



**POSITION: COMPUTATIONAL FLUID DYNAMICS (CFD)
and WATER TREATMENT ENGINEER**

WORK LOCATION: Bakersfield, CA.

BASIC PURPOSE: This position will report to our Director of CFD Analysis and Engineering and be responsible for CFD and process analysis for water and wastewater treatment projects as well as internal research and development. This position will collaborate with our engineering staff to successfully design solutions to our customers' water and wastewater problems. In addition to job training in advanced uses of CFD and the design and engineering of Mazzei products and processes, Mazzei offers its employees a generous benefits package and competitive base salary.

ESSENTIAL RESPONSIBILITIES: The following list of essential functions for the position is not exhaustive and may be supplemented as necessary.

- CFD modeling of multiphase flows;
- Process calculations for water/wastewater treatment;
- Outside or secondary testing and CFD validation of field trials;
- Perform process trials and advise on product or process modifications;
- Produce CAD drawings for projects;
- Produce CFD reports for internal development projects and customer sales projects;
- Assist in laboratory testing of existing and new products.

DESIRED SKILLS and EXPERIENCE:

- Masters in Engineering preferred, with industry experience in water/process industry;
- Authorization to work in the U.S. is a precondition of employment;
- Chemical or Environmental Engineering background preferred but Mechanical Engineers with relevant experience will be considered.
- Strong fundamental fluid mechanics knowledge;
- Familiarity with ANSYS products: Fluent and /or CFX, Workbench, DesignModeler;
- Knowledge of CAD software: SolidWorks, AutoCAD, Inventor;
- Applicant must be energetic, positive and assertive.

QUALIFIED APPLICANTS SEND RESUMES TO MAZZEI HUMAN RESOURCES AT: INFO@MAZZEI.NET