

Executive Summary: Carbon Harbor

Introduction & Problem Statement:

While climate change impacts everyone, there's a lack of financial incentive for individuals to adopt practices that reduce greenhouse gas (GHG) emissions and enhance carbon sequestration. This gap widens as over 150 companies pledge carbon neutrality by 2050, driving demand for carbon offsets. Carbon credits, tradable certificates representing one tonne of prevented atmospheric carbon dioxide, offer a solution.

Companies can purchase these credits to compensate for unavoidable emissions by supporting projects that reduce GHGs or increase carbon storage, like operational changes, sustainable agriculture practices, or low-carbon machinery. However, the market faces challenges: limited availability of high-quality credits due to weak scientific verification, poor transparency in project details, potential double-counting and little to no awareness of carbon markets (especially in small and medium-scale businesses). Combined with the high registration cost for carbon credits, it disables businesses to avail of credit for their eco-friendly operations.

Our Solution:

Carbon Harbor is an end-to-end carbon credit **aggregator** that identifies potential businesses and **advocates** sustainable changes in their operations and **registers** multiple clients for a collective high-quality carbon credit.

Step 1 - Compliance Analysis: Using our proprietary machine learning and custom questionnaires, CarbonHarbor determines the eligibility of our client business as a carbon-credit holder basis alignment with established carbon credit industry standards like Verra and Gold Standard.

Step 2 - Driving Operational Change: CarbonHarbor analyzes the compliance report, prepares an industry-specific strategy suited to the business and suggests various operational changes bringing our clients closer to being eligible for carbon credits, one step at a time!

Step 3 - Aggregation and Registration: Finally, we **'harbor'** multiple such businesses into our aggregator model, pooling high-quality carbon credit rights to help enterprises go through registration to issuance for carbon credits!

Key Differentiators

- **Standardized Reporting Templates:** By providing a crisp and concise standard questionnaire, we ensure a smooth client experience in providing details. Our standardized reporting templates and protocols ensure comprehensive data collection.
- **Cost-Benefit Analysis:** Before a client jumps on board for turning to sustainability, we provide them with a cost-benefit analysis to justify investments in new equipment or processes for reducing carbon emissions.
- **The First Mover Advantage:** We stand the first end to end carbon credit aggregator, consultant and certification agency. Connecting with multiple carbon sink owners, we cause financial gains to all stakeholders while ensuring environment friendly industry practices.
- **Our Focus on the Indian Compliance Market:** We at CarbonHarbor are eager to head start in the upcoming Compliance Market, having multifold potential over the current **\$30 Billion** Indian voluntary market at **\$750 Billion (in Europe)**. By first entering the voluntary market, Carbon Harbor aims to take the carbon race by storm when the Indian Government has a policy on the compliance carbon market by 2026

Industry & Market Analysis:

- **The Quest for Carbon Credits:** India has a vast potential for carbon credits, particularly in the transport, biogas, waste, renewable energy, and agriculture sectors. According to a report by the World Bank, India could generate up to **\$100 million** carbon credits by 2030.
- **Core Conundrums Cracked:** The lack of sustainability in operations is a core problem for many industries in India. For instance, the transport sector is a significant contributor to carbon emissions, and the adoption of electric vehicles is still in its early stages. By incentivizing intermediary companies to streamline their operations and become eligible for carbon credits, we can help solve this problem at its core.
- **Harboring Income:** By meeting the stringent environmental requirements for carbon credits, these companies can generate a new revenue stream, which can help them invest in sustainable practices and technologies. This approach can help create a more sustainable industry while also providing economic benefits.
- **Beyond Business, Solving CSR:** By supporting intermediary companies in becoming eligible for carbon credits, organizations can help them meet their CSR goals. This approach can help create a more sustainable industry while also contributing to the company's social responsibility.

Key Milestones & Roadmap:

FY 2024: Startup Incorporation & MVP Building

<u>Timeline</u>	<u>Milestones</u>
<u>May to July 2024</u>	<ul style="list-style-type: none">• MVP Development• Pilot Testing and Feedback• 1st Level Validation to Complete• Outreach and Building
<u>August to December 2024</u>	<ul style="list-style-type: none">• Refinement of product• Building 1st Aggregated EV Fleet• Strategic Partnerships with Govt. & Verra• Sale of first aggregated Carbon Credits
<u>January - March 2025</u>	<ul style="list-style-type: none">• Series A Funding Round• Improving Issuance• 100+ Aggregated Cohorts by End of March
<u>July 2025</u>	<ul style="list-style-type: none">• Refinement to EV product and service line• Expanding to Biogas Industry

Team:

- **Chaitanya** brings leadership experience and technical expertise in Economics, Finance and Sustainability. Taking on the business and operations side, Chaitanya represents the company and plays a key role in business leads.
- **Yash** is passionate about leveraging technology to solve real-world issues, particularly interested in Software Development & Sustainability. Yash's technical expertise lays the foundation for Carbon Harbor's development and work.

Conclusion:

CarbonHarbor proposes an innovative solution to the challenge of solving sustainability at the consumer level. By building a trusted, secure, and reliable system, the team aims to address the growing demand for carbon credits and pooling resources. Carbon Harbor strives to bring the complexity of carbon credits to nooks and crannies of the nation, simplifying credits for small eco-friendly businesses, and making sustainability their default and preferred choice.