

Engineering Services



Kadant Solutions offers two engineering service options, basic and premium, to facilitate ease of product installation.

Premium Package

The premium option is designed to expedite projects through the capital funding cycle resulting in a preliminary design and engineering estimate (+/-20%).

Mechanical / Piping

- Review existing plant layouts, elevations and existing conditions for development of new equipment arrangements
- Develop preliminary and final piping arrangements and schematics project approval
- Create demolition and relocation drawings for existing equipment
- Provide equipment and piping support plan and installation details

Foundation / Structural

- Develop foundation plans, sections and details for new equipment installation
- Create structural steel design and details
- Provide technical specifications

Electrical

- Review new equipment electrical loads
- Update existing diagrams and incorporate new system electrical service
- Create electrical demolition and relocation plans
- Provide technical specifications

Instrumentation

- Develop new P&ID's, integrating new system equipment and controls
- Coordinate automatic and manual instrument control for new system equipment
- Develop instrument plans indicating instrument locations
- Provide instrument technical specifications and installation details

Assumptions

- Mill will provide Kadant Solutions with required drawing standards, drawing borders, list formats and specification formats
- Kadant Solutions will include one site evaluation and data collection trip as part of this proposal

Overview



Benefits

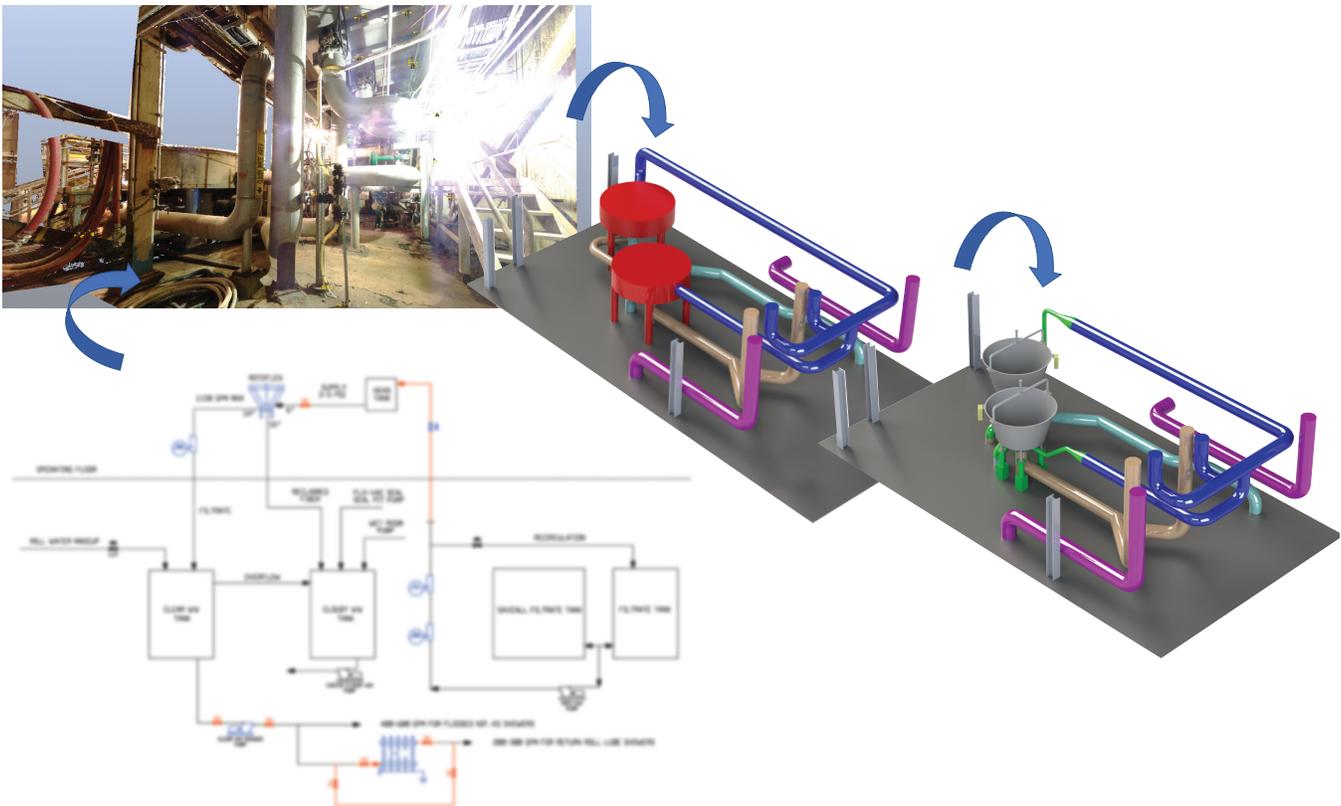
- Provides start-to-finish service and products from one organization
- Engineering expertise from those that designed the product
- Expediting projects through funding cycle

Basic Package

The basic option provides the data needed for the mill to obtain bids from different contractors.

- Site survey to determine removal and installation requirements
- Collect field measurements
- Gather existing mill documentation
- Provide preliminary drawings
- Develop project estimate and final report

Kadant Solutions can also coordinate engineering site visits to review existing building, equipment, piping, instrumentation and electrical installations to allow development of new project systems. A visit may include a site survey to determine removal and installation requirements, field measurements and dimensional checks to allow development of 'concept' layouts and elevations, and a meeting with mill personnel to review project requirements.



Preliminary engineering for a customer in the south of USA, replacing two old gravity filter concerning finer filtration, energy savings, and reliability