Sustainable Enterprise Solutions

INTEGRATING ECONOMIC, COMMUNITY AND ENVIRONMENTAL GOALS

You are committed to a sustainable future — but how do you comprehensively meet energy, water, circular economy and other sustainability goals?

Black & Veatch works in partnership with clients to deliver sustainable solutions that build value through services, products and operations that integrate economic, community and environmental needs.

BUILDING A WORLD OF DIFFERENCE®

BLACK & VEATCH

IDENTIFYING THE PATH FORWARD

Every client has unique sustainability goals and objectives. Successfully navigating the path from goal setting to integrated program execution requires expertise and an innovative culture.

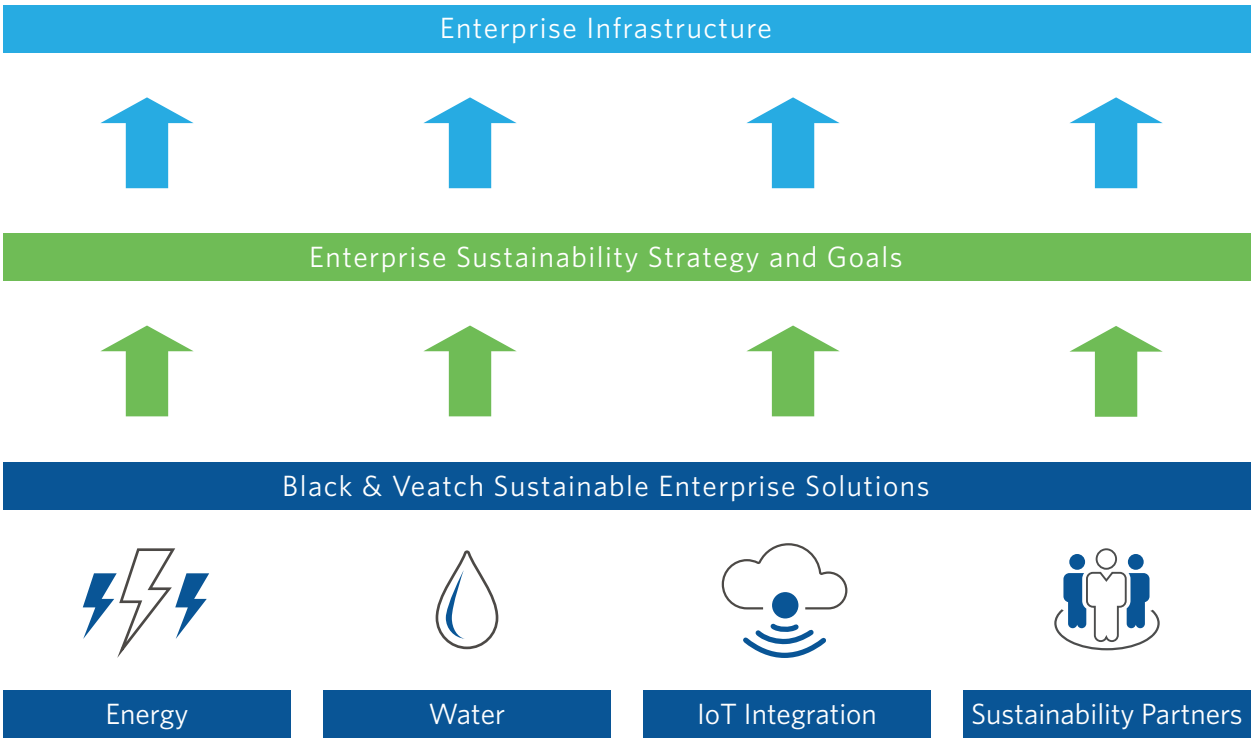
EXECUTING THE SUSTAINABILITY VISION

The successful execution of a sustainability program requires a focus on people, technology and resources. Sustainable enterprise-wide solution development requires expertise in energy, water, advanced communications infrastructure and Internet of Things (IoT) technology. Understanding clients' resource maangement needs helps to convert sustainability goals into real solutions delivering on CSR targets and financial goals.

Office/Support Space

Warehouse Facilities

Data Centers



Resource and program management should align with the goals of each enterprise's strategy.

MEETING YOUR SUSTAINABILITY PLANNING NEEDS

What does sustainability mean for your organization? And how do you define your sustainability goals?

From resource planning, policy integration and governance, your needs are unique. Partnering with Black & Veatch can help deliver scalable, sustainable solutions.

Sustainability Program Management

- Program consulting and design
- Energy assessments and master planning
- Carbon footprint reduction
- Net Zero operations
- Self-sustaining data centers

Renewable Energy Integration

- Solar
- Microgrid
- Energy storage
- Distributed energy resources
- Bioenergy
- Wind
- Geothermal
- Hydropower

Alternative Water Resources

- Water reuse and recycling
- Desalination and nutrient recovery

Connected Infrastructure

- Smart technology applications
- Monitoring and diagnostics platforms (ASSET360®)

Vehicle Charging Infrastructure

- Hydrogen fuel cell
- Electric and autonomous vehicles

Development Support and Planning

- Regulatory and policy insights
- Economic analysis and prioritization of initiatives
- Operations and Maintenance (O&M) support
- Owner's Engineer/Independent Engineer

Design and Construction

- LEED certified planning and design
- Envision Sustainable Infrastructure Project Planning
- Engineering, Procurement and Construction (EPC)/Design-Build delivery model

SUSTAINABLE PROJECTS

Black & Veatch takes the time to understand a client's needs and brings innovative design and construction to every project.

OPTIMIZING ENERGY AND WATER USE THROUGH MICROGRIDS

Black & Veatch is working with Schneider Electric to build an energy security microgrid at Marine Corps Air Station (MCAS) Miramar, in San Diego, California. The microgrid solution will incorporate renewable resources, demand response capabilities. smart grid controls and an advanced energy and water operations system. The integrated solution will allow operations at mission-critical facilities to continue uninterrupted if the utility power grid is compromised or damaged.

URBAN ELECTRIC VEHICLE CHARGING NETWORKS

Partnering with industry leaders in electric vehicle charging stations such as Tesla, Electrify America and Volta, Black & Veatch has provided engineering, permitting, and construction for hundreds of EV charging station sites across the United States. We are committed to helping our clients reshape transportation with innovative energy storage and high-powered charging infrastructure projects.

SMART CITY DEVELOPMENT

Black & Veatch performed planning services for a holistic smart city framework to help the city of Chula Vista, California. The city has set aggressive goals of becoming more efficient through improved use of energy, water, communications and other critical infrastructure.

SILICON VALLEY ADVANCED WATER PURIFICATION CENTER

The SVAWPC takes treated wastewater that otherwise would be discharged into San Francisco Bay and treats it through microfiltration, reverse osmosis and ultraviolet light. The result is 8 million gallons a day of highly purified water for multiple reuse applications.