



J. B. Shepherd & Company, Inc.

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Bushnell, FL 33513
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Louis D. Vanacore, P.E. PMP, CRMP; Senior Project Engineer *Curriculum Vitae*

PROFESSIONAL SERVICES:

- ❖ Engineering consultation and forensic evaluation of corporate planning, design, construction, operation and maintenance projects
- ❖ Preparation and planning of outdoor plant hardening to effectively anticipate predictable Acts-of-God and protect employees and the public from any adverse effects.
- ❖ Design effective inspection programs to identify defects or conditions that could endanger persons and property
- ❖ Evaluate mechanical strength of utility construction standards considering wind and ice loading conditions.
- ❖ Investigation of wildland (forest) fires involving mechanical failure of utility support structures and appurtenances.
- ❖ Forensic engineering and failure analysis.
- ❖ Consultation, arbitration and mediation services.
- ❖ Construction contracts, labor relations and collective bargaining agreements.
- ❖ Utility right-of-way utilization considering protection of support structures and the public in the traveled way.
- ❖ Risk assessment management systems in a regulatory environment and regulatory compliance.



PROFESSIONAL QUALIFICATIONS:

- ❖ Certified Reliability and Maintenance Professional – CMRP (active)
- ❖ Registered Professional Engineer in the State of Florida (active)

- ❖ Registered Professional Engineer in the State of Alabama (active)
- ❖ Registered Professional Engineer in the State of Tennessee (retired)
- ❖ Registered Professional Engineer in the State of South Carolina (retired)
- ❖ Registered Professional Engineer in the State of Indiana (retired)
- ❖ Commissioning Process Management Professional - CPMP by American Society of Heating and Professional Engineers
- ❖ Certified Project Management Professional - PMP by the Project Management Institute

EDUCATION:

- ❖ University of South Florida, School of Engineering, Bachelor of Engineering Science, 1970
- ❖ Kemper-Tregoe Project Management Certificate
- ❖ Florida International University – Project Management Certificate

INDUSTRY AND COMMUNITY ACTIVITIES:

- ❖ American Society of Quality – Senior Member (retired)
- ❖ Project Management Institute - Member

EMPLOYMENT HISTORY:

- ❖ **2018 – Present:** Associate Senior Engineer, J. B. Shepherd & Company, Inc., Bushnell, FL
Consultant performing evaluation and expert consultation, project analysis, multi-discipline asset condition assessments, compliance inspections, hazard assessment and analysis, and code interpretation and design support.
- ❖ **2014 – Present:** Owner, Louis Vanacore, P.E., Marianna FL
Consultant performing multi-discipline asset condition assessments, compliance inspections, hazard assessment and analysis, and code interpretation and design support.
- ❖ **2009 – 2014:** Director of Projects and Design Engineering, Aerospace Testing Alliance Inc, Tullahoma TN
Responsible for capital investment organization for a federal research and testing facility. Performing planning, requirements, design, and implementation of high reliability, sustainable state-of-the-art testing systems. Required risk analysis, hazard assessments, and accident investigations to establish design requirements and corrective actions. Over \$500 M in projects underway at any given time.
- ❖ **2007 – 2009:** Engineering Manager, Jacobs Engineering; Cary NC

Industrial design/contractor for pulp and paper, and pharmaceutical companies. Consulted with owner's representative to establish cost effective improvements to improve maintainability and reliability of assets.

- ❖ **2006 – 2007:** Design Consultant, Jacobs Engineering, Cincinnati OH
Worked with design team to establish process, maintenance and reliability requirements for two pharmaceutical projects each valued at over \$500 M.
- ❖ **1998 – 2005:** Director of Projects and Design, and Regional Quality Director, Jacobs Engineering, OakRidge TN
Oversight of hazardous, toxic, radioactive and waste related design associated with federal military and weapons facilities. Heavy emphasis on management of configuration, hazard assessment, risk analysis, and risk mitigation associated primarily with aged installations. Performed work to Nuclear Quality Assurance-NQA-1 requirements. Included assessments to determine hardening requirements for process installations.
- ❖ **1994-1997:** Site Engineering Manager, Jacobs Engineering, Mobile AL & Greenville SC
Onsite maintenance, repair and construction at the largest paper mill in US. Including multi-discipline hazard assessments, risk analysis, safe plan of action of high-risk process and equipment.
- ❖ **1991 – 1994:** Project Manager: Jacobs Engineering, Augusta Ga
Performed multi-discipline engineering, and maintenance support to Department of Energy Nuclear Production Facility in Aiken SC. Performed asset assessment, over-pressure protection program, developed corrective actions and life extension planning and design for aged infrastructure located throughout a federal reservation.
- ❖ **1987 – 1991:** Mechanical Engineering Manager: Jacobs Engineering, Lakeland FL
Performed engineering and maintenance consulting to NASA Kennedy Space Center. Maintenance and reliability upgrades to existing facilities to accommodate installation's mission. Involved determinations of asset condition, anticipated remaining life to establish repair-replace decisions. Establish requirements to assure only salient features would be incorporated and over-design avoided.
- ❖ **1980-1987:** Owner, Aero Engineered Systems Inc., Tampa FL
Consultant for mechanical/process systems to architects, and owners of process industries, educational systems. Supported the assessment of existing systems for expansion and determination of repair/replace decision.
- ❖ **1975-1980:** Plant Engineer, E-Systems Inc. (now Raytheon), St Petersburg FL
Responsible for multi-discipline maintenance and operation of unique specialty gas systems involved in the production of electronic circuits and hardware for military use. Involved management of hazardous, toxic materials, condition assessments, risk analysis, incident investigations and asset retirement determinations. Included hardening of outside hazardous material transfer pad in anticipation of unrest.
- ❖ **1970 – 1973:** Plant Engineer, Anheuser-Busch Inc, Tampa FL
Responsible for multi-discipline oversight maintenance of entertainment park facilities. Activities included incident investigation, asset assessment, maintenance planning, new construction support. Included hardening of power transformers in anticipation of labor unrest.

PRESENTATIONS/PUBLICATIONS:

- ❖ “Improbability does *not* imply Impossibility” SMRP Annual Conference, October 21-24, 2014; Orlando Florida

- ❖ “The Invisible Tax on Team Yield,” SMRP Annual Conference, October 17-20, 2016; Jacksonville Florida