

Job Title: SP3D Piping Designer

Location: UAE

Department: Engineering / Design

Experience: 3–8 years

Employment Type: Full-time

Job Summary

We are seeking an experienced SP3D Piping Designer to join our dynamic engineering design team. The ideal candidate will be responsible for modeling and designing piping systems using SmartPlant 3D (SP3D) for large-scale industrial and EPC projects, ensuring accuracy, quality, and compliance with client and industry standards.

Key Responsibilities

- Perform 3D modeling of piping, equipment, and supports using SP3D
 - Develop and maintain piping layout and general arrangement (GA) drawings
 - Generate isometric drawings, MTOs, and pipe support drawings
 - Conduct clash detection and resolution using SmartPlant Review/Navisworks
 - Coordinate with piping engineers, process, structural, mechanical, and electrical teams
 - Ensure compliance with relevant codes such as ASME, ANSI, API, etc.
 - Update models and drawings based on markups or redlines from engineering reviews
 - Participate in model reviews and ensure client requirements are met
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Qualifications & Skills Required

- Diploma or Degree in Mechanical Engineering or equivalent
 - 3+ years of experience in piping design using SP3D in Oil & Gas or related industry
 - Proficient in SP3D, AutoCAD, and Navisworks
 - Familiarity with piping standards, symbols, and best practices
 - Strong understanding of 3D model hierarchy and data integrity in SP3D
 - Ability to interpret P&IDs, equipment layouts, and vendor drawings
 - Good communication and team coordination skills
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Preferred Skills (Nice to Have)

- **Experience with SmartPlant Review or other 3D design tools**
 - **Basic knowledge of PDMS or E3D**
 - **Experience in offshore piping layout or greenfield/brownfield projects**
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Compensation

- **Competitive salary based on experience**
- **Performance bonuses, medical benefits, and flexible work hours**