Our Commitment to Sustainability

Black & Veatch is committed to continuously improving our own sustainability efforts focused on People, Planet and Prosperity. By signing the following pledges, we are committed to taking tangible and measurable action to operate more sustainably, and to improve outcomes for our clients and communities:

- United Nations Global Compact
- The CEO Water Mandate
- United Nations Caring for Climate
- CEO Action for Diversity and inclusion™

For more information, contact us at bv.com/datacenters

Commercial Sustainability: Facilities & Campuses

Every company’s path to sustainability is different, each with a distinct destination based on their specific motivations and goals. With our broad understanding and expertise across essential infrastructure, Black & Veatch is your partner to help explore your path forward and help you accelerate to zero carbons.
Start Here On Your Path to Sustainability

For corporate real estate professionals and facility managers charged with implementing sustainable solutions, it's essential to have a fundamental understanding of alternatives for efficient water and power use and environmental practices. As your partner, we can help you align stakeholder expectations and objectives with the right technology. We will work with you to understand all the various options and enable your company to meet both its business and sustainability goals. Whether you are in the process of exploring, benchmarking or executing your program, Black & Veatch can meet you where you are.

Benchmark
Analyze current facility infrastructure performance and carbon footprint (i.e. emissions, energy efficiency, water use, waste, etc.) against goals, regulations and societal expectations

Roadmap
Build a plan to implement sustainable solutions needed to achieve required performance metrics, including schedule and budget.

Engineering & Design
Deliver architectural, civil, structural, electrical and mechanical services to achieve sustainable design by applying passive and net-zero practices with Envision and LEED-certified principles.

Construction
Construction and construction management services using sustainable sourcing, material handling and recovery techniques.
Solutions

Black & Veatch’s facility design portfolio ranges from prefabricated functionalism to iconic design, melding style and performance all the way to the contemporary ethos of LEED Gold sustainable architecture. Facility design is more than just the built environment. With both power and water expertise, we find the right balance between energy and water usage to ensure optimal use of resources, and look for ways to minimize non-sustainable sources for heating, cooling, water and waste management and lighting.

Our focus reaches across the facility ecosystem to ensure each piece of infrastructure works together within a space to achieve optimal building efficiency.

**Sustainable Building Energy Alternatives**
- Renewable energy integration
- Hydrogen
- On-site renewable energy: solar & wind
- Energy storage
- Microgrids
- Distributed energy resources

**Green Reliable Back-Up Power**
- Hydrogen fuel cell
- Natural gas generators
- Green diesel generators
- Battery Energy Storage Systems (BESS)
- Power system studies

**Utility Scale Offsets**
- Carbon mitigation plans
- Power purchase agreements
- Emission trading

**Water Stewardship**
- Water conservation and reuse
- Advanced wastewater treatment
- Zero liquid discharge/discharge compliance
- Optimization of water and wastewaster treatment processes and operations
- Reusable energy for water and wastewater facilities operation
- Smart water systems — Digital data monitoring and diagnostics
- Asset management to maximize utilization

**Environment Compliance, Emissions, Biodiversity**
- Site selection and feasibility studies
- Environmental assessments & compliance studies
- Emissions — Greenhouse gas, climate action plans
- Environmental and social impact statements
- Environmental regulatory compliance — Strategy and permitting
- Noise reduction & acoustics
- Carbon capture, sequestration & utilization
- Sustainable infrastructure — ENVISION

**Waste Management & Effluents**
- Water waste stream management
- Trash — Circular Economy
- Hazardous Waste Management
- Waste Stream Management

**Green Buildings & Energy Efficiency**
- LEED certified planning & design
- Lighting
- HVAC/thermal conditions/heating
- Thermal ice storage
- Rain gardens and planted roofs
- Arc Flash Studies

**Alternative Fuel Fleet Infrastructure**
- Hydrogen vehicle charging
- Electric vehicle charging
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