



PR/124041 | Piping Engineer

Job Information

Recruiter

JAC Recruitment Indonesia

Job ID

1618609

Industry

Civil Engineering and Construction

Job Type

Permanent Full-time

Location

Indonesia

Salary

Negotiable, based on experience

Refreshed

October 20th, 2026 10:32

General Requirements

Minimum Experience Level

Over 3 years

Career Level

Mid Career

Minimum English Level

Business Level

Minimum Japanese Level

None

Minimum Education Level

Associate Degree/Diploma

Visa Status

No permission to work in Japan required

Job Description

The Piping Engineer role is responsible for comprehensive piping system design, engineering, and implementation for a wastewater treatment plant construction project in Jakarta. The position covers piping and pipe-support design, material and quantity management, vendor coordination, interdisciplinary collaboration, technical documentation, and site support throughout the project lifecycle.

Responsibilities

Design & Engineering

- Review and revise piping and instrumentation diagrams, piping layouts, and isometric drawings

- Review 3D model outputs using Navisworks for clash detection and design optimization
- Prepare and check piping material take-off
- Create material specifications and technical documentation
- Design piping systems in compliance with international standards
- Design and optimize piping support systems, including standard and special support details
- Perform pipe-support load calculations and ensure optimal placement
- Review and revise pipe-support drawings
- Review and approve vendor drawings and technical submissions

Vendor Management

- Assist with vendor technical proposals and technical evaluations for piping, pipe fittings, and piping accessories
- Participate in technical bid clarification meetings with vendors
- Review vendor documentation, including data sheets, drawings, and quality plans, under supervision
- Provide technical support during manufacturing and inspection activities

Technical Communication & Client Interface

- Prepare draft technical clarification responses to client review comments
- Maintain technical correspondence logs
- Participate in client technical meetings and design reviews
- Prepare draft technical deviations when required

Material Management & Procurement

- Review and check bills of materials generated from the 3D model
- Calculate and apply appropriate allowances for final procurement quantities
- Prepare and update comprehensive piping bills of materials covering pipes, pipe fittings, piping accessories, and pipe supports under supervision
- Prepare material take-offs and technical bid evaluations
- Assist with technical specifications for the procurement of piping materials, valves, and accessories

Quantity Management

- Check and maintain the quantity-tracking system for piping materials and supports
- Check support quantities from 3D model outputs
- Review and check pipe-support bills of materials

- Monitor material usage and update quantity forecasts

Requirements

- Bachelor's degree in Mechanical Engineering or a related field
- 2–3 years of experience in piping design for industrial plants
- Familiarity with Microsoft Office and AutoCAD
- Business-level fluency in written and spoken English

Required technical skills:

- Familiarity with Navisworks for model review and clash detection
- Basic understanding of pipe-support standards
- Familiarity with support load-calculation program
- Familiarity with national and international piping codes, standards, and specifications
- Understanding of manufacturing processes for piping components
- Familiarity with quality-control requirements
- Experience preparing material take-offs and bills of materials
- Experience in vendor technical evaluation and management
- Knowledge of material specifications and procurement

Preferred qualifications:

- Experience in wastewater treatment plant projects
- Familiarity with engineering, procurement, and construction project execution
- Familiarity with 3D modelling software

About the company

A joint operation in the engineering and construction industry supporting a major infrastructure development in Indonesia. The organization brings together multidisciplinary expertise to deliver complex projects through coordinated engineering, procurement, and construction activities.

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Company Description