

## **EDUCATION**

- 1988                    **Bachelor of Science, Mechanical Engineering**  
California Polytechnic University at San Luis Obispo, California
- 1985                    **Associate of Arts, in Engineering**  
Diablo Valley College, Pleasant Hill, California

## **EXPERIENCE**

- 1999  
to Present            **Engineering Design and Testing Corp.**  
**Houston, Texas**
- Consulting Engineer (March 1999 – April 2020)*  
*Houston District Office Engineering Manager (April 2020 - Present)*  
Senior consultant performing evaluation of equipment failure and industrial accidents especially with regard to gas and steam turbines. Work performed includes root cause analysis, damage assessment and repair/replacement cost estimating and analysis. Experience areas include petroleum refining, petrochemicals, fertilizer, electrical utilities, gas pipeline, water utilities, building materials, and other commercial/industrial mechanical systems.
- 1988 to 1999        **Parsons Energy & Chemicals Group**  
**Pasadena, California**
- 1997 to 1999        *Senior Engineer*  
Lead rotating equipment engineer. Responsible for the equipment selection for a variety of rotating equipment including pumps, compressors and centrifugal blowers. Generated procurement specifications; evaluated vendor equipment proposals and reviewed vendor data. Responsible for engineering discipline coordination. Supervised engineers. Resolved and directed technical equipment selection issues. Witnessed equipment testing. Produced engineering study reports. Developed software for use by the equipment group. Performed computer training.
- 1992 to 1997        *Engineer*  
Provided engineering support for the procurement of miscellaneous rotating equipment including industrial gas turbine driven compressor trains up to 60,000 hp and generators up to 84 MW. Extensive experience with gas turbine driven equipment and auxiliary equipment. Additional packaged equipment experience included API pumps, ANSI pumps, general purpose pumps, metering pumps, air compressors, and diesel generators. Generated procurement specifications, evaluated vendor equipment proposals, reviewed vendor data. Responsible for engineering discipline coordination. Witnessed equipment testing. Produced engineering study reports. Resolved technical equipment selection issues. Developed software for use by the equipment group. Performed computer training.
- 1989 to 1992        *Associate Engineer*  
Responsible for the engineering support for the procurement of 50,000 horsepower gas turbine-driven tandem gas reinjection compressors and other miscellaneous rotating equipment. Member of an engineering study to evaluate the feasibility of applying a GE frame 6 (GE MS6001B) gas turbine for a mechanical drive application.

Evaluated vendor equipment proposals. Reviewed vendor data. Inter discipline coordination. Witnessed equipment testing. Produced engineering study reports.

1984 to 1985

**ENGEO, Inc.**  
**Concord, California**

*Laboratory Technician*

Description Performed various tests on soil samples including moisture density, direct shear, unconfined compression and plasticity index.

*Draftsman*

Prepared figures for publication in engineering reports.

## **REGISTRATIONS and CERTIFICATIONS**

National Council of Examiners for Engineering and Surveying (#20956 / 16 906 10)

Registered Professional Engineer in Arizona (#37669)

Registered Professional Engineer in Arkansas (#13166)

Registered Professional Engineer in California (#M027811)

Registered Professional Engineer in Connecticut (#31925)

Registered Professional Engineer in Florida (#85695)

Registered Professional Engineer in Georgia (#PE042783)

Registered Professional Engineer in Hawaii (#PE-15940)

Registered Professional Engineer in Iowa (#19186)

Registered Professional Engineer in Kansas (#21344)

Registered Professional Engineer in Louisiana (#30030)

Registered Professional Engineer in Maine (#14269)

Registered Professional Engineer in Massachusetts (#54656)

Registered Professional Engineer in Michigan (#6201069971)

Registered Professional Engineer in Minnesota (#56031)

Registered Professional Engineer in Mississippi (#18724)

Registered Professional Engineer in Missouri (#2004001368)

Registered Professional Engineer in Montana (#59987)

Registered Professional Engineer in Nevada (#024587)

Registered Professional Engineer in New Hampshire (#15590)

Registered Professional Engineer in New Mexico (#15667)

Registered Professional Engineer in New York (#101185)

Registered Professional Engineer in North Carolina (#050049)

Registered Professional Engineer in North Dakota (#PE-9326)

Registered Professional Engineer in Ohio (#73859)

Registered Professional Engineer in Oklahoma (#24739)

Registered Professional Engineer in Pennsylvania (#PE077382)

Registered Professional Engineer in Texas (#81685)

Registered Professional Engineer in US Virgin Islands (#1676-E)

Registered Professional Engineer in West Virginia (#20392)

### **PROFESSIONAL ORGANIZATIONS**

ASM International

ASME International

National Fire Protection Association (NFPA)

Society of Automotive Engineers (SAE)