INTRODUCTION

Founded in 2012, Blue World Construction, Inc., (Blue World) combines multidisciplinary expertise, far-ranging experience, skillful planning, and precise execution to provide innovative, cost-effective, comprehensive solutions that meet the needs of both public and private sector clients.

Our diverse team of process and system construction experts addresses complex technical and construction issues efficiently and seamlessly, collaborating to formulate and execute plans that exceed client goals, while completing projects on schedule and within budget.

Our team includes civil engineers, construction managers, operators, welders, and specialized support staff with a broad skill set in site and civil construction. From design/build to implementation of construction projects on an expedited basis, our expertise includes process design support, systems integration, site development, environmental remediation, hazardous-materials management, and underground construction.

Blue World methodology is site-specific and team-oriented, embracing and valuing the use of new technologies. We believe in collaborating with our customers, working transparently and openly, while readily responding to directions relative to schedule, costs, and technical and regulatory concerns.

Highly regarded for our adaptability to changing project conditions and demands, Blue World delivers on schedule and on time, successfully fulfilling contracts, and concurrently completing multiple complex, large-scale assignments.

At Blue World, we continue to invest in our talent and growth, expanding management knowledge through staff additions, investing in state-of-the-art equipment, and securing lines of credit for working capital and leases. Currently, we have a bonding capacity of $7 million per project and $15 million aggregate.
Our general contracting and construction management services for design/build projects include:

- Group-meeting preparation, presentations, agendas, and documentation
- Distribution of meeting minutes and action-item follow up with all parties
- Ongoing analyses of cost estimates and cash flow
- Negotiation and coordination with regulatory agencies to reduce costs and head off potential delays
- Documentation of permitting and regulatory compliance
- Discussion and development of alternative plans in response to field conditions
- Periodic project updates, especially as they relate to schedule, costs, technical issues, and regulatory compliance
- Meticulous project management to keep team members focused and informed.
OVERVIEW OF DESIGN/BUILD CAPABILITIES

Blue World specializes in the design/build of commercial and process facilities, as well as environmental remediation, bulk storage, and chemical-processing facilities. With the experience and expertise to methodically carry a project from conceptualization, collaboration, and design, to construction, startup, and testing, our team of skilled professionals has a combined experience of more than 100 years in various design/build projects in the public and private sectors. This diverse team regularly supports our clients in developing new ways or using historical methods to meet or beat project deadlines and budgets.

Design/Build Related Tasks & Services:

- Concept meetings and initial client expectations
- Design phase scheduling
- Value engineering and alternative review process
- Construction estimates and feasibility analysis
- Code compliance and regulatory review analysis
- Constructability review
- Utility design and permitting
- Bid coordination and evaluation
- Quality assurance/quality control review phases
- Critical path analysis and scheduling
- Turnkey construction coordination
- In-house construction staff
  - Project managers
  - Licensed engineers
  - Project engineers
  - Construction superintendents
  - Construction operators/laborers
  - Process pipe fitters/installers
  - Mechanical CAD/draftsmen
  - Project accountants
  - Commercial driver’s licenses
  - 40-hour HAZWOPER trained staff
  - MSHA Part 48 Surface New Miner trained staff.
CONSTRUCTION MANAGEMENT

Blue World successfully implements civil and environmental projects on time and on budget, putting project management plans and schedules into action, and providing construction management services for a wide variety of project types and sizes.

Our expertise includes work plan development, permits, applications, design documents, and overall management for successful plan implementation. Our skilled engineers, scientists, and construction professionals provide work plan preparation, engineering, drawings and specifications, and design reports; and plans for QA/QC, contingency, health and safety, storm water pollution prevention, residuals-management, transportation and disposal, traffic-safety, and spill prevention, control, and countermeasures.

Our Blue World team works together to connect the dots on the most complex projects, ensuring all critical project elements are properly communicated and understood, while assuring the completion of all major definable work features on time and as expected. Our staffing, experience, and often unique methodology are well-suited to all projects, small, large, and complex.

At Blue World, we form highly skilled and experienced teams to organize, schedule, and incorporate all project elements to initiate an integrated project controls system, materials procurement and subcontracting system, and use job-specific technologies to increase efficiency.

Our Team Approach

- Establishes priorities and identifies critical path tasks
- Identifies and focuses on client goals and expectations
- Identifies the importance of safety first
- Addresses and resolves conflict quickly
- Identifies project concerns before they become problems
- Helps clients maintain control of the project.

