



Job description

Position:

Fire fighting & Plumbing Engineer

Work area:

Shanghai or other areas

Reference No.

C3-JD-10006

Job specification:

- Carry out design work of a unit or units as required in accordance with agreed project schedule. Supervise the work of assigned subordinates on the project.
- Using the basis of design to make detailed calculations to develop the design and be responsible for the accuracy of these calculations.
- Prepare Process Flow Diagrams, Equipment Specifications and process descriptions for review.
- Prepare Data sheet and Material requirement, Technical Bidding Evaluation or other documents issued for query.
- Ensure that detail design methods, standards and data used conform to client's requirements.
- Review Supplier's quotations from an engineering standpoint.
- Participate in review of project model.

Key qualification:

- Excellent knowledge of Chinese and international fire protection system design & installation codes, specifications and regulations.
- Extensive Experience in the design and sizing of fire protection systems.
- Familiar with hazardous material storage codes.
- Familiar with various fire extinguishing systems:
Foam system, Dry powder system, Extinguisher system,
Hydrant and monitor system, Riser system,
Clean gas agent system,
Water/Foam Deluge system,
Water/Foam Sprinkler system,
Water spray system,
Water mist system.
- Experience in the inspection, testing and start-up of fire protection and detection systems.
- Familiar with project documentation submission procedures and relevant communication to

China Fire Bureau Authorities.

- Excellent knowledge of water system that shall cover the domain of water treatment system and service system in chemical enterprise and building service system listed below.
- Industrial water and potable water supply system,
- Sewer system,
- Cooling tower water system, Includes cooling tower system, automatic chemical dosing system and maintenance monitor system.
- Fire water runoff collecting system,
- Containment system, especially for initial storm system within potential pollution area,
- DI/RO water system.
- Wastewater treatment system,
- Plumbing system,
- Good communication skills in English (speaking and writing) and Mandarin,
- Able to work in a project team environment
- Able to take a fire protection system from design phase to completion
- Familiar with relevant software packages for engineering and design, at least sufficient knowledge in the use of MS Office, AutoCAD, Auto Plant, calculation software, etc.
- University degree in Water system Engineering or environmental engineering.
- At least 8 years with related work experience, chemical engineering background is preferred.

Other requirements:

- Start as soon as possible.
- Salary negotiable.