

HERTZWAVE

# CARBON ACCOUNTING & ESG INTELLIGENCE PLATFORM

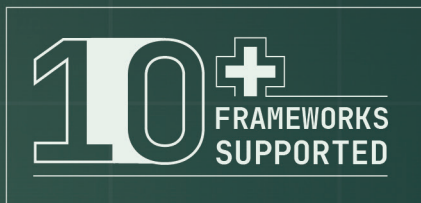
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# — INTRODUCING *TerraCAP*

## Climate Intelligence Without the Complexity

**AI-powered** carbon accounting, **GreenCo** assessment readiness, and **net-zero planning**—purpose-built for Indian industry.

- **ENTERPRISES** ▪ **ESG CONSULTANTS**
- **TECH PARKS & ZONES** ▪ **API INTELLIGENCE**



## *TerraCAP — India's AI-Native Carbon Intelligence Platform*

TerraCAP transforms how Indian enterprises, consultants, and industrial zones measure, manage, and disclose their **carbon footprint**. Built on a foundation of **GHG Protocol**, **BRSR**, **CII GreenCo**, and international compliance frameworks, it replaces manual spreadsheet-driven processes with an automated, audit-ready intelligence layer.

### CORE CAPABILITIES

#### **Scope 1, 2 & 3 Accounting**

Automated GHG quantification across all emission categories with IPCC-aligned emission factors and smart data validation.

#### **GreenCo v3 / v4 Assessment**

AI-driven CII GreenCo scoring with conditional category renderers, weighted scoring, and gap analysis against benchmark bands.

#### **Multi-Framework Reporting**

Automated outputs for BRSR, GRI, GHG Protocol, CBAM, PAT/BEE, CCTS, and Green Steel standards in one platform.

### AI Insights Hub

Confidence-calibrated AI agents surface reduction opportunities, benchmark against peers, and generate narrative insights automatically.

### Real-Time Dashboards

Facility-level, zone-level, and enterprise-wide carbon performance monitoring with live anomaly detection and trend tracking.

### Carbon Market Readiness

Integrated compliance pathways for India's CCTS, PAT cycle, CBAM declarations, and carbon credit opportunity identification.

## *Purpose-Built for CII GreenCo Excellence*

TerraCAP's **GreenCo** module covers all assessment parameters across **Energy, Water, Material, Waste**, and **Sustainability categories** — with automated data completeness checks, weighted scoring aligned to v4 norms, and AI-generated improvement recommendations to help organisations move up the **GreenCo** band.

### FRAMEWORKS & STANDARDS

CII GreenCo v4

BRSR / BRSR Core

GRI Standards

GHG Protocol

CCTS

PAT / BEE

CBAM

Green Steel

UI GreenMetric

NAAC Green

## I ENTERPRISES & INDUSTRIAL ORGANISATIONS

*Large enterprises, manufacturing units, supply chain participants, and industrial corporates*

### KEY CAPABILITIES

Automated Scope 1, 2 & 3 data collection with guided templates

CCTS & PAT compliance tracking and carbon credit readiness

BRSR & GRI reporting with audit-ready document packs

Multi-facility GHG inventory with boundary setting

Supply chain emissions (scope 3) automation via GSTN / e-way bill integration for Indian MSMEs

Science-based net-zero pathway modelling

CII GreenCo v4 assessment module with AI-scored gap analysis

## BUSINESS VALUE

Respond to buyer  
& investor ESG  
queries instantly

Audit-ready reports  
within days, not months

Identify cost-reduction  
opportunities via  
emission hotspot analysis

Stay ahead of BRSR  
Core and SEBI  
regulatory requirements

CBAM readiness for  
export to EU markets

One platform for  
all ESG disclosure  
obligations

## I ESG & SUSTAINABILITY CONSULTANTS

*Independent sustainability consultants, ESG advisory firms, and BRSR service providers*

## CONSULTANT MODULE FEATURES

White-label platform  
deployment (branded  
as your own solution)

