



## Scott Abraham

PE

### Senior Managing Engineer

#### Department

Engineering Services

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**Email:** scott.abraham@yagroup.com

#### Locations

Magnolia, TX

Houston, TX

Galveston, TX

## Biography

Scott Abraham is a professional engineer with over 20 years of experience in engineering design, procurement, construction, quality assurance, and forensic analysis across a wide range of construction types. Scott is a trusted resource to insurance carriers, attorneys, building owners, design professionals, contractors, and federal agencies.

Scott's forensic expertise includes failure analysis involving structural damage, site and utility damage, subsurface damage to structures, catastrophe response, soil and foundation instability, material and construction defects, and evaluations of code and contract compliance. He has also led catastrophe and storm-damage assessments related to hurricane winds, storm surge, tornadoes, floods, and hail.

Earlier in his career, Scott contributed to projects during Operation Iraqi Freedom, applying his engineering skills in challenging and dynamic environments.

## Credentials

- PE | Professional Engineer
- FAA Certified Drone Pilot
- HAAG Certified Inspector- Commercial
- HAAG Certified Inspector- Residential
- TDI Windstorm Certificate of Compliance (WPI-8) Qualified Inspector

## Representative Consulting Assignments

- Multistory Building | Construction Defect | Evaluation of contract compliance by contractor and designer for masonry, building envelope, fenestrations, subdrainage and drainage, utilities, parking lot flatwork, and surface water intrusion
- Single-Story Building | Fire Damage | Evaluation and extent of fire damage to steel and wood structural components and roof components and conceptual scope of repairs
- Residential Building | Structural Collapse | Collapse of enclosed garage structure as a result of owner modifications and removal of structural framing components
- Structure Foundation | Differential Foundation Movement | Evaluation of structural slab on grade foundation elevation, structural components and finishes, and plumbing system
- Residential Subdivision | Subrogation | Structural damage to multiple residences due to construction vibrations at nearby artificial levee, stormwater discharge, and pile-driving construction
- Commercial Building | Subrogation | Evaluation of photovoltaic panel hot spots, burns, and pre-mature failure of system
- Residential Pool | Construction Defect | Evaluation of pool design, construction, and material defects, non-destructive and destructive testing,

petrographic review, and conceptual scope of repairs

- Solar Farm | Construction Defect | Evaluation of site runoff and detention pond during construction and negative effect on nearby Waters of the US (WOTUS)
- MUD Water Treatment Plant | Construction Defect | Soil Contamination due to lack of decommissioning of diesel tank and failure of compliance with (TCEQ)
- Offshore Rig Construction Facility | Storm Damage | Determination and cause of failure of seal walls, building structures, and foundations; and preparation of conceptual scope of repairs
- Church Complex | Storm Damage | Analysis of structures after hurricane-force wind damage for integrity and widespread interior water damage and exterior storm-created openings

## Professional Experience

- 2025 - Current | Senior Managing Engineer | YA Group
- 2022 - 2025 | Principal Engineer | Caliber Forensics
- 2015 - 2022 | Project Engineer/Senior Project Engineer | Envista Forensics
- 2011 - 2015 | General Engineer | DGA Operations
- 2006 - 2007 | Civil Engineer | United States Army Corps of Engineers, Iraq
- 2004 - 2011 | Civil Engineer/Senior Civil Engineer | Fort Hood Directorate of Public Works (DPW)

## Education

- Texas A&M University - Bachelor of Science - Civil Engineering - College Station - Texas

## Affiliations

- American Society of Civil Engineers
- Architectural Engineering Institute Foundation Performance Association

## Licenses

- 108441 - Texas - PE
- 47383 - Louisiana - PE
- 95768 - Florida - PE