

Black & Veatch helps clients transform their energy requirements sustainably and reliably.

The transition to net-zero is unfolding fast. Organizations are investing in sustainable infrastructure to operate clean versions of their essential systems and meet emission reduction goals. Hydrogen is emerging as a versatile energy solution, either alone or its derivatives, to decarbonize hard-to-abate sectors and advance global sustainability.

From providing cleaner energy to paving the way for more sustainable transportation, hydrogen is a tiny element with vast opportunities.



We Know Hydrogen

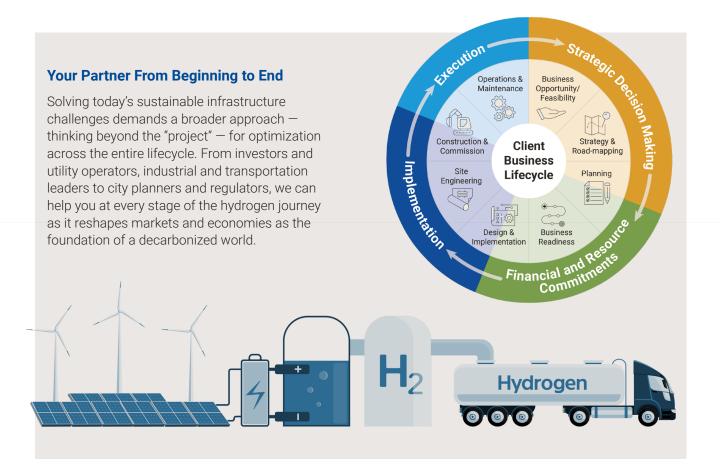
For more than 100 years, Black & Veatch has been a leader in sustainable infrastructure. This experience along with our culture of innovation led us to be at the forefront of the hydrogen revolution. We developed the first hydrogen power generation conversion project and the first major hydrogen fueling station deployment in the United States. Since then, our experts have continued to push the boundaries of hydrogen technology, delivering reliable innovation and first-of-a-kind solutions across the hydrogen value chain.

We're Technology Agnostic

That means we're focused on making the project bankable, not selling a technology. Which is why we've formed relationships with established technology providers and innovative disruptors across the hydrogen and ammonia value chain. We excel as experts in integration, aligning strategy across key stakeholders to deliver a project that meets your capital requirements and sustainability goals.

Solutions

Hydrogen Production
Hydrogen Purification
Hydrogen Compression
Hydrogen Storage
Hydrogen Liquefaction
Hydrogen Refueling
Strategy & Planning
Permitting/Siting
Rate & Regulatory Affairs
OEM Bankability Analysis
Power-to-X



We're Experts in Sustainable Systems

Hydrogen's versatility integrates well with other clean solutions to form a sustainable system, which means it's often the missing link for utilities, commercial businesses, and industries seeking to operate sustainably while remaining profitable.

With a long history in sustainable infrastructure, Black & Veatch has the expertise to plan, design and

build energy systems that enable business growth while reducing carbon footprints and improving resilience and sustainability.

Whether you're interested in hydrogen, its derivatives or complimentary decarbonization solutions, our team of experts are here to help you realize your goals.



Carbon Capture, Utilization & Storage

Black & Veatch has been a market leader in carbon capture technology for more than 30 years. Our technology agnostic approach and extensive experience helps clients optimize and integrate systems that satisfy regulatory and sustainability criteria.



Distributed Energy/Microgrid

Our integrated DER and microgrid solutions and global project experience deliver system-wide solutions to connect, visualize, and optimize the grid for long-term growth.



Water Supply & Sustainability

Backed by a century's worth of experience in water, our experts thoroughly understand the critical elements of a reliable and sustainable water supply for clean hydrogen production.



Energy Storage

With extensive experience building large-scale grid assets, including projects for the Department of Energy, Black & Veatch provides a range of energy storage solutions integrating across equipment suppliers.



Sustainable Fuels

With experience in methanol, methanation, RNG and sustainable aviation fuels, as well as other waste, fuel and conversion processes, our technical experts work with multiple technology providers to deliver an integrated design through the entire project lifecycle.



Renewables

We work at all scales and stages of renewable infrastructure planning and deployment. Our integrated technology team provides a turn-key solution that optimizes schedules, achieves cost efficiencies and ensures quality.



Ammonia

Black & Veatch has over 50 years of experience in ammonia production with a focus on project bankability. As a capital project integrator, we build and maintain strategic stakeholder relationships to deliver your project successfully from feasibility to EPC.



Hydrogen Council

Black & Veatch is an active industry advocate for the hydrogen economy, including membership in the Hydrogen Council, Fuel Cell Hydrogen & Energy Association, California Hydrogen Business Council and the Ammonia Energy Association, as well as status as an executive member of the Center for Hydrogen Safety.

Black & Veatch Hydrogen Project Experience