Multi-client portfolio  
management from a  
single dashboard

AI Insights Hub for  
automated benchmark &  
narrative generation

Data quality scoring  
and completeness  
indicators per client

Collaborative data  
collection with client  
team access controls

Bulk report generation  
across client portfolio

## REVENUE & SCALE BENEFITS

Serve 5–10x more  
clients with the  
same team

Reduce manual data  
collation time by over 80%

Deliver faster turnarounds  
on GreenCo & BRSR  
engagements

Offer clients live  
dashboards as a  
premium service

Reseller & revenue-  
sharing partnership  
models available

SustainNex white-label  
brand available for  
select partners

# I TECH PARKS, INDUSTRIAL ZONES & SEZs

*Industrial estates, SEZs, MedTech zones, software technology parks, and managed campuses*

## ZONE MANAGEMENT CAPABILITIES

Zone Manager dashboard with dual-inventory **GHG model (zone + tenant)**

Tenant onboarding toolkit with field officer data collection tools

Scope / data readiness assessment for new tenant onboarding

Environmental monitoring station integration (**IoT data ingestion**)

Zone-level aggregated emission reporting for regulatory submissions

Materiality scoping module for zone-wide **ESG prioritisation**

## ZONE-LEVEL VALUE DELIVERED

Single view across all tenants and shared infrastructure

Support tenants in their own **GreenCo & BRSR journey**

Benchmark zone vs. comparable industrial estates

Attract ESG-conscious anchor tenants with credible data

Meet government sustainability reporting requirements for zones

Up to **20%** operational cost savings through emission hotspot action

# I DOMAIN-SPECIFIC CARBON INTELLIGENCE LAYER

*Large consulting firms, enterprise platform vendors, and system integrators embedding sustainability intelligence*

## WHAT WE OFFER

 A structured carbon & ESG domain model layer — industry taxonomy, emission logic, and regulatory rules — consumable via API

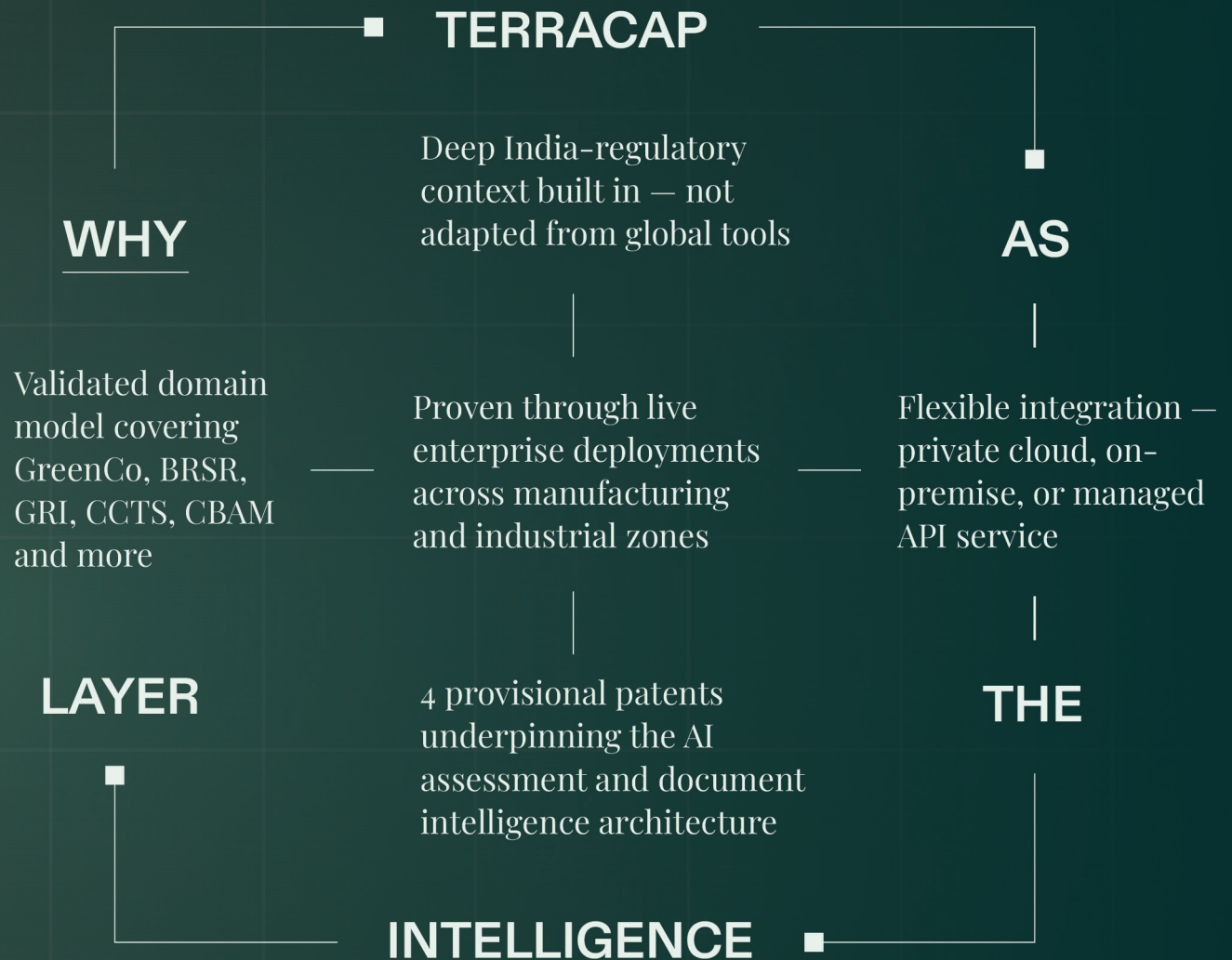
 India-specific GHG accounting intelligence covering Scope 1, 2 & 3 with sector-contextualised emission factors

