

JAMES A. BERKLEY, PE, MBA

SUMMARY OF QUALIFICATIONS

- Differential knowledge in rotating equipment/turbomachinery operations, reliability, maintenance, troubleshooting, recovery, and specification.
- Demonstrated ability to initiate, lead, and implement projects. Team oriented.
- Experienced in operations, maintenance, financial management, project management, implementing new techniques and technologies, and building a cohesive team.
- Able to get to the heart of the matter quickly and implement a solution. Energetic, practical, and down to earth.
- Additional commercial capabilities and experience as an MBA.

PROFESSIONAL EXPERIENCE

10/07 – present Tern Technologies, Inc. Prudhoe Bay, AK

Sr. Rotating Equipment Engineer

Provide specialized technical consultation services to BP Alaska on large turbomachinery. Address complex technical issues using troubleshooting, diagnostic, and analytic skills. Approximately 100 major turbomachinery trains in service, mostly gas turbine drive, in gas compression, high pressure water injection pumps, and power generation service. Work often requires real time solutions to complex technical and operational problems. Multidisciplinary approach using mechanical, electrical, controls, instrumentation, and organizational skills. Work with field personnel, vendors, specialized technical vendors and contractors. Specify repair techniques and scope, spares, and work to engineer parts to replace obsolete or superseded designs, improving plant operations and reliability. Also conceive, lead and execute reliability engineering efforts, including RCFA's and PM's. Program FARO arm for use in QC and troubleshooting efforts. Run lubrication program. Train and direct less experienced engineers. Uphold safety and environmental standards. Remote location, two week on, two week off schedule.

4/99 – 10/07 Berkley Consulting Santa Barbara, CA

Owner

Provided commercial and technical services to clients in product development and manufacturing environments. Served as an interim executive (CFO, COO, Board Member) for businesses in turnaround circumstances. Identified and hired key personnel. Used broad experience and background to help clients implement new programs, products, and concepts. Areas of expertise included financial/forensic/operational analysis and recovery plans for businesses in trouble, business/accounting system selection and implementation, product engineering and launch, project planning and execution, cost estimation and analysis, manufacturing (process) engineering, CAD/CAM systems, market analysis and marketing program design, business performance analysis, and management/negotiation of legal and contract disputes.

4/94 – 4/99 California Manufacturing Enterprises Los Angeles, CA

CME is a privately held family of companies.

VP of Operations

Performed turnaround of a shrinking, obsolete contract manufacturing firm. Applied tremendous personal energy to the rebuilding process. Worked directly with everyone from floor personnel to the owners, fundamentally changing the way business was done. Built strong relationships with the

rank and file – improving morale and respect. Rebuilt difficult and fractured customer relationships. Revamped business and manufacturing processes to conform to market requirements, including real-time production control, accounting, and CAD/CAM systems. Outsourced non-critical functions. Used engineering abilities to select and implement specific manufacturing technologies to make the company competitive with minimal capital. Implemented these new technologies personally (e.g., programming CNC equipment, training operators, etc).

8/92-4/94

Arco Alaska, Inc.

Anchorage, AK

Evaluation Analyst

Performed financial analysis and modeling of internal projects, political risk and events, and competition. Used engineering experience to work directly with engineering and geoscience departments. Programs typically were upstream capital projects for infill drilling, lease sales, facilities development, tax negotiations with state authorities, or acquisition of properties and rights. Served as commercial/financial lead in analyzing ANS (Alaska North Slope) gas sales. Techniques for analysis included financial, decision science, and statistical techniques. Analyzed and ranked projects for capital budget process. Worked 1 year and 5 year plans.

2/84-6/90

BP Exploration Alaska, Inc.

Anchorage, AK
Prudhoe Bay, AK

Varied Engineering Assignments

Moved through multiple project and operating engineering assignments in a harsh, arctic environment.

Facility/Process Engineer: (Prudhoe Bay, AK) Provided facility and process engineering at a separation facility handling 200,000 barrels of oil per day. Initiated technical and economic evaluations of plant modifications, “selling” the modifications to corporate engineering, management, and plant personnel. Provided troubleshooting services and resolved operational problems. Approved shutdown plans and procedures. Relief supervised for the Facility, Operations, and Maintenance Supervisors. Week on/week off schedule

Development Engineer: (Anchorage, AK) Evaluated project execution and economics, performed conceptual engineering, and obtained funding for capital projects valued to \$50 million. Worked in teams evaluating and funding projects to \$500 million. Worked on strategic planning and budgeting efforts.

Rotating Equipment/ Commissioning Engineer: (Anchorage and Prudhoe Bay, AK) Provided on-site and home office engineering support for over one-half million horsepower of rotating equipment. Worked on lower-48 construction and as commissioning engineer for an accelerated completion of a \$100 million gas lift compression project. Conceived and implemented solutions to technical and operational problems.

EDUCATION

- 1992 MBA Anderson Graduate School of Management at UCLA. Magna Cum Laude, Venture Capital Fellow.
- 1983 BS, Mechanical Engineering, Texas A&M University, Cum Laude.

REFERENCES

Available upon request.