

**Wellons, Inc.** is an industry leader in Renewable Energy Products and Lumber Dry Kilns for the wood products industry for over 40 years. As a company providing build to order engineering design, manufacturing, construction and equipment services for multiple industries, Wellons has an opening for an experienced:

### **Mechanical Design Engineer**

The Mechanical Design Engineer reports to the Chief Engineer.

Mechanical Engineer 5-10Y, BSME or Associate degree.

Responsible for design of heavy equipment for biomass fired energy systems such as boiler and Co-Generation plants including fuel handling equipment and conveying systems for biomass.

Interfacing directly with Project lead engineers, piping, electrical, instrumentation and process engineering, other Wellons departments, external consulting and vendors including, but not limited to the responsibilities and authorities outlined below.

1. All activities of mechanical engineering including the conceptual design of heavy process and heat transfer equipment as well as detail design of assemblies, components, shop drawings and specifications.
2. Planning, scheduling and coordination of own work in order to attend contractual schedule.
3. Release of documents to the shop and purchasing.
4. Sizing calculations, specification, selection of all mechanical and heat transfer equipment. Request, analyze and compare quotes for parts and components.
5. Supervision of designers and drafters as required.
6. Participate on kick off meeting.
7. Review of contractual design data with project lead engineer. Define final design criteria with Mechanical Engineering Manager and Chief Engineer.
8. Attend and provide support to internal customers and communication with all Wellons departments.
9. Provide support for start up of Wellons installations as required, including occasional travel.
10. Maintain and improve Wellons procedures.
11. Attend continues education as required

Required knowledge in engineering software:

- Professional in 3-D modeling preferred Autodesk Inventor latest edition, including FE-analysis.
- Professional in AutoCAD 2016 or later.
- Autodesk Revit desired.
- Professional in MS-office applications (Excel, Word, Access) and MathCAD.

- General computer skills.

This list is a basic outline. It may be adjusted at any time in order to attend market or internal changes.

Qualified candidates who possess these skills and are looking for a position in a well-established firm offering medical, vision, dental, and profit sharing, are encouraged to submit a resume with salary/history requirements.