

Understanding Carbon Offsets

Support global innovation to offset carbon emissions



Carbon emissions and climate change concerns are rising.

In response to the urgency of climate change and rising greenhouse gas emissions, carbon offsets offer a proven method to reduce the amount of carbon emissions in our atmosphere. Carbon offset projects are part of an established environmental solution with growing innovation in the ways carbon can be captured or avoided.

What are carbon offset projects?

Since greenhouse gas emissions affect every community, carbon offset projects vary widely in location and scientific methodology. These projects are designed to cancel out emissions by capturing or destroying them—or even preventing emissions from being released in the first place. Carbon offsets are used to measure that cancellation, and each offset represents the reduction, destruction, or capture of one metric ton of carbon dioxide equivalent emission (CO₂e).

Carbon offset projects are funded by purchasing carbon credits.

PDI Sustainability Solutions purchases carbon credits on behalf of our clients to offset or neutralize their carbon footprints. By investing in carbon offset projects, we mitigate the impact of our clients' emissions while supporting effective, sustainable innovation.

Project Methodologies

Carbon offsets apply to several greenhouse gases, and remediation can take place in many ways.

- **Reforestation:** Tree plantings and sustainable forestry practices increase the natural storage of carbon.
- **Landfill Gas Capture:** As decomposing material releases methane gas into the air, the gas is captured and destroyed.
- **Alternative Energy:** Investment in alternative energy technology decreases reliance on traditional emission-heavy methods.
- **Methane Reduction:** Methane gas emissions from many sources are captured and eliminated.
- **Industrial Process:** Investment in new or alternative manufacturing processes aims to reduce greenhouse gas emissions.



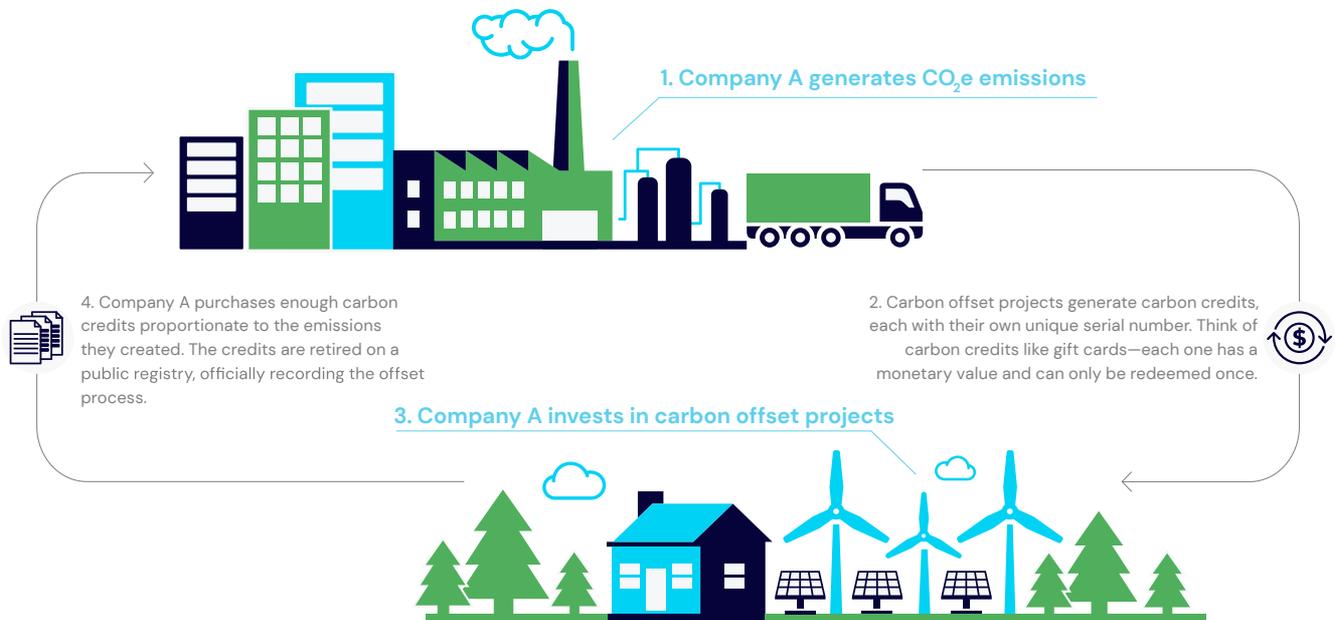
Think it's all about planting trees?

Think again. Carbon offsets apply to several greenhouse gases, and remediation can take place in many ways.

How It Works

PDI Sustainability Solutions purchases carbon credits on behalf of our clients to offset or neutralize their carbon footprints. By investing in carbon offset projects, we mitigate the impact of our clients' emissions while supporting effective, sustainable innovation in the following steps:

- **Step 1:** Company generates CO₂ emissions.
- **Step 2:** PDI purchases carbon credits.
- **Step 3:** PDI invests in carbon offset projects on behalf of Company.
- **Step 4:** Carbon credits are retired in Company's name.



Benefits

Reducing carbon emissions slows the rate of temperature rise and helps mitigate the effects of global climate change. Reducing carbon emissions can improve air quality, leading to decreases in respiratory allergies, asthma, and more.