schedule
- Act as primary point of contact with owners, architects, engineers, and low voltage / IT trade partners during the design phase
- Promote and facilitate open communication and issue resolution between team members
- Provide direction and input on preferred construction means, methods, and materials for incorporation into the construction document
- Provide direction and input when it comes to hardware and software of the low voltage systems.
- Identify specific systems that make sense per customer requirements (i.e., Johnson Controls, Schneider etc.)
- Provide input which supports overall project constructability and logistics
- Obtain, review, and coordinate information from design assist trade partners
- Incorporate low voltage and IT trade partner recommendations and preferences into design documents where appropriate



- Assist the estimating team in translating the low voltage and IT design solution into technical and financial cost documentation
- Coordinate the efforts of multiple design entities contracted with Mortenson
- Coordinate, review, and submit design documents to the owner

Acquire services of consultants and trade partners

- Procure critical scopes of work early in the project
- Develop and implement a buyout plan that transfers design and construction risk to trade partners at the appropriate time
- Supervise budget and make recommendations for trade partner selections with the design team, keeping within project schedule and budget parameters
- Solicit, select, and contract with designers for design-build projects

Assist on-site project teams

- Obtain input from the team to support a single project vision between Mortenson's design and on-site project teams
- Utilize Mortenson standard financial and project management control procedures to ensure a smooth transition to on-site project management activities
- Develop and run preliminary on-site logistics and utilization plans until on-site project team is assigned to project
- Perform quality inspections of work put in place during construction phase

Other duties as assigned, including:

- Act as the Project Manager until a full-time project manager is identified
- Provide design solution input to business development and estimating departments as requested

How will you succeed?

- General understanding of multiple low voltage or IT systems and how they can be integrated to work together with capability to learn more. Systems may include, but are not limited to: DAS, Wi-Fi, GPON, CCTV, access control and the cabling infrastructure to support these systems.
- Detail orientation sufficient to organize and handle multiple project tasks
- Risk management skills
- Microsoft Office, project and pertinent web application skills at an intermediate level
- Positive professional attitude, and strong customer service skills
- Interpret and communicate Mortenson policies effectively
- Resolve cross-cultural conflict in a culturally appropriate manner
- Open to change based on diverse input and feedback
- Effectively work with those of diverse backgrounds and organizational levels
- Adaptive, effective communication and active listening skills



- Knowledge of Equal Employment Opportunity, Affirmative Action, and inclusive behaviors
- Strong cross-cultural relationship building and influencing at all organizational levels
- Track record of including diverse team members when assigning challenging and high-profile tasks
- Minimum 5 years of related field experience

Education:

- Bachelor's degree in Electrical Engineering, Computer Science, Construction Engineering, Architecture, Construction Management, Estimating, or equivalent field
- Desirable certifications may include the following or similar certifications:
 - Cisco Certified Network Associate (CCNA)
 - Registered Communications Distribution Designer (RCDD)
 - Understanding of Fiber Optics (Corning, Tellabs certified Preferred)

25% travel expectations

Mortenson is an EOE/Affirmative Action/M/F/Veteran/Disabled employer.