



## David Gomez

**P.E.**

### Senior Project Manager

#### Department

Engineering Services

**Tel:** (646) 288-8078

**Email:** david.gomez@yagroup.com

#### Locations

New York, NY

## Biography

Mr. David Gomez holds a Bachelor of Engineering in Marine Engineering and a U.S. Coast Guard Second Assistant Engineer license. He is a licensed Professional Engineer in ten states, including New York, New Jersey, Connecticut, Pennsylvania, Rhode Island, Massachusetts, New Hampshire, Florida, Georgia, and Louisiana.

Mr. Gomez brings extensive experience across plant engineering, facilities management, and construction project management in the marine, cultural arts, entertainment, and real estate sectors. His expertise spans the full project lifecycle—from planning, design, and construction through commissioning, operations, and compliance—with a strong focus on fire safety and building systems performance.

As a forensic engineer, Mr. Gomez conducts root-cause analyses of a wide range of failures, including mechanical (HVAC, MEP, and fire protection), moisture intrusion through building envelopes and foundations, electrical distribution issues, elevator and escalator malfunctions, and damage to marine vessels and marinas. He evaluates building systems and structural components across residential, commercial, institutional, and industrial properties.

## Credentials

- P.E. | Professional Engineer
- U.S. COAST GUARD SECOND ASSISTANT ENGINEER
- EPA UNIVERSAL REFRIGERATION CERTIFICATE
- OSHA 10-HOUR SAFETY COURSE

## Representative Consulting Assignments

- Residential Dwelling | Lightning Strike | HVA Equipment Evaluation
- Residential Dwelling | Tropical Storm Ida (NYC) | Sanitary Plumbing System Reverse Flow Assessment
- Residential Dwelling | Water Loss | Hydronic Radiant Floor System
- Residential and Commercial Buildings | Water Loss | Elevator and Escalator Assessments
- Commercial/Industrial Building | Mechanical Coolant Failure | Dry Cleaning Plant Assessment
- Residential and Commercial Buildings | Water Loss | Fire Sprinkler System Assessment
- Residential | Water Loss | HVAC Equipment Assessment
- Residential Dwelling | Moisture Intrusion | Wood Shake Roof Damage Assessment
- Residential and Commercial Buildings | Hurricane Ian (SW Florida) | Roof and Structural Framing Damage Assessments
- Residential Dwelling | Construction Damage | Structural Assessments Due to Neighboring Railroad Expansion Project
- Residential and Commercial Buildings | Hail and Wind Loss | Roof System

Evaluations (Asphalt Shingles, Concrete Tiles, Metal Panels, and Roof Membranes

- Residential and Commercial Buildings | Structural Damage | Foundation Displacement Evaluation
- Residential Marine | Structural Damage | Seawall Failure Assessment
- Municipal Marine | Vessel Failure | Seaworthy Assessment Including Equipment Evaluation
- Commercial Marine | Personal Injury | Boat Club Marina Dock Evaluation

## Professional Experience

- 2025 - Current | Senior Project Manager | YA Group
- 2021 - 2025 | Forensic Engineer | Rimkus
- 2018 - 2019 | Assistant Director of Engineering | TF Cornerstone
- 2011 - 2018 | Senior Engineering Manager | The Walt Disney Company
- 2006 - 2011 | Associate Chief Engineer | The Metropolitan Museum of Art
- 2002 - 2006 | Third Assistant Engineer | Military Sealift Command

## Area of Practice

- Building Envelope
- Builder's Risk
- Condition Assessment
- Controls Engineering
- Construction Defect Reviews
- Damage Assessment
- Electrical & Mechanical Systems and Failures
- Equipment Restoration
- Failure Analysis
- Fire and Life Safety Systems
- HVAC and Mechanical Systems
- Litigation Support
- Marine Structures
- Mechanical Testing of Materials
- Plumbing Systems
- Products Liability
- Building Code Upgrade Review
- Roofing
- Solar Array Inspection
- Structural Analysis
- Water Leakage Testing and Analysis

## Education

- S.U.N.Y Maritime College - Bachelor of Engineering - Marine Engineering - Throggs Neck - New York

## Training Courses

- OSHA 10-Hour Safety Course
- Haag Residential Roof Course
- ACROBAT Roof Specific Rope Access Training
- Building Pathology
- FM Global SimZone Training Seminar
- Leak Detection for Roofs
- Roofing Materials

- Anatomy of Construction Defects
- Structural Masonry Materials
- Hurricane Damage Investigation- Wind vs. Water
- Coastal Engineering: Hurricanes and Nor'Easters
- Protecting Water Systems through Backflow Prevention
- HVAC Systems Controls
- NFPA 70E Updates
- Filtration and Air Cleaning
- HVAC Acoustics
- Boiler Technology
- ASHRAE Guidelines, Building Automation Systems
- Ethics for Professionals
- Orenco Systems Pumps 101
- Natural Gas System - Sizing and Design Consideration
- Water-Based Fire Suppression Systems
- HVAC System Fans
- Reliability Engineering Essentials
- Electrical Fire Alarm Systems
- Building Design and Construction Features for Fire Protection
- Confined Spaces Safety Awareness and Response
- Respiratory Protection Program

## Affiliations

- ASHRAE

## Licenses

- 090230 - New York - Professional Engineer
- 24GE05761100 - New Jersey - Professional Engineer
- PEN.0036081 - Connecticut - Professional Engineer
- 57928 - Massachusetts - Professional Engineer
- 14660 - Rhode Island - Professional Engineer
- 17483 - New Hampshire - Professional Engineer
- PE094070 - Pennsylvania - Professional Engineer
- PE045865 - Georgia - Professional Engineer
- 88393 - Florida - Professional Engineer
- PE.0045413 - Louisiana - Professional Engineer