



# Hydropower & Hydraulic Structures

THE POWER OF ADVANCED KNOWLEDGE CAN HELP YOU  
CAPTURE THE AWESOME POWER OF NATURE.



## TRANSFORMING THE POWER OF WATER INTO ENERGY.

Black & Veatch is a global leader in both energy and water facilities, and clients worldwide have looked to us for hydropower solutions for more than 40 years. Fueled by our unique dual expertise in both water and energy, we've produced results on nearly 500 projects and more than 50,000 megawatts in hydropower design.

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### GLOBAL SCALE

- More than 10,000 professionals employed in 110+ global offices
- Global project base: 100+ countries on six continents
- More than 80 languages spoken by Black & Veatch professionals in the U.S.
- Conducting 7,000+ active projects globally at any one time
- Ranked in the top 15 of the largest employee-owned companies in the U.S.

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### SUPPORTING YOUR VISION

From studies and valuations to operations, Black & Veatch is committed to finding clean, sustainable power alternatives to maximize the role of hydropower in your renewable energy portfolio.

Through various delivery models, including traditional design-bid-build, EPC/design-build and other alternative delivery methods, we've met the toughest budgets and delivered under the tightest schedules, allowing us to maximize the return on our clients' infrastructure investments.

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## SERVICE LINES

- Conventional Hydropower Facilities
- Pumped Storage and Large Pumping Facilities
- Small Hydro Facilities
- Hydropower Generation Equipment
- Major Hydraulic Structures
- Hydrology and Hydraulics
- Fisheries Engineering
- Plant Automation and Controls
- Plant Rehabilitation and Up-rating
- Asset Management
- Gates and Penstocks
- Licensing and Permitting
- Startup and Commissioning
- Dam Design and Rehabilitation
- Geotechnical, Tunneling and Buried Infrastructure
- Power Delivery and Telecommunications

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## LIFE CYCLE SOLUTIONS TO HELP YOU SUCCEED

We offer a comprehensive suite of services – from planning to operations – that align with the life cycle of a project. Our single-source solutions – with a full range of design and construction services – allow clients to focus on their businesses and simplify their lives with a single point of contact.



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## SUPERIOR SAFETY RECORD

- Recordable Injury Rate nearly 90% lower than U.S. national average.
- Lost-Time Incident Rate 95% lower than U.S. national average.
- 13 Voluntary Protection Program Awards from United States Department of Labor, Occupational Safety and Health Administrations (OSHA).
- More than 10 consecutive years at Silver and Gold level from The Royal Society for the Prevention of Accidents in the UK.
- With a relentless focus on industry safety leadership, Behavior Based Safety helps Black & Veatch proactively reduce injuries and mitigate hazardous conditions.
- Continually below U.S. national average and industry average in Experience Modification Rate.

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## INDUSTRY LEADERSHIP

- #15** Overall Ranking, Top 500 Design Firms
- #1** **Telecommunications**
  - #1 Towers and Antennae
- #2** **Power**
- #3** **Transmission Lines and Aqueducts**
- #3** **Transmission and Distribution**
- #5** **Hydroplants**
  - #5 Treatment and Desalination
- #5** **Water Supply**
- #8** Environmental
- #9** Contractor by Sector – Power
- #10** Design-Build
- #12** **Dams and Reservoirs**
- #13** Construction Management-for-Fee

*Rankings from Engineering News-Record (ENR)'s Top 500 Design Firms Sourcebook, Top 400 Contractors list, Top 100 Green Design Firms list, and Top 200 Environmental Firms list.*

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The Twin Falls Powerhouse Redevelopment Project, designed by Black & Veatch, produces 46 percent more power using the same amount of water as the decommissioned 1916 powerhouse.

