



Program and Construction Management

Black & Veatch simultaneously manages the delivery of entire project portfolios, benefiting our clients in ways that wouldn't be possible if managed individually.



ENR Top 20

Program/construction
management
companies



\$30 billion+

Water and wastewater
infrastructure program
management to date



40+ years

Global program
management
experience



BLACK & VEATCH

Program Management

We leverage Black & Veatch’s technical solutions through coordinated programmatic services, taking complex steps necessary to achieve our clients’ unique goals. Our program management expertise **spans the entire project lifecycle** from conceptual planning, funding, and environmental advisory through design, construction, and operation of major capital improvements. We utilize proven tools and methodologies to manage programs of any size, scope, region, and budget. We’re experts in providing integrated solutions across multiple site locations and regulatory boundaries.

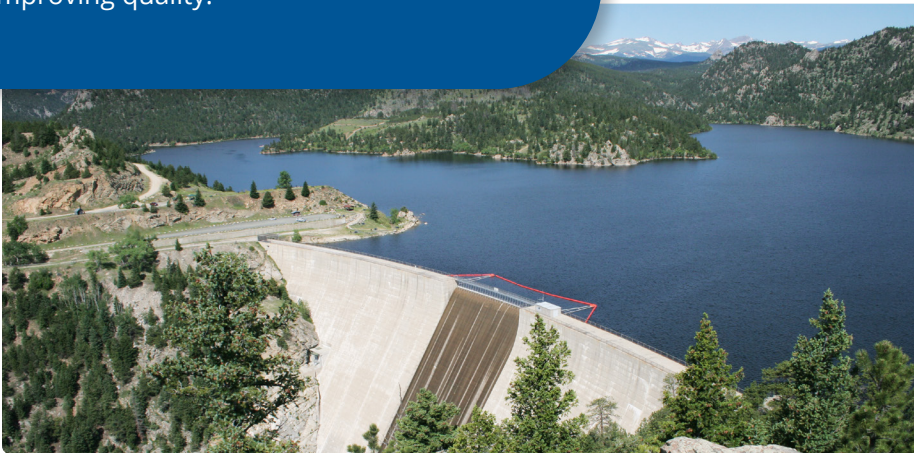
Our Approach to Effective Program Management



Construction Management

Black & Veatch provides field inspection and contract administration solutions support to oversee construction activities either **as an extension of our program management scope or as a third party construction manager**. Our services include early construction phase support for biddability, constructability, procurement strategy, management information systems implementation, and construction project controls. We tailor our construction management services to the complex challenges of each of the markets we work in, and we’re committed to lowering cost while improving quality.

Gross Reservoir Expansion Project | Denver Water | Denver, CO | [Learn more here](#)



We offer a full spectrum of services that can be customized for your program needs.



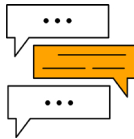
Capital Planning

- Optimize plans to fit real-world conditions
- Access broad bench of experts across all disciplines
- Provide insight on all project delivery method types
- Strategize master planning



Design and Engineering

- Offer design services
- Optimize procurement strategy and engineering management
- Perform economic analysis and source funding alternatives if necessary
- Execute value engineering studies



Stakeholder Engagement

- Identify all key internal and external stakeholders
- Develop overall program requirements
- Create a detailed responsibility matrix



Governance

- Structure leadership to enable effective decision-making
- Identify inefficiencies in existing processes/procedures
- Navigate environmental and permitting regulations including Rights-of-Way land management
- Ensure compliance with ESG and CSR policies



Communication and Integration

- Provide advisory and management services including PMIS implementation
- Perform contract management and administration duties



Cost and Schedule Control

- Develop baseline schedules, scope and budget expectations
- Monitor and track progress; implement corrective action as required
- Manage scope/change orders to mitigate cost overruns
- Provide field oversight to eliminate re-work



Risk Management

- Utilize broad EPC experience and comprehensive approach
- Identify risks early in planning phase to eliminate surprises
- Develop strategies to eliminate, mitigate or manage risk



Quality Assurance

- Develop and enforce project quality assurance plans
- Perform quality insurance inspections
- Ensure compliance with client specifications
- Handle change management
- Implement document control processes



Project Startup, Operations and Maintenance

- Offer commissioning and startup support
- Perform O&M duties to ensure facility meets performance expectations
- Monitor and optimize operations
- Upkeep property and equipment

Markets We Thrive In



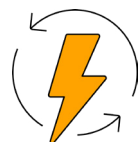
Government. We're among the nation's top providers of program management services to the United States government. We lead programs for the Department of Defense, the Environmental Protection Agency, USAID, and the Department of Homeland Security, both domestically and globally. We also support states and counties across the country.



Water. The need for water and the complexity of its treatment and delivery is increasing globally. Black & Veatch's program management toolbox includes software, procedures and processes for efficient management of staff, schedules and budgets. Not only do we have extensive Operations & Maintenance (O&M) experience, we've also performed full design and construction of major water facilities.



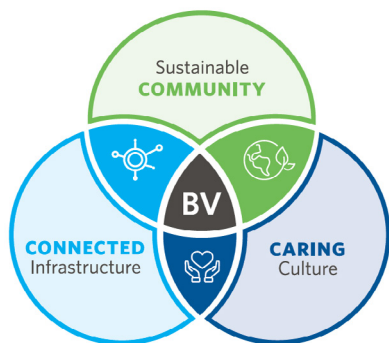
Telecommunications. We offer program management services for both wireless and wireline networks. This includes process design and implementation, quality assurance and risk management. We also offer complete engineering, procurement and construction (EPC) for telecommunications and related markets.



Power. From transmission and distribution to energy storage across multiple commercial sites, Black & Veatch delivers safe, sustainable and reliable power programs. We coordinate the EPC and bring comprehensive local permitting and environmental regulatory knowledge to your team. We're masters in managing both linear (powerlines) and site-specific (powerplants) projects.



Clean Transportation. Black & Veatch is a pioneer in the deployment of new electric vehicle charging network infrastructure. We align Black & Veatch's in-house site acquisition, engineering, permitting and construction teams to build transformational clean mobility solutions and technologies including Smart City engagements.



We're passionate about delivering sustainable solutions.

Sustainability is ingrained into our company culture. Black & Veatch's innovative solutions integrate essential Environmental, Social and Governance (ESG) factors to maximize value to our clients. We're also committed to the United Nations Global Compact, CEO Water Mandate, and Caring for the Climate Pledge.



Program Management Models

Turn-Key Program Management Model



- Full scale Program Management team consisting of end-to-end project resources
- Outsource planning, procurement and/or finance to overcome obstacles
- Access every Black & Veatch skillset under our company umbrella
- When schedule is tight, Black & Veatch and/or subs can self-perform design or construction

Blended Capacity Model



- Client and Black & Veatch experts working together as one blended team
- Teams can manage third party architects, engineers and contractors procured by Black & Veatch or provided by the client

Owner's Rep Model



- Augment client internal capacity with Black & Veatch
- Project Managers, Construction Managers or Resident Engineers and advisory support

← Full spectrum of program management capabilities →

Our company is 100% employee-owned.

Black & Veatch professionals are all-in on your success. Rather than generating profits for a third party, our success directly benefits our clients and our employees. Our safe and inclusive environment protects the physical and mental wellbeing of our diverse teams so they can focus on delivering innovative solutions. Black & Veatch is proud to be in the people and relationship business.



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