An aerial view of a city street, likely in New York City, showing brick buildings, a crosswalk, and traffic. A large, semi-transparent white '0' is overlaid on the center of the image. The background is a vibrant blue.

Accelerate

Decarbonization Roadmapping



BLACK & VEATCH

Decarbonization is this generation's moonshot. Sustainability-focused leaders across industries are taking important steps now to manage their direct and supply chain emissions. Black & Veatch is helping clients successfully plan and tailor decarbonization roadmaps that offer effective technology and nature-based solutions to achieve intermediate and long-term emissions reduction goals.

Transitioning to a carbon-free economy will take time. Innovative solutions such as low- and zero-emissions power generation, advanced renewable energy projects, alternative-fueled vehicles and energy storage are creating an expanding ecosystem of carbon-reduction technologies. Black & Veatch, a market leader in deploying these technologies, helps identify your operations' impacts on the global carbon cycle as well as your climate risks and opportunities, understand the emerging technology mix, and conceive a strategy and roadmap to remove carbon from your operations and reduce or avoid greenhouse gas emissions.

We meet you wherever you are on the journey towards decarbonization and net zero emissions, developing and navigating your roadmap, and accelerating you to zero.

[Learn more at bv.com/decarb](https://bv.com/decarb)

Why Black & Veatch

- Technology-agnostic approach
- Easier to implement advice
- Better continuity of service
- Best emerging technology market and industry insights
- Broader and more efficient access to hands-on expertise
- More flexible engagement models
- Constructability expertise

