

SENTHIL KUMAR JAYARAMAN SENIOR FIREFIGHTING AND PROTECTION ENGINEER

Personal, Educational and Language Details:

Indian Fire Fighting and Protection Engineer, Diploma in Chemical Technology, Tamil Nadu in 1999 and graduated B.Tech in Chemical Engineering from Anna University, Tamil Nadu in 2007. Overall 19 years' experience and 10 years' continuous professional experience in the Middle East as a fire fighting and protection engineer. Mother tongue is Tamil and fluent in written and spoken English.

Key Skills:

NFPA Certified Fire Protection Specialist from 2018. Over 10 years' experience in fire protection design and 8 years in piping design and process plant operation. Considerable experience in design and detailing of fire protection and fire plumbing systems for various sectors including retail, schools and universities, residential developments, public and government buildings, sporting facilities and healthcare premises. Experienced in preparing BOQs and specifications for fire protection systems as per the project requirements. Familiar with industry code and standards such as NFPA, IPC, IFC, IBC, SBC and industrial standards such as Royal Commission, ARAMCO, SABIC and SEC. Fully familiar with PIPENET, Elite FIRE, HASS software for hydraulic analysis of fire water and sprinkler systems.

Experience:

2009-present: Fahd Alireza Engineering Consultants, Saudi Arabia – Senior Fire Fighting and Fire Protection Engineer:

Senior Fire Fighting and Fire Protection Engineer responsible, under the Lead Mechanical Engineer, for all mechanical engineering design work undertaken in the Al Khobar office. Involved in the design and development for fire protection systems and plumbing systems for various clients such as the Royal Commission, ARAMCO, SABIC, SEC, Universities and hospitals. The project activities include the preparation of fire protection system design philosophies, piping and equipment layout drawings, piping isometrics, section and details drawings, material take-off, bills of quantities, construction specifications, list of deliverables, and man-hour requirements for proposals. Detailed knowledge in the use of Elite Fire and PIPENET software for fire protection demand load calculations; pressure drop calculations; pump sizing and pipe sizing calculations; gas fire protection systems calculations related to complete the design.

Projects undertaken include those for RC, ARAMCO, & SABIC; such as: horse track, grandstand and facilities; Red Crescent building and completion of RIC; RIC support service Facilities; Secondary Infrastructure & Construction of 392 Family Apartments; Development of Jalmudah Shoreline; Labour Camp Phase 1; Construction of Villas in Jalmudah; Primary & Secondary Infrastructure design of 350ha housing project; design of 2600 Housing Units in Al Jubail; and SABIC Emergency Response Academy.

2006-2008: Alpan Consulting Engineers Pvt Ltd, India – Piping Design Engineer:

Work description and responsibilities include pipe sizing and pressure drop calculations; preparation of piping general arrangements and ISO drawings; line list; equipment list; valve list; material take-off; bills of quantities; equipment and piping modeling through PDS; all for Bilt Power Ltd, 40 MW Power Plant, Maharashtra.

2003-2006: Nicholas Piramal India Ltd, India – Team Member Technical Services:

Nicholas Piramal India Ltd is one of the largest intermediate bulk drug manufacturing companies in India. The Technical Services Team was responsible for new project developments; modification of existing plants to suit revised requirements stipulated by the production team; was responsible for monitoring and controlling the plant activities during normal operations; plant start-ups, shut-downs and troubleshooting.

2000-2003: Petro Araldite Pvt Ltd, India – Team Member Operation:

Petro Araldite Pvt Ltd is a specialist in the manufacture of epoxy resins located in Chennai, India. Work description and responsibilities as a member of the Operation Team included monitoring and controlling the plant activities through DCS operation, plant starts-up, shut-downs and troubleshooting.