

CURRICULUM VITAE - PETER PETROVSKY, PE

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PROFESSIONAL CREDENTIALS

Registered Professional Engineer - Mechanical, CA 1981 (#M21101)
Registered Professional Engineer - Civil, CA, 1983 (#C37022)
General Engineering and General Building Contractor, CA, 1982 (A, B #566024RME)
Additional Classifications C-12 License Board SME (Subject Matter Expert) - Earthwork & Paving
Hazardous Waste – HAZ, Registered Environmental Assessor, CA (RCE 03778, inactive)
Contractors State License Board Industry Expert (IE) in Classifications A, B, and C12

EDUCATION, TRAINING, AND QUALIFICATIONS

General Engineering, Bachelor of Science, CA State University Northridge, 1980
Graduate Studies (no degree), Civil/Structural Engineering, CA State University Northridge, 1980-1985
Environmental, Engineering and Law Courses, University of CA, Santa Barbara
FLIR Thermography, Level 1 Thermographer
State Bar of CA Mandatory Fee Arbitration, Appointed as a Fee Arbitrator, 2014
MCLE Speaker on various topics, including expert witness selection and premises liability
Computer expertise: AutoCAD, Land Dev., Inventor & Building System Desktops, ANSYS
Professional Memberships (past or current): ASME, ASCE, Forensic Expert Witness Association, SAE, SIA, NSPE, The Society of American Military Engineers, American Water Works Association AWWA, Illumination Society

DIVERSIFIED ENGINEERING OF WESTLAKE, INC., CA Operations Manager and President

1984 - Present

Plans and manages all operations, including fieldwork. Designs and prepares grading plans, commercial structures, office buildings, single family dwellings, and multi-unit residential facilities. Designs mechanical building systems. Insures compliance with various codes and administrative regulations, including OSHA, ASME Boiler and Pressure Vessel Code, Federal Construction Specifications, and ASTM Codes. Provides all supporting engineering services for complete site plans, including hydrology, street design, waterline and sewer design. Performs major and minor subdivisions from beginning to recording. Represents clients in variety of entitlement applications. Provides environmental documentation including traffic studies, biology, soils, and geology reports. Provides technical expertise in real estate transactions. Provides expert witness services in engineering, entitlement, construction, and safety. Assists the California Contractors State License Board in the resolution of complaints against various licensed contractors.

MAJOR PROJECTS:

- a. Approximately 50 parcel maps and tracts
- b. Contractor Quality Control at Point Mugu Naval Station
- c. Residential Construction of approximately 35 homes
- d. Public works road, water, and sewer construction projects.

AMERICAN TRACTOR EQUIPMENT CORP., CA
Vice President, Engineering

1993 – Present

Design and manufacture of attachments for earthmoving equipment. Research and development for new cable plow, vibratory drivers, rippers and slope boards. Department management and customer liaison. All design and drawings in solid models. Set up licensing program. Provides expert witness services in the use and design of construction equipment and attachments.

MAJOR PROJECTS:

- a. Produce special cable plow for mid-size bulldozers
- b. Design and produce slope boards for all sizes of bulldozers

AIRESEARCH, Applied Mechanics Group, CA
Applied Mechanics Support Engineer/Analyst

1982 – 1984

Airesearch (now Allied Signal) is a well-known manufacturer of MACK trucks, turbo-machinery, heat exchanges, and related products. Consulted for various engineering departments of Airesearch. Provided a broad spectrum of engineering support using state of the art computer software, including finite element and solid modeling technology. Implemented research program evaluation procedures with design of test setups. Supported product lines of aerospace heat exchangers, pressure vessels and commercial turbo machinery. Performed services as an outside engineering consultant.

MAJOR PROJECTS:

- a. Turbo-expander for gas liquefaction
- b. F-16 flap wing actuator and Boeing 747 elevator redesign program
- c. M1 Bradley tank AC unit
- d. “Smart” tank projectile design and FEA analysis

PIPE TECHNOLOGY SYSTEMS CORPORATION, CA
Project Manager

1980 – 1982

Pipe Technology Systems produced design documentation and provided construction management services for construction and refurbishing of factories. Managed and designed construction of Babson Milk Tank production facilities, GATX hopper car facilities in Illinois, and Richmond Tank Car plants in Texas. Provided management for mechanical, manufacturing and civil engineering support for “turn-key” installation, including buildings, equipment layout, etc. Provided inspection and insured contractors’ compliance with contract documents. Responsible for the design and construction of metal fabrication equipment for the production of various large cylindrical metal products.

MAJOR PROJECTS:

- a. Construction of \$30M Richmond (Railroad) Tank Car Company Steel Fabrication Facility
- b. Feasibility study and cost estimating of Babson Bros Transport Plant
- c. GATX – Hopper railroad car production plant
- d. Ship propeller maintenance station design and construction, Long Beach Naval Shipyards
- e. Brown and Root pile driving systems for offshore drilling rigs

AMERON CORPORATION., EEC, CA
Development Project Manager

1978 – 1980

Managed research, development and evaluation of steel and reinforced pipe (concrete and plastic) and coatings for construction industry (products used in municipal water and sewer projects). Responsible for troubleshooting of pipe manufacturing, grading and bedding installation problems in the field. Employed the use of electronics and micro-processor data acquisition systems. Worked with division management and clients. Extensive exposure to electronics and micro-processor data acquisition systems for monitoring stress, strain, temperature, corrosion, and vibration.