Major projects frequently involve many participants, including project team personnel, design engineers, contractors, subcontractors, suppliers, state and federal agencies, and public interest and community groups.

Our integrated project management system organizes the full range of services necessary for successful project implementation, and creates an easily implemented system of accountability to respond to client demands, from the initial planning through site preparation and construction, to site restoration and project closeout.
Bid-Phase Assistance
Preparation of a consistent and detailed RFP or SOW for overall construction specific tasks is critical. Blue World provides the necessary technical support to generate bid documents, drawings and specifications, review bid documents, and develop summaries for clients to assist in the selection of project-specific contractors and subcontractors. We respond accordingly to the needs of each client, but in general our bid assistance includes:

- Preparing our own cost estimates on a task-by-task basis
- Value engineering
- Feasibility analysis/constructability analysis
- Preparation of RFPs
- Evaluating bids and contract documents
- Project schedule reviews and updates as specified by the client
- Contractor/subcontractor cost analysis and evaluation.

Contract Administration & Management
Experienced in design, construction, and project management, our team members fill the roles of both contractor and engineer, knowing and understanding the critical issues that must be resolved prior to site work initiation.

Our team of experienced professionals ensures that all contracts and subcontracts are clear, specific, and thorough, defining scope, pricing, terms, and schedule. By proactively planning and implementing integrated project controls, we stay ahead of potential conflicts and take action to prevent them or minimize project impact.

Blue World employees oversee the management of all active contracts, ensuring that project controls and procedures are maintained, and conflicts are resolved. We insist on timely responses to RFIs or RFCs, and when clients require assistance with contract administration, Blue World:

- Initiates and leads weekly progress meetings
- Provides contract oversight as the owner’s representative on site
- Schedules monitoring and milestone tracking
- Tracks and controls project costs
- Submits shop drawings and reviews documentation
- Manages the project contract
- Applies for payment review
- Reviews cost-modification requests
- Responds to RFIs or RFCs.
ENVIRONMENTAL & REMEDIAL SERVICES

Blue World provides a full range of integrated environmental and remedial consulting services.

- Remedial Alternatives Analysis, Remedial Design and Remedial Work Plans
- Remediation Pilot and Field Programs for petroleum, and other hazardous wastes
- Groundwater extraction and injection well oversight and installation
- Remediation system installation and expansions
- Remediation system operation and maintenance
- System performance evaluation and optimization.

CLIENTS

Blue World provides construction, environmental, and remedial services to clients nationwide, including federal and state governments, municipal agencies, international and national private-sector corporations, law firms, engineering firms, real estate developers, and lending institutions.

Our clients span the environmental, system, operations and maintenance sectors, where we work with subcontractors and vendors directly to ensure the highest quality results.
PROJECT EXPERIENCE OVERVIEW

The combined experience of our team results in an unsurpassed understanding of how to best perform design/build projects. This collaborative approach provides an unparalleled advantage to our clients, saving them time and money, while creating a positive relationship between the project engineer and construction contractor.

Process Plant Expansion
Contracted on a design/build basis to convert an existing temporary production well and treatment system to a permanent treatment system, Blue World upgraded an existing water remediation program at an active Superfund site in Arizona. The plant treated nearly 180 million gallons of water annually, the majority of which was reinjected to the shallow aquifer for beneficial reuse and recharge.

Automotive Facility Upgrades
Contracted to expand an automotive facility while allowing the site to continue operating during remediation, Blue World completed the system process components and controls off-site while on-site construction activities continued. The trenching and site upgrades were completed once the process equipment was ready to ship. Blue World received the process components onsite, completed the system integration, and trained facility staff as necessary.

Rehabilitation of Bulk Storage Facility
Blue World was contracted on a design/build basis to develop a fast-track process, allowing for the remediation of soil and groundwater beneath an active bulk-fuel-storage facility. The project required the demolition and replacement of several components while the facility remained open 24/7 throughout construction. Blue World exceeded client expectations, completing the project on budget and two weeks ahead of schedule.
Construction of Innovative Groundwater Recirculation System

Hired by a Fortune 500 company, Blue World and its engineering partner designed and constructed a water treatment facility within 12 months of inception. Completion of the project in an expedited schedule was necessary to enable site development, allowing on-time occupancy for new tenants and satisfying real estate contract requirements. The program and phased construction process developed by Blue World allowed for approval by the regulatory agency and local municipality with minimal impact to zoning and planning, enabling site development to begin ahead of schedule.

