



Client

Constellation is the largest offshore drilling contractor operating in Brazil, with over 45 years of experience in the energy sector. It is the only company in the drilling segment to hold a seal awarded by Brazil's Office of the Comptroller General (CGU), underscoring its commitment to rigorous integrity, compliance, and ESG standards.



Challenge

The decarbonization of the oil and gas sector requires technological innovation combined with robust strategic planning. To achieve its climate ambitions, Constellation needed structured processes for analyzing and prioritizing mitigation opportunities, capable of charting a clear and effective path for the coming years. Strategically, the company also required an analysis of its positioning regarding climate commitments, industry peers, and the Brazil's regulated carbon market.



How We Operated

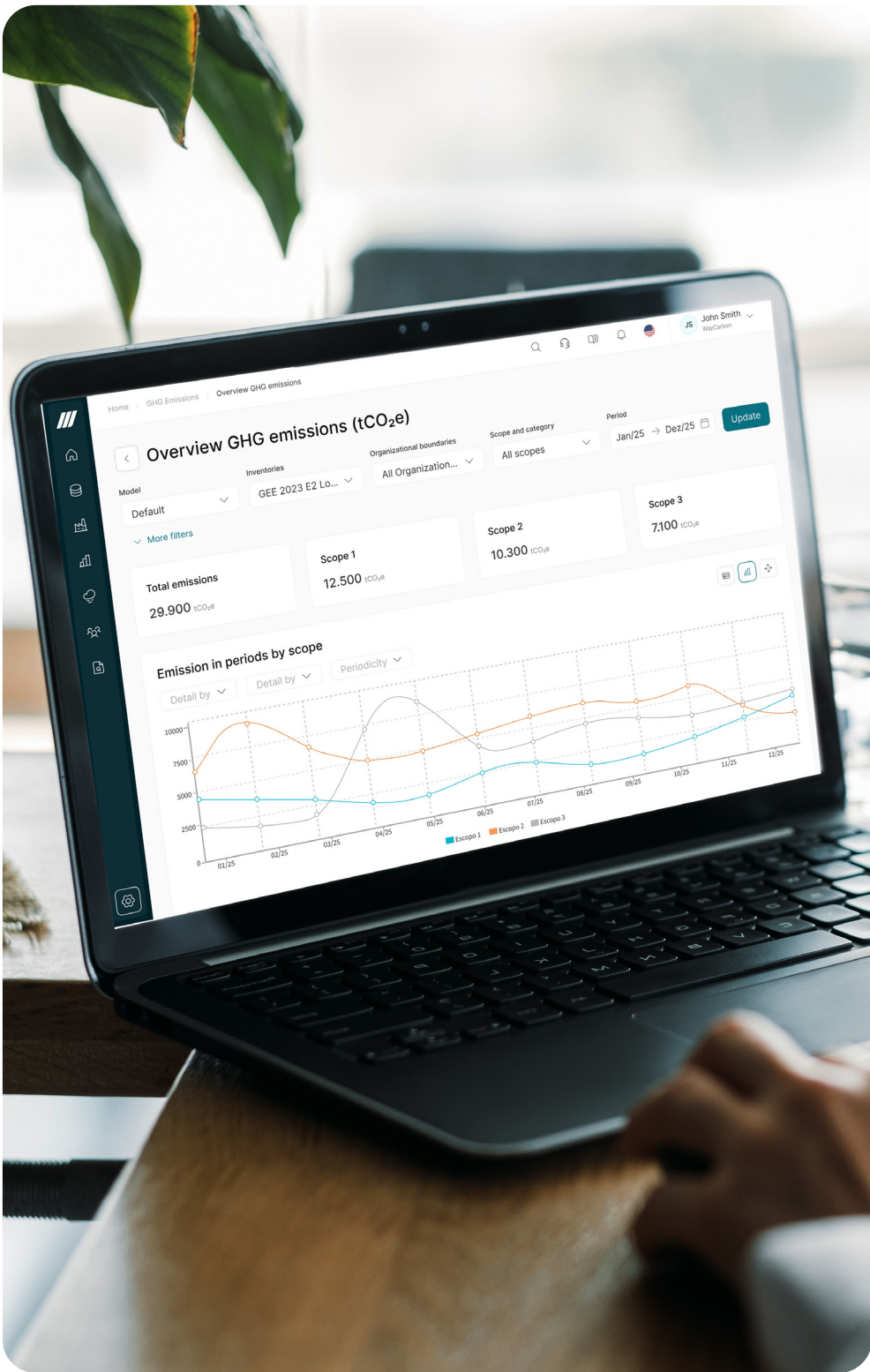
To address **Constellation's** challenges, **WayCarbon** acted as a strategic partner, implementing an integrated solution that combined consulting services with the Emissions Management module of the **WayCarbon Ecosystem** platform. The project began with a detailed assessment and mapping of Scope 1, 2, and 3 sources, followed by a comparative market analysis. On the strategic front, decarbonization scenarios were modeled, the cost-effectiveness of actions was assessed using the MAC curve, and the internal carbon price was calculated.



Results

The project resulted in a **strategic roadmap**, featuring realistic ambitions and governance indicators based on different decarbonization scenarios. Through the **MAC curve** and **carbon pricing**, the company gained economic predictability and regulatory protection, enabling it to prioritize the most cost-effective emission reduction opportunities for the business.

Additionally, a customized simulation tool was delivered, providing internal teams with the flexibility to test new projects and generate new decarbonization scenarios independently. Furthermore, with the implementation of the Ecosystem, the company gained greater autonomy in data collection, consolidation, and analysis, reducing reliance on manual processes and increasing the traceability and reliability of reported information.



Our partnership with WayCarbon has provided us with a robust analytical foundation for our decarbonization journey, from mapping Scopes 1, 2, and 3 to modeling scenarios and constructing the MAC curve. As a result, our team is now able to evaluate new scenarios and projects independently, using more traceable and reliable data.

Gabriella Brancaccio, Sustainability Manager at Constellation



About WayCarbon

WayCarbon is a global company specializing in solutions aimed at a just and resilient climate transition toward a Net-Zero economy.

Founded in 2006, it employs scientific and business expertise, leveraged by technology, to support companies and governments in their climate change and sustainability strategies.

Learn more at:
waycarbon.com