



Statement
of
Qualifications



Civil

Engineering

Land Surveying

Structural

Design

Development

Alternative

Energy

Systems

Project Design

Communications

Systems

3D Design and

Modeling

GIS

Management

Consulting

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A full range of engineering services for more than 30 years

JES Engineering supports clients with civil, structural, electrical and communications systems engineering, land surveying and GIS services, along with project design, management and consulting.

We offer full-scale engineering services to a full range of clients. They range from individual homeowners and architects to cities, counties, government agencies and some of the largest companies in the world. JES maintains headquarters in Livermore, California, and has direct or affiliate offices in Sacramento and Bakersfield, California, and New Mexico.

For more than 30 years, we've solved problems and leveraged best practices to deliver exceptional work on time and on budget. Part of our mission is to help companies achieve their goals in the most streamlined, cost-effective and timely manner, to improve their bottom line.

FIRM NAME, ADDRESS AND CONTACT INFORMATION

JES Engineering, Inc.

2021 Las Positas Court, Suite 155 Livermore, California 94551

925-449-1735

www.jesengineering.com

CORPORATE INFORMATION

JES Engineering is a California Corporation

DUNS Number: 14-501-6924



Current Clients and Projects

A tailored approach to provide solid, cost-effective solutions

JES maintains a flexible approach to working with clients. We can act as a turnkey supplier or as a seamless adjunct to your team. We maintain a solid foundation of in-house professionals, and a strong network of partners. This gives us the ability to keep costs down, and scale up quickly when necessary.

Current JES clients and projects include:

- Providing engineering, land survey and GIS support services for EDF (enXco), an industry leader in renewable energy.
- Providing design, survey and engineering services for the telecommunication industry for companies such as Ericsson, Verizon, AT&T, T-Mobile and Metro PCS.
- Providing project management, consulting and engineering services for local municipalities, local developers and utilities.

Client List

A diverse client base, from individuals to companies and government agencies

JES Engineering is proud to have worked with the following organizations.

American Tower	Don Keef & Associates
AT&T	EDF (enXco)
Baran	Ericsson
Bechtel	Metro PCS
BHFL Architects	National Park Service
California Waterfowl Association	NSA Wireless
CH2MHill	Providence Development
Church on the Hill	Seeno Homes
Citation Homes	SMUD (Sacramento Municipal Utility District)
City of Ceres	Sprint/Nextel Communications
City of Modesto	T-Mobile
City of Pleasant Hill	USS-Posco
ComposiCon	Verizon Wireless
Contra Costa County	W.E. O'Neill
Crown Castle	West Coast Sign & Electric
Denova Homes	White Construction



Our Team

The people behind JES Engineering

JES Engineering maintains a diverse team comprised of members from a variety of engineering disciplines and multiple countries. The diversity provides us the unique ability to leverage talents and different perspectives to solve issues efficiently and effectively.

In addition to our full-time in-house and field staff, we maintain a strong network of contractor relationships across the country. This translates into three powerful benefits:

1. The ability to keep overhead costs down to save clients money.
2. The ability to scale up immediately for large projects nationwide.
3. The ability to select the most appropriate specialists for projects.

Key Team Members

GLEN LEWIS, P.E. *Owner/Principal*

For more than 30 years, Glen Lewis has worked as a civil engineer, handling a broad spectrum of issues, problems and solutions for cities, counties and some of the world's largest corporations. As owner/principal of JES Engineering, Inc., Glen plays an instrumental role in engineering utility and telecommunication projects, developing and building power stations, substations, wind and solar farms, transmission lines and telecommunication towers. Glen's background includes extensive work for the government, with nearly 20 years as City Engineer/Public Works Director. This experience facilitates a streamlined process in working with multiple agencies and myriad regulations.

Glen and the JES team play a significant role in the development and construction of some of the largest wind and solar farms in the United States. The team provides a full range of engineering services for public infrastructure, structures, hydrology and hydraulics, construction methods and administration, CAD design, public administration and capital improvements, land surveying (including topographic, boundary, GPS, and construction surveys) and mechanical systems. Glen earned his BS in Civil Engineering at Brigham Young University. He is a registered Civil Engineer in California and Nevada.



JEFF IRVINE *Vice President*

Jeff Irvine has more than 25 years of experience working in project management and daily operations for the utility and telecommunications industries. He has worked extensively in the United States and internationally, overseeing the engineering and construction of utility companies, substations, wind farms, solar farms, transmission lines and telecommunication towers. His years of international work include successful large-scale projects in Bogota, Colombia, and Indonesia, which earned him a reputation for effective project management in scenarios that ranged from straightforward to extreme and hazardous. As project manager, he oversees a complex network of teams and suppliers that span multiple countries. He specializes in keeping projects on time and on budget, and in turning around under-performing projects. In his roles as project manager and operations manager, he has successfully overseen large-scale projects totaling in excess of \$450 million. These include projects for JES Engineering, Alcoa, enXco, Koll Telecommunications, Bechtel, AT&T, Motorola, Sprint, Verizon and the United States Coast Guard.

Jeff focuses primarily on project management for emerging technologies; in recent years for the alternate-energy industry. Additionally, he has strong experience in business startups, new market development, new project deployment, operations organization, property acquisition, land use approvals and construction management.

KENNETH L. CARTER *Secretary Treasurer and Chief Financial Officer*

Ken Carter serves as secretary treasurer and chief financial officer for JES Engineering. With more than 30 years' experience acquiring, operating and building businesses, Ken has an extensive background in management, from supervising construction field personnel, to executive management. At JES, Ken oversees the accounting department, and assists in daily operations. His business background extends to valuations and acquisition. He has successfully completed more than a dozen mergers and acquisitions. Ken was educated at Brigham Young University, with a special focus on accounting and finance. He holds C-10, C-20, C-45, D-21, D-24, C-57, and C-61 licenses from the Contractor's License Board, and a Real Estate License.

