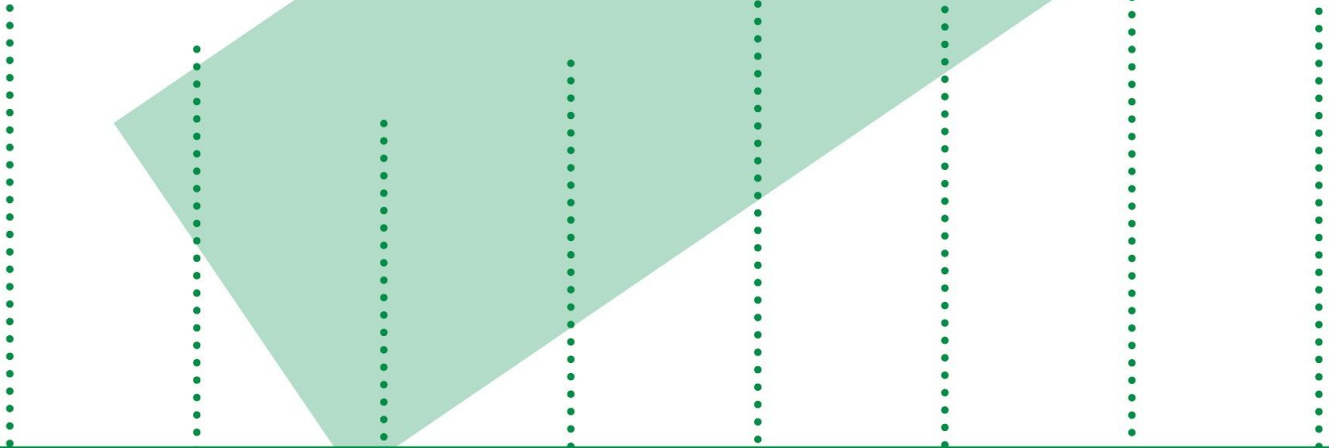


Voluntary Carbon Market Data API



Overview

AlliedOffsets is excited to launch our API for voluntary carbon market data! The API houses data on:

- 25,000+ projects from 17 registries
- 330,000+ issuance and retirement transactions
- Price estimates for each retirement transaction and project
- Over 3,500 corporate retirement entities
- 3,000+ project developers
- Brokers and resellers by retirement transaction
- Thousands of digitized project design and other documents
- Unique data points on projects not found elsewhere in the market

What is an API?

An API (Application Programming Interface) is a set of protocols, routines, and tools for building applications. The benefits of using APIs include:

- **Access to Functionality:** APIs allow developers to access functionality or data from other systems, such as databases, web services, or software libraries. This can save a significant amount of development time, as well as increase the functionality of the application.
- **Easy Integration:** APIs provide a standardized way for different systems to communicate with each other, making integration between systems much simpler. This allows different systems to work together seamlessly, improving the overall functionality of the application.
- **Scalability:** APIs allows for scalability, as the back-end can be updated or replaced without affecting the front-end.
- **Platform Independence:** APIs can be accessed regardless of the platform, meaning that data and functionality can be accessed from any device or platform that has the capability to connect to the API.
- **Security:** APIs can be designed to have a high level of security, which can help protect sensitive data and prevent unauthorized access.
- **Reusability:** APIs can be reused across multiple applications, which can help to reduce development time and costs.

API for VCM

The VCM is an opaque market: there are dozens of registries with unique data structures, an increasing number of ecosystem stakeholders, and a lack of sensible reporting structures. Combined, these issues mean it is difficult for companies to engage with the market in a holistic way. An API for the market changes this by:

- Allowing for **easy integration** of carbon offsetting data into other applications and systems
- Enabling real-time or near real-time access to up-to-date **carbon offsetting data**
- Facilitating **automation** of carbon offsetting processes and calculations
- Allowing for **easy sharing and access** to carbon offsetting data among different organizations and stakeholders
- Enabling the **development of new and innovative** carbon offsetting solutions and technologies
- Providing the ability to easily **track and monitor** carbon offsetting progress and impact
- Allowing for **research and analysis** to understand the impact of carbon offsetting activities
- Facilitating the creation of **certification and verification** systems

Key Potential Use Cases

Platform Development

Companies build their custom platforms and services on top of our API. By tapping into our wealth of data, users are able to accelerate their development time, make use of our experience and expertise, and focus on their key value-additive differentiators.

Data Analysis

Other companies import our VCM data into a wider data pipeline. This allows them to conduct bespoke market- and project-level analysis, understand pricing trends, and create forecasts. Some sell this analysis to their own clients via a data output or custom reports.

Internal Tools

Others still use our API to create internal tools to help them monitor the market. One example of this is our own Alerts service, which makes use of the API to flag new projects in the market, latest retirements, fires within project borders, news, and more.

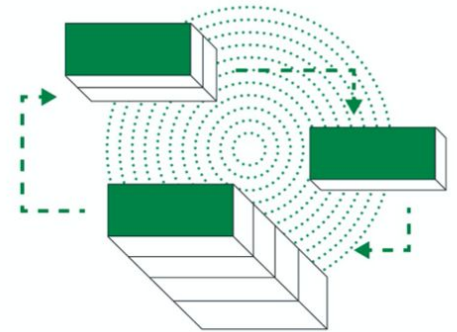
How the API is Being Used

- **Carbon Pricing Calculator:** Using the prices included in the API, users can create their own calculators for projects and credits, allowing them to better price their portfolio or to understand investment opportunities.
- **Data Validation:** The API allows data to be filtered and validated as it's being input, allowing for more accurate submissions by users.
- **Market Tracking:** As we enter the date an object first enters the database, we allow clients to conduct a layer of analysis on top of the VCM that is not possible to others.
- **Auto-Generated Reports:** Data visualization and reporting can be scheduled to run / be updated on a daily, weekly, or monthly basis.
- **Bespoke Document Analysis:** The API contains thousands of documents that clients can scan though at scale.
- **Project Geolocation Overlays:** Location data can be used in conjunction with external data to identify projects vulnerabilities, or to better understand the topography of the project's location.
- **Stakeholder Mapping:** Combining different endpoints, clients are able to follow company activity, or understand the individuals involved with a project.
- **Marketplace Development:** Clients are creating bespoke marketplaces, both on-chain and off-chain.

Client Platform

Emsurge, a leading digital intermediary in the VCM, is using our API to provide unique insights into projects for their clients. In other words, users are able to access data about projects they may be interested in buying or investing in that does not exist in other sources, making the Emsurge platform more compelling and useful.

Our API also allows them to increase the accuracy of the data that their users input about the projects, making the transaction process more efficient and accurate. By ensuring that user-generated data is matched accurately to projects, all users on the platform can be more confident about transacting on the platform.



Client Testimonial

“It’s been so great working with AlliedOffsets. Your willingness to collaborate has really helped us move faster and not waste resources duplicating the effort pulling registry data. Highly recommend you.”

– Melissa Lindsay, Emsurge Founder

Next Steps

Anyone who is interested in testing the API can read documentation [here](#).

For a trial account, please reach out to tech@alliedoffsets.com.

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