

Profile

Courageous leader and engineer that fosters interpersonal relationships, engineering and risk management principles utilizing experiences gained through continuous process improvement, project management, operations supervision and engineering disciplines.

Work Experience

MGTA Group, LLC Remote Work September 2023 – Present

Power Equipment Specialist

Conduct investigations, provide repair estimates and claim support for power plant equipment failures including wind, steam and combustion turbines, generators, and associated auxiliary power generation systems.

Ternion Energy Services Remote Work June 2021 – Present

Vice President, Projects and Engineering

Lead engineering and business efforts of renewable services startup with main responsibilities being development of safety and quality program and culture, project budgeting and execution.

- Draft and review all engineering related documents including scopes of work, procedures, drawings, requests for proposals or requests for information, etc.
- Budget and track all company expenses and report to the board of directors and business development to accurately reflect costs to remain competitive in the rapidly evolving market
- Develop ISNet compliant HSE program and Quality program in pursuit of ISO 9001 and ISO 14001
- Lead various wind turbine maintenance projects including main and blade bearing replacements, wind turbine erections and wind turbine collapse investigation and remediation

MidAmerican Energy Company Urbandale, IA July 2014 – June 2021

Associate/Senior Outage and Construction Project Manager

Provide project management services to varying business units and executive level stakeholders by leading, teaching, planning, budgeting, and the cost effective, timely and safe execution of project plans.

- Demonstrated project management and communication proficiency by leading several high-level projects while reporting to executives in both rate regulated and unregulated business units through all project phases
- Lead multi-year wind repowering efforts (development through construction) estimated at \$2.3B across fourteen active wind parks of different wind turbine manufacturers/models
- Lead development and due diligence activities for utility scale and community solar projects, studied and developed subscription solar program rate structure, and provided technical support for net metering initiatives
- Delivered lithium-ion battery energy storage pilot project through all project phases (including development, construction, pilot study plan, and operations/maintenance) under condensed timeline and used experience to provide lessons learned and best practices to Berkshire Hathaway affiliates
- Managed onsite construction activities for new wind farm construction and repower projects, each offering unique conditions resulting in an emphasis on risk management for successful completion of projects
- Managed or assisted in outage planning or project execution on combustion turbines, heat recovery steam generators, coal fired boilers, selective catalytic reduction (SCR) systems, flue-gas chimneys, coal fired steam turbine overhauls/upgrades, geothermal steam turbine overhauls, and process improvements at geothermal power plants
- Participated in risk assessment initiatives and root cause/failure analysis investigations including steam turbine protection and control system audits, wind turbine minor and catastrophic failures, and other safety and operations equipment failures

MidAmerican Energy Company Pleasant Hill, IA March 2013 – July 2014

Supply Engineer

Provide technical support and project management for all phases of power plant projects, including scheduling, design, estimates, engineering specifications, drawings, materials procurement, construction contracts, cost tracking and project cost projections.

- Support plant in reaching availability and reliability goals by leading capital improvement projects and troubleshooting new and reoccurring operational issues
- Participated in root cause investigations, developed response plans for insurance risk assessments, and lead a portion of a company-wide (Berkshire Hathaway Energy) corrective action program implementation
- Plan forced and scheduled outages to maximize efficiency of contractors and employees with emphasis on job quality while minimizing cost
- Acted as maintenance manager for approximately six months with responsibilities of planning, scheduling, supervising contracted and represented employees to maintain plant operational goals
- Implemented piping monitoring program to include cathodic protection audits, pipe hanger inspections, P90 piping/weld inspections, and high energy piping inspection program

Education

Iowa State University, Ames, IA

Bachelors of Science in Mechanical Engineering GPA: 3.65