MAJOR PROJECTS:

- a. Central Arizona Water Project – Trouble shoot cracking failure of 24 ft. diameter concrete pipe
- b. American Pipe Institute – Failure and analysis of reinforced concrete pipe
- c. North Sea Platform, Norway – Forensic studies and evaluation of sand filled epoxy
- d. Research fiber reinforced epoxy pipe for chemical processing industry

SIERRACIN CORPORATION, CA
Project Engineer, Engineering

1976 - 1978

Project Manager and client liaison for design and manufacturing of aircraft transparencies and related products. Managed product design from proposal to delivery. Work included airframe structural analysis, material selection, and testing.

MAJOR PROJECTS:

- a. CL 600 business jet windshield assembly design and field testing in Toronto, Canada
- b. Electronic aircraft windshield heater controller unit design and laboratory testing
- c. Other projects included, “hot patch” for light aircraft and large aircraft windshield support

BARRY WRIGHT, INC., CA
Project Engineer, Development

1974 - 1976

Project Manager for design and manufacturing of vibration isolation and other related commercial and aerospace mechanical systems. Extensive development works with new materials, elastomers and lubricants using state of the art computer programs. Part of a research and development team for the design and prototype fabrication of pipe shock isolators “snubber” for nuclear facilities.

U.S. ARMY, Dugway Proving Grounds, UT
Specialist 5th Class/Sergeant

1971 - 1974

Computer programmer and operator using FORTRAN and Basic. Operated IBM 360 mainframe computer in a support group for Chemical and Engineering Team. Computer processing of analysis and implementation of weather data and its influence on chemical data gathering at Dugway Proving Grounds. Honor Graduate from turbine engine school in Ft. Eustis, VA, and Heating Ventilation and Air Conditioning (HVAC) School at Fort Humphries in Korea. Attended Officers Prep Courses, University of Maryland, Utah and BYU. Earned MOS as a Turbine Engine Mechanic & Helicopter Door Gunner, Sergeant-Personnel Specialist, and Linguist.

FORENSIC EXPERIENCE

1984 – Present

Peter Petrovsky, PE, has provided services as a consultant and expert witness in applied civil and mechanical engineering science, building, infrastructure, and earthwork contracting. His strength and experience is to successfully combine engineering and applied mechanics, research and development with field experience and contracting skills. His shirtsleeve approach to problem solving gives him the ability to distill complex technical issues to a understandable presentation in the appropriate forum, including jury or bench trials, arbitration, settlement negotiation, and mediation. He has served in approximately 600 cases. Assisted equally, counsel for plaintiffs and defendants on cases in California, New York, Illinois, Indiana, Pennsylvania, Hawaii, Kentucky, Ohio, and Nevada. His word of advice to attorneys and carriers is to consult with an expert at the onset of a dispute rather than to wait for time to designate. A skilled, sincere, seasoned expert should be able to help frame and focus a case, including discovery, key issues and, should provide a direction that will save time and money.

Forensic technical consultant to:

Forensic Expert Advisors 2000-2005
TASA 1997-Current
Diligence, Inc. 2009-Current
Litigation Legal Insight 2015-Current

ForensisGroup 1999-2001
Wagner Hohns Inglis, Inc. 1999-2000
Thomson Reuters Expert Witness 2012-Current

CLIENT TESTIMONIALS:

REAL EXPERTISE AND EXPERIENCE

"Peter's expertise and experience, and, equally important, his ability to explain technical matters in plain English, were invaluable to my understanding of the complex engineering questions central to the case."

A. M. Esq. LAW OFFICES OF
ALEXANDER MAGHADDAM, PC

INVALUABLE ASSISTANCE AND PROFESSIONALISM

"As you know, the jury in the above-entitled trial returned a unanimous defense verdict after only one hour of deliberation last Friday. Afterward, I received substantial jury feedback complimenting the strength and quality of your testimony as well as your

demeanor on the stand.

..., I want to take this opportunity to thank you again for your invaluable assistance and professionalism in this matter. I enjoyed working with you and hope to have the opportunity to do so again soon..."

J. R. Esq. LAW OFFICES OF JAMES R.
ROSEN

DEDICATED AND SUPERB WORK

"..I take this opportunity to thank you personally on the behalf of myself, Gary Wollberg, Kevin Wheeler and Mitsubishi Heavy Industries, for your dedication, consummate professionalism, and superb work. I appreciated greatly the way you responded to every challenge from dealing with the complexity and scope of the issues confronting us to the unfailing courtesy you showed me. Thank you. It was a joy to work

with and learn from the best."

G.S. Esq. MUSICK, PEELER & GARRETT
LLP

EXCELLENT WORK ETHIC

"I will advise the other members of my firm as well as the carrier that in the event that we need any additional experts in terms of engineering or on other matters, they should keep you in mind, as well as any other engineers at Diversified Engineering....I will be certain to make sure that you are at the forefront of our expert list and that our personal injury and litigation department is aware of what appears to be your excellent work ethic.

S.R.D. Esq. SIEGEL, MORENO &
STETTLER, APC

I APPRECIATE THE WORK YOU PERFORMED

"I appreciate the work you performed on this case and look forward to working with you on future matters. Thank you."

M. W. Esq. HARRINGTON, FOXX,
DUBROW & CANTER, LLP

THANKS FOR YOUR INSIGHTS

"The case settled yesterday. Thanks Peter for your insights regarding the vehicle code, very helpful."

K.V. Esq. LAW OFFICES OF SANTANA,
TCHENG, VIERRA & SYMONDS

*Recent trials:

\$30,000,000 unanimous construction fatality
jury verdict in Los Angeles Superior Court,
Anaya v. General Eq.

\$4,000,000 judge trial in property damage in
Ventura Superior Court in favor of Ojai
Theater

Jury defense verdict in favor of the City of
Santa Barbara in personal injury case Carter v.
City of Santa Barbara et. al.

*Vast majority of my cases (about 95%)
settled