



Daniel Adams

PE, CFEI, CFII

Senior Project Manager

Department

Engineering Services

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Locations

Austin, TX

Houston, TX

San Antonio, TX

Biography

Daniel Adams is a senior project manager and mechanical forensic engineer who specializes in facilities, process, and equipment design across upstream, midstream, downstream, and terminal operations. His technical background also includes commercial and residential plumbing, HVAC systems, boilers, and elevator systems. Daniel maintains an active NCEES record, enabling rapid licensure in additional states beyond those listed below.

Daniel has delivered onshore and offshore facility designs for both U.S. and international projects; including, leading facility upgrades in Equatorial Guinea and offshore platform projects in Angola and the Gulf of Mexico. His equipment and well pad facility designs are actively in use throughout Ohio, West Virginia, Pennsylvania, and West Texas.

Highly versed in ASME, API, NFPA, and CFR standards—including BPVC, B31.3/4/8/12, 49CFR192/193/195, API 650/12F, API 2000, API 520/521, and API 500/505—Daniel has engineered a wide range of systems and equipment such as separators, tanks, pumps, pig launchers, instrumentation, rail loading arms, valves, piping systems, and burner management systems. His forensic engineering practice also includes investigations of HVAC system damages, including chillers, cooling towers, rooftop units, packaged DX systems, fan coil units, and VTAC systems.

Driven by curiosity, challenge, and the opportunity to lead, Daniel thrives in guiding high-performing teams and collaborating with talented professionals across the industry. Reach out to him today to get started on your next project.

Credentials

- PE | Professional Engineer
- CFEI | Certified Fire and Explosion Investigator
- CFII | Certified Fire Investigation Instructor

Representative Consulting Assignments

- Single Family Home | Water Damage | Ruptured angle stop valve
- Single Family Home | Water damage to basement | Cracked pool pump strainer resulted in a loss of water containment
- Hotel | Cooling tower fan shaft failure | Food spoilage and business interruption
- Single family residence | Water Damage | Crack in a cross-linked Polyethylene (PEX-A) fitting
- Industrial Rental Boiler | Explosion | Inadvertent ignition of accumulated gas in a semi enclosed space
- Multistory Residence | Water Damage | Faulty pipe support installation allowed for a pipe to slip out of a coupling
- Seventy-two (72) Roof Top Units | Unit Damages | A microburst caused loose construction materials to propel at high speeds and collide with the

RTUs

- Twelve (12) story vacated commercial building | Vandalism | Performed an assessment of the mechanical equipment condition
- Equipment Damage | Grit bar and Classifier at a water treatment facility were damaged during heavy rainfall | A recommendation was made for a replacement and repair

Professional Experience

- 2025 - Current | Senior Project Manager | YA group
- 2024 - 2025 | Senior Mechanical Engineer | Equinox Engineering USA
- 2023 - 2024 | Supervising Mechanical Engineer | JTAM Engineering
- 2022 - 2023 | Forensic Engineer | MKA International
- 2021 - 2021 | Professional Engineer | alliantgroup
- 2020 - 2020 | Mechanical Design Engineer | Strategy Engineering and Consulting
- 2017 - 2020 | Facilities Engineer | EDG Engineers
- 2016 - 2017 | Project Manager | Frameworks Manufacturing
- 2012 - 2015 | Facilities Engineer | EDG Engineers
- 2012 - 2012 | Mechanical Project Engineer | Basic Systems
- 2003 - 2004 | Rotating Equipment Engineer Co-op | ExxonMobil Chemical
- 2002 - 2003 | Rotating Equipment Engineer Co-op | ExxonMobil Chemical

Education

- The Ohio State University - Bachelor of Science - Mechanical Engineering - Columbus - Ohio

Training Courses

- H2S Clear - 2024

Affiliations

- American Society of Mechanical Engineers (ASME)
- National Association of Fire Investigators (NAFI), International
- National Fire Protection Association (NFPA)

Licenses

- 130596 - Texas - Professional Engineer
- PE.0046983 - Louisiana - Professional Engineer
- 94667 - Florida - Professional Engineer
- 12898358-2202 - Utah - Professional Engineer
- 030300 - Nevada - Professional Engineer
- M 41293 - California - Professional Engineer
- PE097251 - Pennsylvania - Professional Engineer