



Matthew Rem PE, FAACDP
Senior Managing Engineer

Department
Engineering

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Locations
Houston, TX

Biography

Matthew obtained his Electrical Engineering degree from Clarkson University. He began his career designing, programming, installing, and commissioning emissions controls and performance upgrades for natural gas compression engines and facilities; projects that often involved reviving equipment manufactured in the 1920s and last used in the 1980s. Moving on to larger projects, he began designing electrical systems for land-rigs and jack-up-rigs (oil rigs). Services Matthew offers include analysis of residential, commercial, and industrial equipment and systems, repair cost analysis, root cause failure analysis, product design and defect analysis, origin and cause investigations for fires and explosions.

Education

- Clarkson University | Potsdam, New York
Bachelor of Science - Electrical Engineering

Professional Experience

- 2022 - Current | Senior Managing Engineer | YA Engineering Services
- 2018 - 2022 | Senior Project Engineer | Envista Forensics
- 2016 - 2018 | Consulting Engineer | Engineering Design & Testing Corp.
- 2015 - 2015 | Applications Engineer II | R Stahl
- 2010 - 2014 | Engineer | LeTourneau Technologies / Cameron
- 2007 - 2010 | Engineer | Hoerbiger Engineering Services

Areas of Practice

- Building Code Upgrade Review
- Condition Assessment
- Damage Assessment
- Failure Analysis
- Fire and Life Safety Systems
- HVAC and Mechanical Systems
- Litigation Support
- Marine Structures
- Non-Destructive Testing
- Repair and Rehabilitation Design
- Repair Cost Estimating

Representative Consulting Assignments

- Grain Processing Facility Fire
Origin and Cause Investigation
- Manufacturing Company - Electrocution
Texas | Litigation Support
- Brewery
Louisiana | Electrical Equipment Damage Assessment
- Electrical Substation Equipment Damage

- Assorted Locations | Electrical Equipment Damage Assessment
- Tank Battery Explosion
Origin and Cause Investigation
- Telecommunication Company - Electric Shock
Texas | Litigation Support
- Solar Array
Assorted Locations | Electrical Equipment Damage Assessment
- Manufacturing Company - Transformer Equipment Damage
Kansas | Litigation Support
- Marine Explosion
Louisiana | Origin and Cause Investigation
- Hydroelectric Facility
New Hampshire | Electrical Equipment Damage Assessment

Licenses

- Alabama | 35913-E | Professional Engineer
- Arkansas | 17273 | Professional Engineer
- Colorado | PE.0060278 | Professional Engineer
- District of Columbia | PE922025 | Professional Engineer
- Florida | 84752 | Professional Engineer
- Hawaii | PE-20138-0 | Professional Engineer
- Kansas | PE26744 | Professional Engineer
- Louisiana | 40710 | Professional Engineer
- Mississippi | 32670 | Professional Engineer
- Missouri | 2019000325 | Professional Engineer
- New Hampshire | 15657 | Professional Engineer
- New Jersey | 24GE05458800 | Professional Engineer
- New Mexico | 23607 | Professional Engineer
- New York | 101234 | Professional Engineer
- North Carolina | 54843 | Professional Engineer
- Oklahoma | 28743 | Professional Engineer
- Rhode Island | 14443 | Professional Engineer
- Tennessee | 127695 | Professional Engineer
- Texas | 116973 | Professional Engineer