While process piping and the required site work were completed, the main treatment equipment was fabricated off-site. More than 25,000 feet of HDPE process pipeline and 10,000 feet of electrical conduit were installed. Three separate systems were constructed and tested off-site, placed in pre-engineered structures, and installed onsite. All final system connections were made, and testing and balancing was initiated weeks ahead of schedule.
PROJECT EXPERIENCE OVERVIEW

Process Plant Expansion
Contracted on a design/build basis to complete upgrades to outdated controls, process valves, and piping at an existing water treatment facility, Blue World worked with engineering services firm Matrix New World Engineering to develop a unique bypass program that allowed the plant to remain operational 24/7 while the original process pipelines, valves, and controls were replaced with the new equipment. The completed upgrades extended the life of the plant, and enabled a capacity increase from 600 gpm to 800 gpm.

Beneficial Reuse Irrigation System
To fabricate a pre-packaged irrigation pump system that redirects water from an existing treatment facility to a city park irrigation system, Blue World worked with engineering services firm Matrix New World Engineering. The system solution saves the city tens of thousands of dollars annually through a reduction in potable water costs, and provides additional monetary savings through a reduction in man hours required for operation and maintenance. System layout and design were approved by the city engineer and parks department staff prior to procurement.
Utility & Process Pipeline Construction
Contracted on a design/build basis to complete a 1.5-mile pipeline expansion to redirect process water to new facilities installed to increase plant capacity, Blue World developed a pipeline route and selected construction materials to minimize impact on the general public, while increasing the ease of installation. A combination of open-cut and horizontal directional drilling were used to complete the pipeline installation.

Water Treatment Plant Expansion
Contracted on a design/build basis to expand and improve an existing water treatment facility, Blue World developed a system that allowed for an increased reduction of suspended solids, and enhanced the primary treatment processes involving liquid-phase granular-activated carbon and ion-exchange resin. The expansion involved the completion of significant mechanical, masonry, process-piping, electrical, and controls tasks while the existing plant remained operational. Design and construction were completed ahead of schedule and on budget, and the plant upgrades were designed and constructed to handle an anticipated increase in future flow capacity.
PROJECT EXPERIENCE OVERVIEW

**Process Plant Construction Management**
Provided construction management and oversight for the construction of a proprietary garnet process in southeast PA. Blue World’s role included coordination of structural, electrical and mechanical design, local and state permitting, and management of all subcontractors and vendors. The proprietary process included design, fabrication, and erection of structural steel, ventilation and dust collection equipment and extraction network, and integration of robotics bagging system for distribution of the final product. Our team also managed the process silos, conveyors, elevators, and specialty process equipment and integration of various control systems and networks. Blue World managed the process through startup and completion.

**Wastewater System Construction Management**
Provided construction management and oversight support for the design and construction of a 7,000 gallon per minute clarifier as part of an existing wastewater process system upgrade at an active mining system in southwest Montana. Tasks included design coordination; management of all subcontractors; civil, structural, electric and mechanical, vendor and contractor procurement; oversight of foundation work; structural steel erection; site erection of the clarifier, rake and various tanks; process piping; and electrical, pre-engineered building constructed around the clarifier and controls integration between the new system and existing plant.
PROJECT EXPERIENCE OVERVIEW

Site Demolition and Development Preparation
General contractor responsible for site preparation for redevelopment of a former chemical facility in Bergen County, NJ. Tasks included demolition of building foundations, crushing and reuse of existing concrete, vegetative and tree clearing, removal of remaining underground utilities, and regrading of the site to the final elevation required for redevelopment by the new property owner.

Soil Remediation
Primary remedial contractor responsible for the management of PCB/VOC/SVOC impacted soils at a former chemical facility in Bergen County, NJ. Included the excavation and removal of more than 20,000 tons of PCB and VOC/SVOC impacted soils, with T&D to a variety of treatment facilities using conventional transportation and rail cars. Blue World also performed on-site and in-situ soil remediation, including soil mixing/blending with biological amendments, and ex-situ in windrows using various chemical amendments. Treated more than 15,000 tons of soil both in-situ and ex-situ, and worked with consultant to provide and perform air and dust monitoring, dust and odor mitigation, and site security throughout the eight-month project.
PERSONNEL

Dennis Petrocelli, PG, President

A professional geologist with more than 35 years of experience, Dennis Petrocelli is the founder and president of Blue World Construction, Inc., a civil and general construction company with offices in the eastern and western United States that specializes in remedial and system construction. With a natural talent for embracing possibility, Mr. Petrocelli successfully positioned the company as a leader in providing quality construction solutions that routinely come in on time and on budget.

