



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 is a Senior Project Manager and Mechanical Forensic Engineer with extensive expertise 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.

A Licensed Professional Engineer in Texas, Louisiana, Florida, California, Utah, Nevada, and Pennsylvania, Daniel also maintains an active NCEES record, enabling rapid licensure in additional states. He is recognized for his leadership, technical acumen, and ability to foster strong communication with internal and external stakeholders.

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

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. He is committed to delivering innovative solutions that enhance safety, performance, and long-term value.

### **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