



# Federal Services

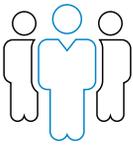
Providing resilient solutions to our nation's mission-critical facilities, infrastructure, and programs worldwide.



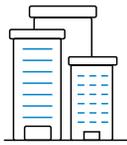
**BLACK & VEATCH**

# Black & Veatch Today

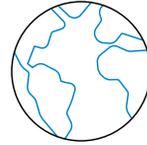
Black & Veatch provides integrated planning, design and construction support for mission-critical facilities, as well as threat reduction and environmental services support for all federal clients worldwide. Leveraging over 105 years of trusted infrastructure experience, our in-house design capabilities and focus on stakeholder collaboration enables high-quality, on-time and on-budget project delivery.



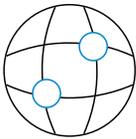
**10,000+**  
professionals



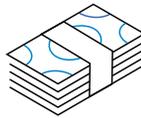
**110+**  
offices



**Six**  
continents



**7,000**  
active projects



**\$3.7 billion**  
revenue in 2019



**Safety**  
**performance**  
0.24 RIR; 0.05 LTIR





## Design Services

Black & Veatch has specialized in the design, architecture and planning of military and government facilities for more than 105 years. We offer cost-effective access to deep multidisciplinary resources, with capabilities ranging from basic MILCON to complex engineering for secure facilities.

Our history of reliable service encompasses the Federal government's most significant programs, from atomic weapons storage under the Manhattan Project, to engineering for the National Missile Defense System today.

We have served on U.S. government missions at every stage, from preliminary studies and planning to complete program management.

Our design services include:

- High reliability power generation, transmission facilities, and other utilities
- Weapons system support, force protection and blast testing facilities
- Emergency response, operations and control centers
- Secure Compartmented Information Facilities
- Facility repurposing and modernization
- Launch and airbase facilities
- Sustainability and resiliency
- Dams, levees, locks and hydropower

### Projects

**USACE Omaha District, Large Vehicle Inspection Station (LVIS), U.S. Air Force Academy:** Provided Customer Concept Document (CCD), developed a 35% Design-Build RFP package and performed Engineering During Construction (EDC) for the LVIS located in Colorado Springs, Colorado.

**USACE Sacramento District, Nellis AFB Flight Simulator:** Designed the Flight Simulator which houses the first USAF Mission Training Center Simulator, allowing each cockpit to fly on virtual missions, enabling a broad range of training, tactics validation and mission rehearsal options.

**USACE New Orleans District, Outfall Canals and Pump Stations Project:** Provided planning and engineering studies, plans and specifications development, and engineering during construction for pump stations, levees, floodwalls, closure structures and bypass gates.



## Construction Services

Clients value our ability to understand the critical connection between engineering and construction for MILCON projects, and the need for both to work closely together. With budgets tightening and quality expectations increasing, that's the sort of disconnect no military or government organization can afford.

We offer sustainable design-build and construction solutions with the expertise, commitment, and proven reliable execution experience to meet each project's specific requirements. Our past performance has helped us earn our ranking as one of the nation's top design-build contractors.

### Our construction services include:

- Facilities architecture and engineering design-build services
- Construction and design-build projects for military ground testing facilities
- Plant and infrastructure sustainment, restoration, and modernization
- Central power, cooling and heating plants
- LEED, energy efficiency and sustainable design
- Program/project management and construction management services
- Facility assessments and utilization studies
- Utilities, infrastructure and site improvements
- Headquarters facilities and data centers
- Company operations and tactical equipment maintenance facilities
- Educational facilities and training centers

### Projects

**Naval Facilities Engineering Command (NAVFAC), Marine Corps Air Station (MCAS) Miramar Microgrid:** Design and build of a best-in-class microgrid at MCAS Miramar in San Diego, California.

