MECHANICAL ENGINEERING

Experience and Innovation Working for You

1658 Malvern Ave.
Hot Springs, AR 71901
501-321-2276

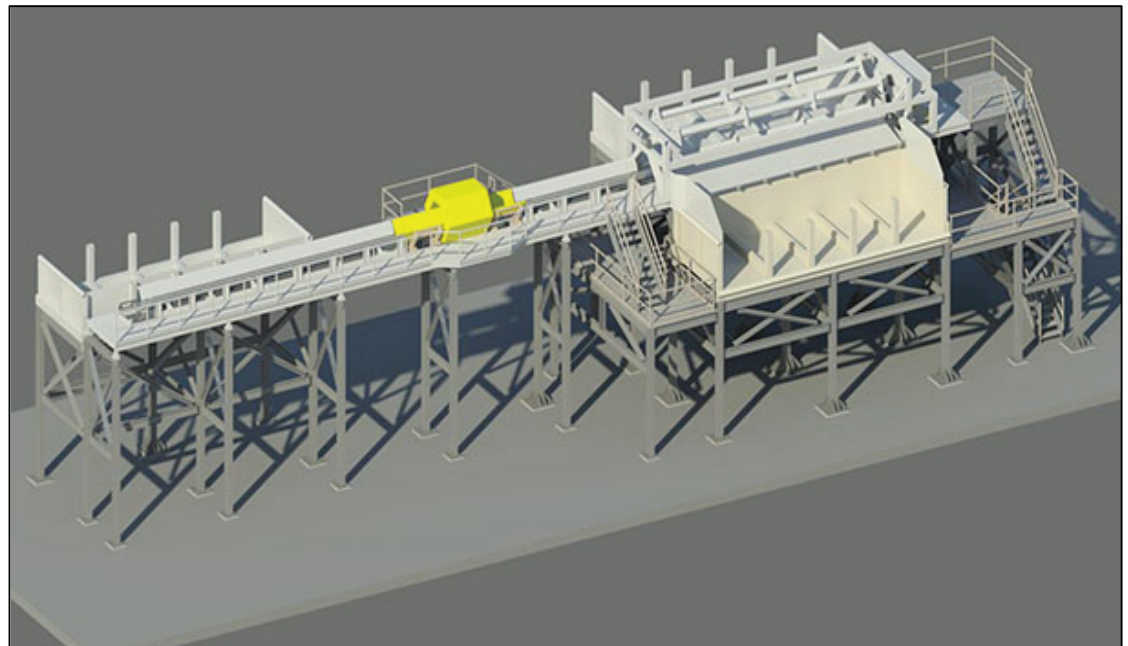200 Mackenan Dr.
Cary, NC 27511
919-481-1084

303 Main St.
Orono, ME 04473
207-889-5200

12591 Vulcan Way
Richmond, BC V6V 1J7
604-273-1915

www.mseco.com

Professional Memberships

National Society of Professional Engineers®

American Welding Society

ASME — SETTING THE STANDARD

ACEC — AMERICAN COUNCIL OF ENGINEERING COMPANIES — 100 Years of Excellence

NCEES — advancing licensure for engineers and surveyors

Mid-South Engineering's Mechanical Department provides a wide array of services to support clients' needs from upgrading a single piece of equipment to complete green field facility design. Our Process Engineers work closely with our Mechanical Engineering and Design team to make sure the equipment and systems will meet the client's requirements. Combining innovative design tools and practical experience, we help our clients optimize opportunities, increase return on investment, and develop a product of superior quality.

What We Do:

Engineering, Design, & Specifications:

- Energy & Mass Balance
- Process Equipment
- Bid Analysis
- Material Handling
- Fire Protection

- Process Flow Diagrams
- Custom Equipment
- General Arrangements
- Pneumatic Systems
- Piping Systems

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Partial Client List

Louisiana Pacific
Georgia Pacific
Norboard
Weyerhaeuser
Uniboard
Enviva, LP
Temple
KiOR
Martin-Marietta
International Paper

The Mechanical Department work closely with Mid-South Engineering's Site Development, Structural, and Electrical Departments to support our core industrial markets. We also offer Engineering Support Services for custom equipment manufacturers, re-engineering of equipment to correct deficiencies or increase functionality, as well as detailed designs for one-offs and prototypes.

Programs Used:

- Revit
- AutoCad
- Internal QA/QC
- Adept Document Control
- Solid Works

- Ceasar II - a steam pipe stress analysis
- Proprietary System Modeling Using Excel
- 3-D Design Using Inventor and Revit