

## Detailed Job Description – CFD Modeler

Our company is looking for a talented CFD (Computational Fluid Dynamic) modeler to join our team. The applicant should have bachelor or advanced degrees in applied mathematics or statistics. Having basic knowledge in chemistry and environmental science is preferred. The applicant will work closely with our chemists, environmental engineer and process engineers to conduct the most critical and first round of field data collection. Develop and process raw data collected from the field using advanced mathematical and statistical methods and pass these models to our engineering team for waste water treatment plant design and process engineering use. The candidate will be working closely with our project team in both U.S. and China. The candidate will assist our U.S. based consultants for our projects in China particularly in southern China. The candidate will be required to travel to Southern China and work closely with farmers, waste water collectors, local engineers who do not speak English or Mandarin Chinese, therefore it is a must and critical qualification to be fluent in both Mandarin Chinese as well as at least one of southern Chinese dialects. The candidate should have strong local cultural and working knowledge and must work on site and in the field to collect raw data directly from local watercourse, farm lands, channels, rivers and waste water treatment plants. Ideal candidate need to command professional level reading and writing skills in Chinese, as many technical documentations will be in Chinese. Being fluent in mandarin Chinese and Southern Chinese Dialects is a must and the key to ensure that the raw data collected is accurate and reliable. The Candidate must also be fluent in both written and speaking English. Knowledge in information and data processing and data analysis is required to identify viable alternatives to improve productivity. Apply mathematical tools and statistic methods, ideal candidate must be able to create accurate math models and disseminate these knowledge to our company's chemists and environmental engineers in the team and support as well as work with the team to develop process engineering as well as fluid dynamics models for our prospective and current customers The candidate should have strong English communication skills and leadership development potential to communicate and coordinate U.S. based engineers and scientists to conduct research, development and implementation of projects in both U.S. and China.