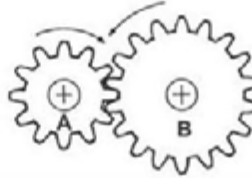


ERIN K. MAY

MECHANICAL ENGINEER



Design and Drafting * Testing * Project Management

Experienced engineering project manager who drives engineering and construction / production phases of multiple multi-million dollar projects through to completion. Expert in working with engineering groups in design, permitting, construction, and testing of large- and small-scale state-of-the-art systems and products. Available for 25% in-state and 10% out-of-state travel.

VALUE TO ORGANIZATION

Estimates and Bids: Experience with estimating project cost, scope, and timeline needed to accurately bid on government and private requests for proposal.

Leadership: Greater production through exemplifying hard work, communication, and motivation. Efficiency through utilizing unique talents of each individual.

Management: Training and coordination of drafting department, in charge of creating all visual customer deliverables needed to communicate design specifications to partners and vendors. Lead engineer on all CAD resources and database upkeep.

Teamwork: Self-starting engineer with Midwestern work ethic who gets hands dirty on team projects. Team player with exceptional interpersonal skills. Independent worker on projects such as blueprints.

Compliance: Protocol implementation achieved 100% compliance with state / federal requirements.

Communication: Adept at motivating co-workers and communicating with clients and vendors in nontechnical terms.

EXPERTISE

- | | |
|---------------------------------------|--|
| * Project Analysis and Reporting | * AutoCAD 2010 / 3d |
| * Process Engineering | * Pro-E / SolidWorks |
| * Mechanical and System Design | * AutoDesk Inventor |
| * Government Regulated Design Control | * MS Office 2007 (Word, Excel, PowerPoint) |

PROFESSIONAL EXPERIENCE

UNIVERSITY OF STATE, City, State Month Year to Present
Research Center

Provide practical, cost-effective solutions to most critical energy and environmental issues and challenges.

Research Engineer, Month Year to Present

Designed, constructed, and tested advanced gasification systems. Managed projects, led testing, and contributed to client and government reporting including data reduction and analysis. Managed drafting department and performed all conceptual design work for new projects.

- **Professional Advancement:** Rose quickly into management of end-to-end engineering and construction phases of multi-million dollar projects.
- **Reliability:** Completed all projects within budgetary and timeline constraints.

Continued ...

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erinkmay@gmail.com

PROFESSIONAL EXPERIENCE

(continued)

- **Projects managed:**

On-site baseline testing and setup: Managed extensive successful baseline testing and setup of on-site industrial engine and power generation system, including design work and infrastructure modifications required. Customer reinvested \$100,000 after testing and is considering commercialization with \$5 million grant.

Portable system design: Oversaw design, material procurement, and construction of portable trailer-mounted advanced biomass gasification system. Testing ongoing.

- **Process design, development, and implementation:** Worked directly with environmental and safety officers on wastewater and solid residue treatment process for each project managed.
- **Pilot-scale research consultations:** Consulted on component design, creation of blueprints, project time lines and budgets, and worked closely with suppliers in ordering parts and systems for number of pilot-scale research systems being constructed for both private and corporate partners.
- **Received multiple salary increases** for work with drafting department and other projects.
- **Commended** for engineering design, ordering, and constructing more than 10 projects.

Research Assistant, Month Year to Month Year

Created blueprints, flow diagrams, and Piping and Instrumentation Diagrams (P&IDs) for renewable fuel and hydrogen production research systems, including 3 major projects. Conducted initial testing of pilot-scale project, performed data reduction and analysis on test data and contributed to final reports submitted to corporate and government partners. Created blueprints for portions of second system.

- **Helped save thousands of dollars** in construction and operating costs by working as part of design team that installed hydraulic lift system.
- **Promoted to Research Engineer** for excellent performance on project, knowledge of process, competence using engineering expertise for design and layout, work ethic, leadership of construction operators, successful vendor relationships and best prices, material selection,

EDUCATION

BS, Mechanical Engineering, Minor, Mathematics, University of State, City, State

- Member of The University of State Basketball and Track teams, 4 years.
- Completed undergraduate credits for MBA eligibility.