



PROFESSIONAL PROFILE



Jay M. Shipley, PE

National Director of Public Sector & Industrial Services Principal Engineer

EXPERIENCE SUMMARY

Mr. Shipley is a client-focused, senior-level executive with over twenty-five years of proven leadership in the global environmental design and consulting market. He creates and implements business growth strategies through investments in people, practices, and clients. Mr. Shipley understands the nuances of the environmental market locally and nationally, as well as how to successfully collaborate and execute integrated projects on a global scale. He has a track record of success managing large groups of professionals, leading global account programs, developing and executing strategic plans, and delivering results.

TECHNICAL SPECIALTIES

Mr. Shipley's technical experience covers a broad spectrum of environmental consulting activities including designing, installing, and operating soil and groundwater treatment systems employing various remedial technologies including high vacuum and dual-phase extraction, carbon adsorption, thermal and catalytic oxidation, air sparging, in situ chemical oxidation (ISCO), and advanced oxidation. In addition, Mr. Shipley has directed or managed hundreds of groundwater and soil contamination projects. He has been involved in numerous large acquisitions and due diligence efforts, as well as supporting contractual negotiations to manage environmental liabilities. He has also managed soil and groundwater investigation/remediation projects for private sector and public sector clients; performed pilot studies for soil vapor extraction (SVE), air sparging, landfill gas recovery, and groundwater and wastewater treatment systems; prepared and reviewed technical reports, proposals, and bid packages; and worked as a corrosion engineer designing, installing, and testing cathodic protection systems.

REPRESENTATIVE PROJECTS

- Director, U.S. Municipal Sector for the Arcadis' Environmental Business Line, responsible for the growth and strategy of the environmental municipal market within the greater United States. Specific achievements include:
 - Established a strategic plan and structure for US municipal market.
 - Managed winning strategy and pursuit of \$1.5 million Green Business contract with major LA municipal agency. This was the first ever environmental award for Arcadis.
 - Led winning pursuit of two separate three-year/\$15 million on-call contracts with the City of Los Angeles Department of Recreation and Parks (LARAP).
 - Led five-year, \$75 million winning pursuit for major urban transportation agency to manage environmental construction services.
 - Prepared the strategy for a multi-year, multi-million-dollar environmental contract with the State of Florida.
 - Team leader for large contract wins for the City of Chicago and Chicago Metra.
- Program Manager for a \$20 million urban redevelopment project consisting of a contaminated industrial property located adjacent to the Los Angeles River and in an underserved community. The Site had been used for various industrial purposes since about 1910 and included several structures, underground storage tanks, and areas of subsurface contamination. Worked closely with stakeholders and regulatory agencies to develop a comprehensive assessment and remediation plan for the Site that aligned with the ultimate use of the Site as a community park.

CONTACT INFORMATION

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EDUCATION

MBA, University of Redlands,
2001

BS, Chemical Engineering,
California State Polytechnic
University, Pomona, 1998



- Global Client Executive for a \$115 billion multinational conglomerate consisting of 13 major companies employing over 130,000 people in 70+ countries. Responsible for overall account leadership and growth across three global business lines. Assumed responsibility for the client after multiple years of client dissatisfaction and decreasing revenue. Major accomplishments include developing and implementing plans to stabilize revenue and eliminate project losses, securing position as one of two global suppliers for the most technically challenging projects, and increasing revenue by over 20%.
- Global Account Manager for a \$800 million multinational industrial company. Organized and managed national and global teams to execute projects across multiple services including due diligence, property condition evaluations, compliance, and assessment and remediation. High-level involvement with C-level executives as a part of corporate acquisition strategy team. Maintained involvement with key technical elements of most projects, directed overall project strategy and technical approach, and guided agency discussions and negotiations. Mr. Shipley's contributions resulted in growing the client from one project in the US, to over 100 projects nationwide. In addition, Mr. Shipley expanded the service offerings to include ISO 14001 audits, compliance (air, water, safety), asbestos surveys, and due diligence support for global acquisitions. Mr. Shipley was also directly involved with securing and expanding work at several sites in Brazil.
- Project Manager/Design Engineer for assessment and remediation activities at a metal processing/heat treating facility, responsible for designing and installing multiple SVE systems to address volatile organic compound (VOC) contamination at separate areas of the Site. Also designed, installed, and operated a permanganate injection pilot study for groundwater. The Site is currently being evaluated for soil closure.
- Project Manager/Design Engineer for a remediation system to remove free product and reduce concentrations of benzene and methyl tertiary-butyl ether (MTBE) in groundwater. The system consists of nine vapor extraction wells and seven air sparge wells connected to a thermal/catalytic oxidation system and an air sparge compressor, respectively. Design, permitting, and construction activities were complicated due to location within the right-of-way of a major freeway.
- Project Manager for expedited site assessment and subsequent remediation at a biopharmaceutical manufacturing facility. Chlorinated solvents migrated into the subsurface via a leaking wastewater collection system. Impacted soil was remediated using a combination of excavation and soil vapor extraction. Upfront design, permitting, and procurement activities were completed in less than three weeks; field work had to be completed in one week to coincide with the plant's annual shutdown for major maintenance.
- Lead Engineer responsible for designing and permitting a landfill gas collection, treatment, and monitoring system consisting of 20 gas extraction wells, collection header, vapor extraction blower unit, and vapor treatment unit. On-site buildings were constructed on a vapor barrier and outfitted with methane gas sensors and a gas monitoring network.
- Project Manager/Engineer for a study to evaluate handling and storage practices of potentially hazardous blast grit material at a Department of Defense (DOD) ship repair facility. Duties included reviewing applicable regulations, preparing conceptual engineering design and specifications for a planned hazardous waste storage facility, and making recommendations regarding current grit handling and storage practices.
- Project Manager working with the Army Corps of Engineers on preliminary site investigation projects to determine the existence of contamination resulting from DOD activities. Duties included management of day-to-day operations, client interaction, budget preparation, field work supervision, subcontractor scheduling, and final report preparation.
- Engineer-in-charge of the operation and field engineering of a methane collection system consisting of six separate vapor extraction systems and 82 extraction wells. Duties included managing day-to-day operations, supervising field technicians, equipment modifications, data collection and interpretation, and instrumentation calibration.
- Project Engineer for an ex situ vapor extraction/thermal oxidation project to remediate over 8,000 cubic yards of gasoline-contaminated soil excavated from a pipeline leak. Duties included engineering design, permitting, construction management, start-up, and system operation.
- Designed and installed cathodic protection systems and related devices for underground storage tanks, aboveground storage tanks, pipelines, and water treatment facilities. Conducted field surveys, analyzed data collected during surveys, and prepared written reports based on the data. Additional responsibilities included preparing job bid packages, responding to requests for quotations, sales and business development, and managing existing clients.

PROFESSIONAL AFFILIATIONS

Professional Chemical Engineer: California, No. CA04779

NACE Certified Cathodic Protection Specialist

40-Hour OSHA Training per 29 CFR 1910.120