

Coffman Experience

Markets/Services

INDUSTRIAL MECHANICAL ENGINEERING



Our designs encompass unique, one-of-a-kind features such as one-off machine design of a snow hauler for the South Pole.

Experience: we provide services to a broad range of industries including on- and-off shore petroleum and natural gas, hydroelectric plants, fish recovery, mining, aluminum mills, pulp and paper, and cement terminals. We have also augmented various contractors' teams to provide engineering support during construction.



Track Record: we've partnered with Kaiser Aluminum for over 15 years, with staff permanently on-site for over five years at their plants. Their confidence in our abilities is not unique, although it was hard earned. We have covered all phases of the design process from the conceptual design through start-up and commissioning. We have assisted Kaiser with many capital improvements with services including outage planning and coordination, integration of systems with controls, and construction management.

Capabilities:

We have extensive experience in the design of systems including:

- Bulk Material Handling and Storage Terminal Design
- Clean Room Design
- Computer-aided Pipe Stress Analysis
- Construction Aids
- Custom Machine Design Utilizing 3D modeling and Finite Element Analysis
- Design/Build One-Off Equipment
- Environmental and Safety Compliance Projects
- Heavy Lifting Systems
- Industrial Ventilation Systems
- Metal Casting, Heat Treating, and Quench Systems
- Mill Buildings
- Modifications to Existing Equipment
- Natural Gas and Fired Power Generation
- Overhead Crane Inspection and Analysis
- Plant Engineering Studies
- Process Control
- Process Equipment
- Skid-mounted



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