

Carbon— “The invisible force shaping our planet”

In conjunction with **Earth Day**

What is **carbon**?

Refers to carbon emissions i.e. **carbon dioxide** (CO₂) and **methane** (CH₄)

CO₂ - Vital for plants but contributes to global warming; it's released through respiration, burning, and decay.

CH₄ - Powerful greenhouse gas, over 25 times more potent than CO₂ in trapping heat.

How carbon **affects** the climate?

CARBON EMISSIONS

- trap heat in the atmosphere
- disrupt earth's climate balance

THE IMPACT

- rising global temperature
- irregular rainfall patterns
- stronger monsoon impact
- agriculture at risk
- rising sea levels

Every ton of carbon we emit accelerates the disruption to how we live, work, and thrive. Without change, it leads to irreversible consequences for our environment and economy.

10 ways to **reduce carbon footprint**

1. Use public transport or carpool
2. Switch off unused lights and appliances
3. Set aircond to 24–26°C
4. Pack your own meals in reusable containers
5. Buy local products
6. Avoid single-use plastics
7. Reuse, recycle, and compost
8. Use energy-efficient appliances
9. Limit air travel
10. Support sustainable brands

How Cypark contributes to **carbon reduction**?



Solar – Cypark pioneers large-scale solar farms that generate clean energy (453,282.39 MWh) reducing dependence on fossil fuels and offsetting carbon emissions.

 **289,647 tCo₂**



Biogas – Captured methane from Palm Oil Mill Effluent (POME) is used as biogas for generating electricity (28,330 MWh).

 **18,103 tCo₂**



Waste-to-Energy (WTE) –Through WTE technology, solid waste is transformed into electricity (96,346 MWh) and diverting waste from landfills.

 **61,565 tCo₂**