Pat Hunnewell, Vice President

Vice president of Blue World Construction, Inc., Pat Hunnewell has more than 20 years of experience as a Project Engineer, Project Manager, Construction Division Manager, and Chief Engineer. Instrumental in the implementation of Kaizen and Total Project Management processes, Mr. Hunnewell has New Jersey Department of Environmental Protection (NJDEP) licenses for underground storage tank closure and subsurface evaluator, and has been involved in the construction of numerous civil and environmental projects. He specializes in site civil construction projects, foundation design and construction, design and installation of pre-engineered buildings and structures, design and construction of prefabricated process systems, system integration, design, installation and operation of wastewater and groundwater conveyance and treatment systems, and more.

Zoe McCraw, Business Manager

Zoe McCraw has more than ten years of experience as a Project Coordinator working for civil engineering and general contracting firms. Ms. McCraw’s engineering background complements her construction experience, providing a strong foundation for project management and coordination. Ms. McCraw specializes in overseeing and maintaining project budgets and schedules, overhead and corporate accounting, corporate and project records, and the corporate procurement program; coordination of staff training and certification, and quality assurance of project correspondence and reporting.
PERSONNEL

Phil Laubenstein, Director of Construction
Phil Laubenstein has more than 12 years of experience working for consulting and civil and environmental contracting firms. The project lead on three multi-million-dollar projects in the past two years, his experience spans all market trades, from masonry, site work and redevelopment, to electrical, controls and automated systems. An experienced Environmental Technician, Field Superintendent, Project Engineer and Project Manager, Mr. Laubenstein has worked on a variety of environmental projects; the expansion of processes and new facilities in the pharmaceutical, bulk storage, and chemical facilities; and the design and construction of engineered dewatering and temporary treatment facilities for flow rates up to 2,000 gpm.

Michelle Rogers, PE, Director of Design Build
A professional engineer with nearly a decade of experience in design build projects, Michelle Rogers has worked as as a civil/environmental engineer, handling due diligence, design, design/build, permitting, construction oversight, and close-out of numerous remediation and land development projects. With project experience that spans the United States, her responsibilities included cost estimations, design investigations, conceptual model development, permit management assistance, and feasibility studies. Ms. Rogers sits on the board of the NYC Brownfield Partnership, and in 2017 she was recognized as an Outstanding Woman in Construction by the Women's Builders Council.

Nate Koehne
A 12-year veteran of the construction industry, Nate Koehne is an experienced Construction Superintendent, Blasting Foreman, General Superintendent and Blast Assistant and Foreman, working for various drilling, general construction and environmental remediation companies. A specialist in the areas of heavy construction, environmental remediation, mechanical work, equipment fabrication, and design/build projects, Mr. Koehne is experienced with the construction and installation of pipeline projects for public and private sector clients, and has multiple OSHA and MSHA certifications, as well as clearances for handling hazardous materials by the Department of Alcohol, Tobacco, Firearms and Explosives.

Tom Vanaskey
With several decades of experience on remedial soil and groundwater treatment systems, and process and wastewater systems, Tom Vanaskey lends a no-nonsense approach to operations and is key to the implementation of preventative maintenance programs. A critical contributor to some of our most complex system expansions, Mr. Vanaskey has assisted with overseeing the upgrade of pumping systems with flows between 250 and 1,000 gpm, enhancing their operation and effectiveness through a Kaizen-type program, and maintaining run times that average more than 98%. Mr. Vanaskey has worked in a variety of areas within the environmental water and waste water industry, including operations and maintenance; supervision and training; process control and preparation of reports to local, state, and county agencies; and as Lead Operator on a major Superfund Site, his work was recognized by both the EPA and the Army Corp of Engineers.
Strategically located on both U.S. coasts, Blue World Construction, Inc., has sites in Florham Park, New Jersey, and Phoenix, Arizona, with access to major cities and proximity to travel hubs.

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