



ENGINEERS AND CONSTRUCTORS

Michael J. Pardo Non-Metallic's SME

OVERVIEW

Non-Metallic's Subject Matter Expert (SME) with over 10 years' experience helping projects/clients to design more efficiently and safely through specific Insulation, Fireproofing, and Protective Coatings specifications.

SUMMARY OF EXPERIENCE

Projects Associated:

- Chemical Plant Projects
- Liquid Natural Gas Projects
- Pipeline Projects
- Refineries
- Mining and Metals Projects
- Power/Nuclear Projects

Competencies:

- Protective Coatings
- Linings
- Thermal Insulation
- Fireproofing
- Hydrotesting Water Quality
- Industry Codes and Standards
- Specification Writing
- Field Inspection
- Shop/Field Audits
- Welding Inspection
- Metallurgy
- Safety

S&B PROJECT EXPERIENCE

01/22 – present

S&B Engineers and Constructors, Ltd.

Non-Metallics Specialist

Multiple Projects – Houston, TX

(01/22 – present)

Projects Included:

Chemical Plants, Hydrogen Plant, Processing Plants, and Refineries.

Responsibilities:

Complete assigned technical work within Coatings, Insulation, and Fireproofing Scope of work. Work with Project managers to help prepare documentation and specifications for successful project completion. Provide working knowledge of Selection and Utilization of materials of construction –painting, coating, fireproofing, and insulation. Assist in conceptual designs, studies, reports, and proposals. Perform calculations and basic preliminary analyses for Insulation Thicknesses. Check manufacturers' drawings, procedures, and data for compliance with project related specifications. Compile, verify and correlate data relating to engineering problems. Perform audits and evaluate suppliers

and Subcontractors in field and in shop. Provide input to and/or maintain records for equipment and components. Preparation of material requisitions, specifications, white papers, and other related procurement documents for corporate and project specific use.

PREVIOUS EMPLOYMENT

2020 – 2022 Aspen Aerogel, Inc

Gulf Coast Technical Director

Multiple Projects – Global Oil, Gas, & Chemicals (10/20 – 01/22)

Projects Included:

Worked on numerous projects throughout my time at Aspen pertaining to Chemical Plants, Liquid natural Gas (LNG) Plants, Refineries, Bio-fuel projects, Renewables Projects, Pipeline projects.

Responsibilities:

Technical leader focused on aerogel-based industrial insulation. Set-up Budgets, Proposals, and Project Timelines. Provide application engineering for customers, partners, and global sales team. Provide Insulation System Comparisons to Clients. Foster Business Development Opportunities with Customers. Setup Application Training for Site Craft and Contractors. Provide Insulation system evaluations and recommendations to optimize piping and equipment as well as specification review and optimization. Provide Insulation Calculations based on customer requirements. Manage all Oil and Gas/ Energy Accounts for Technical needs.

2012 – 2020 Bechtel Corporation

Non-Metallics Engineer

Multiple Projects Across Business Lines – Global (06/12 – 10/20)

Projects Included:

Uranium Processing Facility (DOE-USA), NASA Launcher 2 (DOE), Plant Vogtle Nuclear Reactor (USA), Wheatstone LNG (Australia), Angola LNG (Africa), Mozambique LNG (Africa), Queensland Curtis LNG (Australia), Australia Pacific LNG (Australia), Sabine Pass LNG (USA), Corpus Christi LNG (USA), Rio Grande LNG (USA), Ascend Performance Polypropylene Project (USA), Escondido Pipeline (Chili), Pennsylvania Chemical (USA), Multiple Infrastructure Jobs around world, Hanford Vit Plant (DOE-USA), Bluegrass Chemical Weapons Depot (DOD-USA) & BP Troc (Trinidad Onshore Compression). Also apart of multiple Front End Engineering Design projects.

Responsibilities:

Complete assigned technical work within Coatings, Insulation, and Fireproofing Scope of work. Work with Project managers to help prepare documentation and specifications for successful project completion. Provide working knowledge of Selection and Utilization of materials of construction – piping, structural steel, welding, painting, coating, insulation, and concrete. Assist in conceptual designs, studies, reports, and proposals. Perform calculations and basic preliminary analyses for Thermal Insulation Thicknesses. Check manufacturers' drawings, procedures, and data for compliance with project related specifications. Assist in the development of established design concepts for process

systems, structures, and equipment. Assist in development and review of project related Material Selection Diagrams, Process Flow Diagrams, and Piping and Instrumentation Diagrams. Review discipline material quantity estimates. Compile, verify and correlate data relating to engineering problems. Perform audits and evaluate suppliers and Subcontractors in field and in shop. Provide input to and/or maintain records for equipment and components. Preparation of material requisitions, specifications, white papers, and other related procurement documents for corporate and project specific use. Assist in the development and verification of project control documents and status reports.

2009 – 2012

Contour Engineering, Inc.

Project/Field Engineer

Multiple Projects Across Business Lines – Gulf Coast (USA)

(01/09 – 06/12)

Projects Included:

Power Plants, Wastewater Plants, Processing Plants, Highway DOT Work, Residential, Large-scale Shopping Centers, and light industrial projects.

Responsibilities:

Prepared technical and progress reports on projects, reviewed specifications and plans for project, evaluated suppliers and analyze mix designs and Geo-technical reports. Prepared estimates, bids, and proposals for Geotechnical work, third party inspections, and materials testing. Acted as liaison across multiple disciplines such as Structural Engineers, Architects, Civil Engineers, Quality Engineers, and Clients. Coordinated and managed technicians in field and in testing laboratory, analyze and review field reports and timesheets. Performed multiple different inspections including concrete, welding, coatings, and soils testing. Extensive background knowledge in Concrete placement, aggregate, mix designs, testing, and inspections. Working knowledge of Structural steel bolting pattern, erection, inspection, and welding

EDUCATION

University of Alabama at Birmingham
Masters of Business Administration
Anticipated Graduation May 2023

University of Alabama at Birmingham
Masters of Engineering in Construction Engineering

University of Alabama at Birmingham
Bachelors of Science in Materials Engineering

CERTIFICATIONS

AMPP Coatings Inspector Level 1 – 79448
CWIA - 13121694