**USACE Omaha District, Rehabilitation of Spillway Gates at Fort Randall and Gavins Point Dam:** Design-build services to rehabilitate dozens of gates providing the structural engineering design and inspections at Fort Randall Dam and Gavins Point Dam.

**Arnold Engineering Development Complex, Facilities Acquisitions for Restoration and Modernization, Arnold AFB, Tennessee:** Construction and design-build services for plant and infrastructure sustainment, restoration, and modernization to support the research, development, test and evaluation (RDT&E) mission.

**USACE Middle East District, Kuwait MATOC:** Construction and design-build services for Foreign Military Sales (FMS), Military Construction (MILCON) and other Host Nation funds in the Country of Kuwait.

# Environmental Services

For more than 40 years, Black & Veatch has earned a reputation for delivering innovative, effective and timely solutions to our clients' complex environmental challenges. Our team of experts have coordinated PFAS research opportunities, including projects focused on the advancement of new and innovative treatment technologies for removal of PFAS compounds — the most difficult to remove through traditional adsorption techniques.

Project design considerations provide flexibility for use of both granular activated carbon and ion exchange adsorbents in traditional gravity filter style basins and pressure vessels. Our projects support the EPA, DoD, FEMA and other Federal, state and local agencies with environment-based or energy efficiency initiatives.

Our environmental services include:

- Environmental studies and investigations
- Human health and ecological risk assessments
- Feasibility and treatability studies
- Remedial Design/Remedial Action (RD/RA)
- Long-term O&M
- Environmental impact analysis
- Disaster response
- PFAS/PFOA treatment and remediation

## Projects

**EPA Region 7 Hastings Groundwater Contaminated Superfund Site, Hastings, Nebraska:** Remediated various metals, volatile and semi-volatile organics in soil and groundwater.

**EPA Region 4 Brunswick Wood Preserving Superfund Site OU1 Remedial Action, Brunswick, Glynn County, Georgia:** Implemented RD/RA including dewatering a former waste pond; excavating sediments and soils; constructing geomembrane soil caps; and constructing subsurface barrier walls.

**EPA Region 4 Camilla Wood Preserving Superfund Site, Camilla, Georgia:** Completed source treatment remedy by excavating contaminated shallow soil; constructed subsurface barrier containment wall; and installed in-situ remedy.





## Integrated Services

Our Integrated Services team supports programs in more than 20 countries in EUCOM, PACOM, CENTCOM, and AFRICOM, working with clients to design and implement complex technical solutions (e.g., renovating biological safety level (BSL) lab suites) while navigating challenging local financial and regulatory requirements. We take a first principles approach to each project, evaluating international best practices to deploy scalable solutions.

Our integrated services include:

- Turn-key design, procurement and construction
- Biological threat reduction
- Information technology
- Advice & Assistance
- WMD proliferation prevention
- Nuclear threat reduction
- Chemical threat reduction
- Combined IT + Bio
- Program management

### Projects

**Public Health Emergency Operations Center (HEOC), Cameroon:** Designed and constructed a new emergency operations building with administrative offices for the Cameroon Ministry of Health.

**Biological Threat Reduction Program (BTRP), Ukraine:** Providing project management, research, training, design/construction/commissioning, including Ukraine's first BSL-3 Laboratory, and sustainment to reduce threats.

**Electronic Integrated Disease Surveillance System (EIDSS) and Pathogen Asset Control System (PACS) Implementation:** Implemented information systems in 21 countries: Seven EIDSS countries, plus more than 55 PACS sites globally to provide infectious disease surveillance and tracking, while managing sample inventory to prevention of pathogen theft, sale, diversion, or release.

**Automated Inventory Control & Management (AICMS) Strategic Rocket Forces (SFR) Program:** Designed and constructed DTRA's AICMS Strategic Rocket Forces program implementation to support DoD/DTRA and the Ministry of Defense of the Russian Federation, helping prevent the proliferation of weapons of mass destruction (WMD) in Russia and worldwide.





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