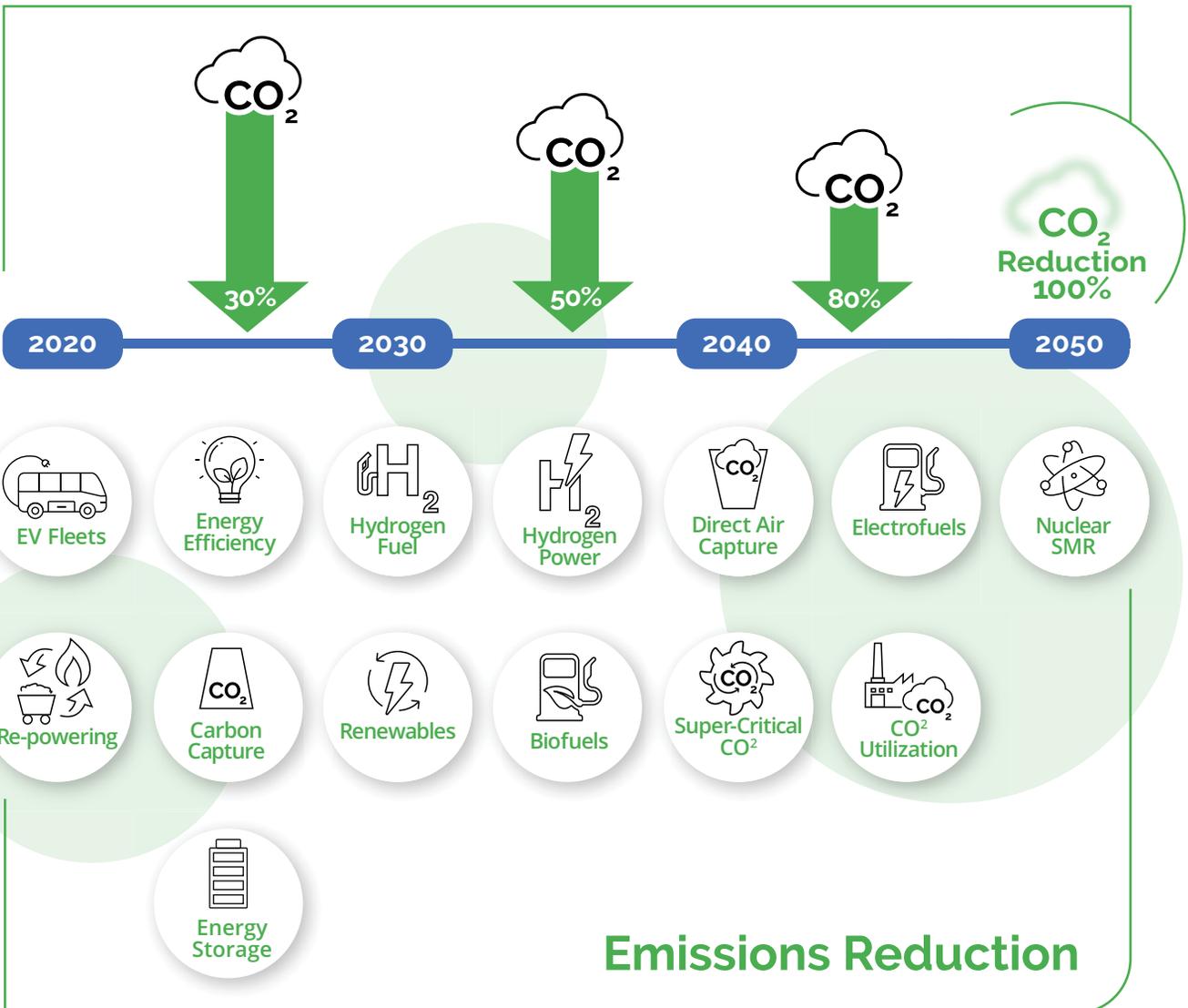
Leaders in Decarbonization Solutions

We have decades of delivering first-of-a-kind innovations and technologies safely and reliably across the power, water, oil & gas, environmental and advanced transportation sectors. We have been a market leader in carbon capture technologies for more than 30 years, have supported the development of more than 105 gigawatts (GW) of solar and wind energy and have been a pioneer in electric and alternative vehicle infrastructure. Recent examples of our work in decarbonization include:

- Engineering, procurement and construction of hydrogen-capable generation facilities for some of the largest utilities in the United States.
- Working with leading zero-emission vehicle manufacturers and transit agencies for their growing on-route and depot infrastructure programs.
- Supporting engineering on the pre-FEED for a large scale Direct Air Capture project.
- Deploying one of the financial industry's most comprehensive renewable energy programs at scale across hundreds of facilities.

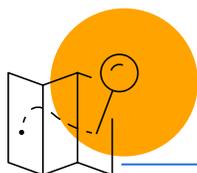
An effective decarbonization roadmap will help you better manage limited budgets and complex regulation, and provide a more certain return on investment.

Mario Azar
President, Global Power Business, Black & Veatch



1

Plan



- Plant betterment & asset optimization
- De-risk technology scale-up and project execution
- Deploy decarbonization technologies integrated with balance-of-plant
- Capital arrangement and transaction support
- Leverage expertise and implement best practices to execute projects

2

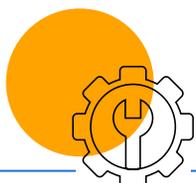
Assess



- Portfolio assessment & GHG emissions footprint analysis
- Technical decarbonization planning & roadmapping
- Emerging technology investment risk mitigation
- Capital allocation planning & monetizing non-financial benefits
- Policy & regulatory consulting

3

Integrate



- Team with technology providers to optimize emerging technologies
- Technology evaluation and 3rd party due diligence
- Front-end engineering and design for first-of-a-kind technologies
- Climate risk & opportunity assessment

Decarbonization Toolbox

Decarbonization strategies require the long view. When planning horizons span decades, it is important to avoid the consequences of getting locked into path dependency or stranding assets by having a clear understanding of technology maturity and cost. We provide this clarity through our experience deploying a diverse range of technologies, combined with our objective assessment of the maturity of emerging technologies. We help our clients evaluate the trade-offs of competing technologies to achieve cost-effective, deep decarbonization.

Then we develop a decarbonization roadmap that aligns your goals with your desired timeline. Our approach relies on exploring technology and infrastructure solutions, as well as environmental and economic tools, that help projects and operations adapt in the face of extreme environmental, social and regulatory risks. This equips all stakeholders involved with a toolbox and strategy to build sustainable business models and achieve decarbonization goals.

Visit bv.com/decarb to learn more or email info@bv.com today to roadmap and deliver a decarbonized and future-ready enterprise.