



HOW WE WORK.

QUALITY FOCUS

Quality is one lens through which we approach our vision to “be the firm that builds a better world.” We work toward our vision through quality relationships with people, quality service to others, and quality engineering on our projects. Quality is first a mindset that informs our values, thoughts, actions, and work. Our engineering infrastructure is a direct outcome of our quality mindset. It is built to deliver a just-in-time, just-enough, and just-for-you modularized approach using a Design for Manufacture and Assembly (DfMA) logic and progressed by a continuous process improvement cycle.

- **Quality Design** — Develop application guides and design standards geared toward design of grid-integrated buildings, building electrification, and water efficiency.
- **Quality Control Systems** — Apply building automation control system design uniformly across all disciplines.
- **Quality Data** — Establish a digital mindset around data architecture and data-driven engineering design.
- **Quality Building Information Modeling (BIM)** — Convert engineering toolsets to be BIM native and data rich.
- **Quality Assurance and Quality Control** — Coordinate engineer of record (EOR) and reviewer coverage plans across all Sectors to push quality oversight closer to projects.
- **Quality Maintenance** — Provide ongoing support and continuous maintenance of current engineering tools.
- **Quality Training** — Rollout next generation fundamental and advanced engineering courses across all disciplines that incorporate today’s technologies.



EXPLORING NEW OPPORTUNITIES

Our designs start with the future in mind. With systems rapidly evolving, our engineers and designers stay on top of the forecasted trends. This allows us to design our systems to be easily modified or expanded based on long-term needs. We're your partner for the life of the building and so our goal is to be able to establish solid groundwork for any future changes and renovations. Below are a few of the opportunities we are exploring.

- **Design for Building Electrification** — Focus on specifying all-electric HVAC and water heating systems for retrofits and new construction.
- **Design with Automation** — Apply design automation using modular components to increase efficiency and enhance quality.
- **Design with Data in Mind** — Design projects with data as a deliverable in addition to the traditional construction document deliverables. Prepare for digital twin integration.
- **Be Conversant in Today's Technologies of Interest** — Provide quality service to our clients by guiding them through how they can take advantage of the next generation of technologies.

JARED CARLSON

PE, LEED AP BD+C

Engineering Director



Jared is one of the most responsible, organized, considerate, and dedicated engineers we know, and there's nothing about what he does or who he is that isn't high quality. As a principal and our director of engineering, driving an emphasis on quality and ongoing development are central to his role, but he'll be the first to tell you that the highlight of his days (and career) is always the relationships he has with coworkers and clients. Jared brings balanced and thoughtful management to our extensive technical director and process improvement programs. He's responsible for maintaining our culture of quality, mentorship, and continuous learning - which for him isn't hard, because those tenants have always been central to his life.