Exceptional Commitment To Quality
Kleinfelder is an employee-owned engineering, science, and architecture consulting firm providing solutions to meet our world’s complex infrastructure and natural resource challenges.

At Kleinfelder our business is built on a track record of proven success and long-term relationships. Our breadth of expertise and range of services allow us to bring clients value across multiple aspects and phases of their diverse challenges.

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Image on the front cover: Natomas Levee - Sacramento, CA

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"Kleinfelder understands the importance of water to our clients, communities, and families. We deliver solutions to sustainably manage this vital resource."
Water Services

Water is one of the world’s most precious natural resources. Our clients are faced with increasing urban development, population growth, evolving technologies, competing stakeholders, and changing regulations. Balancing our water supplies, exploring new water sources, and sustaining current water assets is more complex than ever.

Through our proven expertise and capabilities, Kleinfelder helps create a sustainable water supply for the health and economic well-being of our communities. We are committed to protecting and restoring vital infrastructure and developing new water supplies, while protecting the environment, conserving and reclaiming water, and managing our water resources.
Kleinfelder provides in-depth expertise in the design of new dams and remediation of existing dams and hydropower facilities. Our capabilities encompass all facets of planning, design, and construction of earthfill, rockfill, gravity concrete, and roller compacted concrete (RCC) dams. We provide conceptual through final design plans, specifications, construction cost estimates, and construction management. Kleinfelder’s hydropower experts perform feasibility studies, transient analysis, turbine specification, and conceptual through final design for trashracks, intakes, isolation gates, penstocks, and power houses on hydropower generation facilities.

Project in Focus

The East Bay Municipal Utility District selected Kleinfelder to serve as the onsite construction manager and to provide geotechnical construction support solutions for the $54.6-million rehabilitation and seismic upgrade of San Pablo Dam in Northern California. Our methods have saved several million dollars in construction costs and avoided the significant environmental impacts associated with draining the dam’s reservoir and building a temporary pipeline. The project won both the American Society of Civil Engineers (ASCE) Region 9 and the ASCE San Francisco Section Geotechnical Project of the Year awards.
Levees

Levees are an integral part of a community’s infrastructure and provide a controlled path for a water course, to protect communities from flooding. Kleinfelder experts evaluate, design, remediate, and oversee construction of levees across the U.S. We understand the unique nature and challenges of levee safety programs. Our levee inspection, investigation, and design projects are at the forefront of risk-based safety procedures evolving across the world.

• Emergency Action Planning
• Environmental Services
• Hydrologic & Hydraulic Analyses
• Field Exploration of Levee Systems
• Levee Assessments
• Levee Engineering Analysis
• Levee Design & Rehabilitation
• Levee Safety & Risk Analysis
• Structural Engineering
• Construction Management
• Laboratory Testing & Materials Characterization
• Construction Materials Testing

Project in Focus

Serving as a prime consultant to the Sacramento Area Flood Control Agency (SAFCA), Kleinfelder is helping to bring 42 miles of critical levees into compliance with U.S. Army Corps of Engineers design criteria and California Department of Water Resources guidelines. Kleinfelder is assessing levee performance and making levee remediation recommendations to achieve a 200-year-level of flood protection for the area. As the project progresses into construction, Kleinfelder’s oversight is helping SAFCA limit its risk exposure, make practical management decisions, and meet an accelerated project schedule.
Water Infrastructure
Kleinfelder plans and designs total water solutions to help clients supply and distribute safe drinking water, manage stormwater, and collect and treat wastewater. We balance the water infrastructure that sustains human activity while supporting environmental stewardship. Our holistic and collaborative approach offers solutions that address financial, social, and environmental concerns, from concept through construction services.

Project in Focus
The Narragansett Bay Commission selected Kleinfelder as the prime consultant to provide preliminary and final design and manage the construction of an extensive upgrade to the Fields Point Wastewater Treatment Facility, which serves the city of Providence, RI, and surrounding communities. Kleinfelder’s talented architects, engineers, and scientists are working together to complete the various tasks of the upgrade while keeping the facility fully functional. Once complete, this facility will contain the largest Integrated Fixed-Film Activated Sludge (IFAS) treatment process in the world for biological nutrient removal.
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