TODD PACE, P.E. *Engineering Manager*

Todd Pace is a civil engineer who manages multiple design staff members for JES Engineering. His background includes extensive experience in wind energy projects, water resources engineering and various types of land development projects. Todd acts as a liaison between various parties, including the client, consultants, cities, counties and state agencies, such as the Department of Water Resources, Caltrans and the Department of Fish and Game. He is formally



educated and very experienced in water-related issues and design, including potable and non-potable water systems, sanitary sewer, hydrology and storm drainage infrastructure. Todd holds a bachelor's of science degree in Civil Engineering and a master's degree in business administration. Todd is a licensed Professional Engineer in the State of California and is a Qualified SWPPP Developer and a Qualified SWPPP Practitioner.

RIEN GROENEWOUD, P.L.S., CFedS *Professional Land Surveyor*

Rien Groenewoud brings decades of experience in land surveying to the JES Engineering team. He also brings international experience, having begun his surveying career in The Netherlands. Rien plays a key role in overseeing land survey work, evaluating deeds, analyzing field survey data and recording survey maps for all phases of survey mapping. He has vast experience preparing improvement plans, evaluating job sites, managing field crews, and supervising work methods to ensure accuracy, efficiency, and cost savings. He is well-versed in working with public agencies, and in providing them with proper documentation in a timely manner. Rien is a Certified Federal Surveyor (CFedS), and holds licenses as a Professional Land Surveyor in the states of California, Utah and Arizona. He is also certified as an Engineer-in-Training in California, and holds a California Real Estate License.



Services

Land

Cost-effective solutions for land-based projects

- Civil Engineering
- Surveying
- Development
- Structural Engineering
- 3D Design/Modeling
- GIS (Geographic Information Systems)

Our land services include:

Civil engineering: We provide a wide range of civil engineering services for the design, construction and maintenance of buildings, roads and bridges. Our clients run the gamut too, from individuals to municipalities, and private companies to public.

GIS Geographic Information System: Our GIS services enable more accurate geographic information, better decision making and more cost-effective mapping. The efficiencies save you time and money.

3D Design/Modeling: We can create 3D models, download the information into vehicles with GPS, and automate the survey and grading process. This can save as much as 20 to 30 percent in costs.

Surveying: Our survey and staking services reflect the ultimate in precision, which translates into a highly efficient handoff to the design and construction teams. We use total station and GPS, along with other leading technologies, to gather the most accurate information.

Development: We team up with architects, developers and individuals to provide engineering services for the design, construction and renovation of projects. From foundations and drainage, to environmental issues and utilities, we work to ensure developments are safe and sound, with all permits in place. Our vast experience with governmental agencies assists in streamlining the process. We speak their language, and use that knowledge to reduce entitlement time and costs.

Structural: Our structural services include analyzing, researching, planning and designing for towers, buildings and bridges.



Energy

Helping companies to achieve greater power

- Alternate Energy
- Substations
- Transmission Lines

In the energy realm, we typically work for utility developers and utility companies. We find solutions for production, transmission, infrastructure and environmental issues.

Our services include:

Alternate Energy: For years, we've been deeply involved in the green energy field. We specialize in wind and solar farms, from pre-development, environmental issues, design and surveying, to construction and bringing turbines and solar panels online.

Substations: We provide civil engineering services for a variety of substation requirements. Our services typically include site planning, grading and access design, structural design, and construction staking.

Transmission Lines: JES provides all land-related civil engineering work associated with transmission lines. Among the services are route planning, legal descriptions, land surveying and grading.

Water

Water Ways: Traveling over, flow, distribution and quality

- Bridges
- Hydrology
- SWPPP Storm Water Pollution and Prevention Program

Our water-related services include:

Bridges: We provide services to analyze force, stress, and environmental factors for bridges. We also provide engineered solutions for vehicular and trail bridges.

Hydrology: Our teams use extensive years of data, field verifications of watershed, and various analysis techniques to calculate storm water flow to bridges.

SWPPP Storm Water Pollution and Prevention Program: To enhance the quality of storm water runoff from our projects, we develop SWPPPs, file them with the state, and then provide measuring and monitoring services for water runoff. JES Engineering is a Qualified SWPPP Developer and a Qualified SWPPP Practitioner.



Communications

Experts in getting the word out

- Wireless Sites
- Microwave Systems
- SCADA (Supervisory Control and Data Acquisition)

We provide services for:

Wireless Sites: Few companies have the depth and breadth of experience that we do in this category. Key team members were pioneers in the industry, and have built towers all over the world. We provide A&E, land survey and structural design services for all of the major carriers.

Microwave systems: Similar to our experience in wireless sites, few companies can match our decades of experience in designing these complex systems.

SCADA *Supervisory Control and Data Acquisition:* We design the communication networks that utilize SCADA protocols to monitor your systems.

Government

Governing precision: Engineering for city, county, state and military agencies

JES Engineering has more than 30 years of experience working with a wide range of government agencies. We provide services for city, county, state and military engineering projects that include water systems, streets, drainage, electrical, sewage and more. If it involves the ground, we've got it covered.

We also provide contract employees; in-house professionals to work within your offices for the duration of projects.

Vast experience in municipalities

JES Engineering brings an unusual level of expertise to municipalities. Owner/Principal Glen Lewis worked for nearly 20 years as a City Engineer/ Public Works Director. This level of in-depth experience creates a fluency few engineering companies can match. Working with multiple agencies and complex regulations is second-nature, which saves time, money and headaches.

