

# **CarbonNex – Services Overview (Current & Future)**

*(For internal clarity and website alignment)*

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## **A. SERVICES WE PROVIDE CURRENTLY (Phase 1 – Core Platform)**

These are the services that **exist from Day 1** and must be clearly reflected on the website.

### **1. Carbon Accounting (Core Service)**

CarbonNex helps organizations **measure and manage their carbon emissions** accurately.

#### **What this includes:**

- Scope 1 emissions calculation (fuel, generators, company vehicles)
- Scope 2 emissions calculation (purchased electricity)
- Scope 3 emissions calculation (travel, logistics, waste, suppliers, employee commute)
- Industry-specific emission factor libraries
- Automated calculations aligned with GHG Protocol

#### **Value to customer:**

- Accurate, standardized carbon footprint
- Audit-ready calculations
- Reduced manual work and Excel dependency

### **2. ESG Data Collection & Management**

CarbonNex acts as a **central ESG data repository**.

#### **What this includes:**

- Structured ESG data input (Environmental, Social, Governance)
- Role-based access (Reporter, Reviewer, Auditor, Admin)
- Periodic data tracking (monthly / quarterly / annual)

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- Multi-entity and multi-location support

**Value to customer:**

- One source of truth for ESG data
- Internal accountability and governance
- Readiness for audits and disclosures

**3. Compliance Reporting (India + Global)**

CarbonNex supports **mandatory sustainability reporting**.

**Currently supported / planned in Phase 1:**

- BRSR & BRSR Core (India)
- GHG Protocol reporting
- CCTS-ready emissions reporting (India)
- CBAM data preparation (for exporters)

**What the platform does:**

- Maps collected data to compliance templates
- Generates disclosure-ready reports
- Highlights gaps and missing evidence

**Value to customer:**

- Compliance confidence
- Reduced regulatory risk
- Faster reporting cycles

**4. Evidence Management & Audit Trail**

CarbonNex ensures **every number is backed by proof**.

**What this includes:**

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- Evidence upload and tagging (bills, invoices, policies, logs)
  - Mandatory linking of evidence to data points
  - Version control and change logs
  - Reviewer comments and approval history

**Value to customer:**

- Audit-ready documentation
- Reduced greenwashing risk
- Trust with auditors and regulators

**5. AI-Assisted Validation (Decision Support, Not Automation)**

AI in CarbonNex assists users, it does not replace them.

**AI capabilities:**

- Document classification (bill, invoice, policy)
- Missing evidence detection
- Data inconsistency flags
- Confidence scoring
- Suggested emission factors

**Value to customer:**

- Better data quality
- Faster reviews
- Reduced human error

**6. Dashboards & Insights**

CarbonNex provides **management-level visibility**.

**Includes:**

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- Emission trends over time
  - Scope-wise and location-wise breakdown
  - Intensity metrics (per revenue, per employee)
  - Compliance readiness score

**Value to customer:**

- Decision-making support
- Board-level reporting
- Strategy planning

**B. SERVICES WE WILL PROVIDE IN THE FUTURE (Phase 2 & Phase 3)**

These should be shown on the website as “Coming Soon” / “Roadmap” / “Future Capabilities”.

**7. Carbon Credit & Offset Enablement**

CarbonNex will enable **emission offsetting and trading**.

**Planned features:**

- Integration with verified carbon registries
- Marketplace integration for credit discovery
- Offset matching based on emission profile
- Retirement tracking

**Value:**

- End-to-end net-zero journey
- Transparency in offset usage

**8. Blockchain-Based Assurance & Data Integrity**

CarbonNex will anchor critical data snapshots on blockchain.

**Includes:**

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- Immutable audit snapshots
  - Timestamped emission records
  - Verifiable hashes for regulators and auditors

**Value:**

- Tamper-proof reporting
- High trust for enterprise and regulators

## **9. Utility & Consumer Integrations (B2B2C Model)**

CarbonNex will integrate with **external data providers**.

**Planned integrations:**

- Electricity utilities (carbon data on bills)
- Airlines & travel platforms
- Logistics providers
- E-commerce & retail
- Hotels & hospitality

**Value:**

- Automated Scope 3 data
- Consumer-level carbon visibility
- Scalable data capture

## **10. Decarbonization Planning & Recommendations**

CarbonNex will move beyond reporting into **action planning**.

**Capabilities:**

- Emission hotspot identification
- Reduction scenario modeling

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- Cost-benefit analysis of actions
  - AI-driven recommendations

**Value:**

- Practical emission reduction
- ROI-driven sustainability strategy

## **11. Voluntary Sustainability Framework Support**

Expanded voluntary frameworks beyond compliance.

**Planned support:**

- SBTi target tracking
- CDP submission support
- RE100 monitoring
- TCFD-aligned risk insights
- UN SDG mapping

**Value:**

- Investor readiness
- Global credibility
- Brand leadership

## **12. Supply Chain & Product-Level Accounting**

Advanced Scope 3 and product sustainability.

**Includes:**

- Supplier data portals
- Product carbon footprint (PCF)
- Life Cycle Assessment (LCA) integration

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- Digital Product Passport readiness

**Value:**

- Export readiness (EU)
- Supply chain transparency
- Future regulatory compliance