 AI-driven document intelligence for automated ESG data extraction from enterprise document flows

 Net-zero scenario modelling engine with PAT, CCTS, and BEE constraint handling

 White-label and OEM deployment options for platform integration

# TerraCAP



## COMPETITIVE ADVANTAGE

### WHY ORGANISATIONS CHOOSE TERRACAP

#### TWO WEEKS

For it to be up and running with your data.

Go from onboarding to first audit-ready report in days, not months. Automated data collection replaces manual spreadsheet workflows entirely.

#### AI

India-First Intelligence Layer

Built specifically for Indian emission factors, regulatory norms (PAT, CCTS, BRSR), and GreenCo assessment parameters—not adapted from global tools.

10+

Standards in a  
Single Platform

One platform covers GreenCo, BRSR, GRI, GHG Protocol, CBAM, PAT/BEE, CCTS and more.  
No need to manage multiple tools or consultants.

∞

Scales Without  
Incremental Cost

Add facilities, subsidiaries, or new reporting years at no incremental cost. Designed to grow with your organisation's complexity and disclosure obligations.

ONBOARDING JOURNEY

■

YOUR 4-STEP PATH TO CARBON CLARITY

1

ASSESS  
& SCOPE

Readiness review,  
boundary setting,  
and data gap  
identification

2

CONFIGURE  
& ONBOARD

Platform setup,  
facility mapping,  
and team access  
provisioning

3

COLLECT  
& VALIDATE

Automated data  
ingestion, guided  
templates, AI  
validation checks

4

REPORT  
& ACT

Generate disclosures,  
track progress, and  
model reduction  
pathways

| SEGMENT            | PRIMARY USE CASE                  | KEY FRAMEWORKS                      | DEPLOYMENT            |
|--------------------|-----------------------------------|-------------------------------------|-----------------------|
| Enterprises        | GHG accounting, BRSR, GreenCo     | GHG Protocol, BRSR, GreenCo v4, GRI | Cloud / On-Premise    |
| ESG Consultants    | Multi-client portfolio management | All frameworks + White-label        | SaaS / White-label    |
| Tech Parks & Zones | Zone + tenant emission management | GreenCo, BRSR, IoT integration      | Cloud / Zone Instance |
| API Intelligence   | Embedded carbon intelligence      | All frameworks via REST API         | API / OEM / SDK       |



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