



EcoFlow AI: Empowering Sustainable Supply Chains

Empowering small and medium-sized enterprises (SMEs) to significantly reduce their carbon footprint through intelligent, AI-powered sustainability insights. A solution for social good, bridging the gap between desire and capability for environmental responsibility.



The Problem: SMEs and Industrial Pollution

70%

Industrial Pollution

From small and medium-sized businesses

13%

Measure Footprint

Only a small fraction track emissions

Sustainability tools are expensive, complex, and time-consuming for SMEs, leaving a significant gap in actionable environmental responsibility.

EcoFlow AI: Our Accessible Solution



AI-Powered Analysis

Automated calculations, intelligent recommendations, natural language insights



Comprehensive Coverage

Procurement, logistics, supplier assessment, compliance monitoring



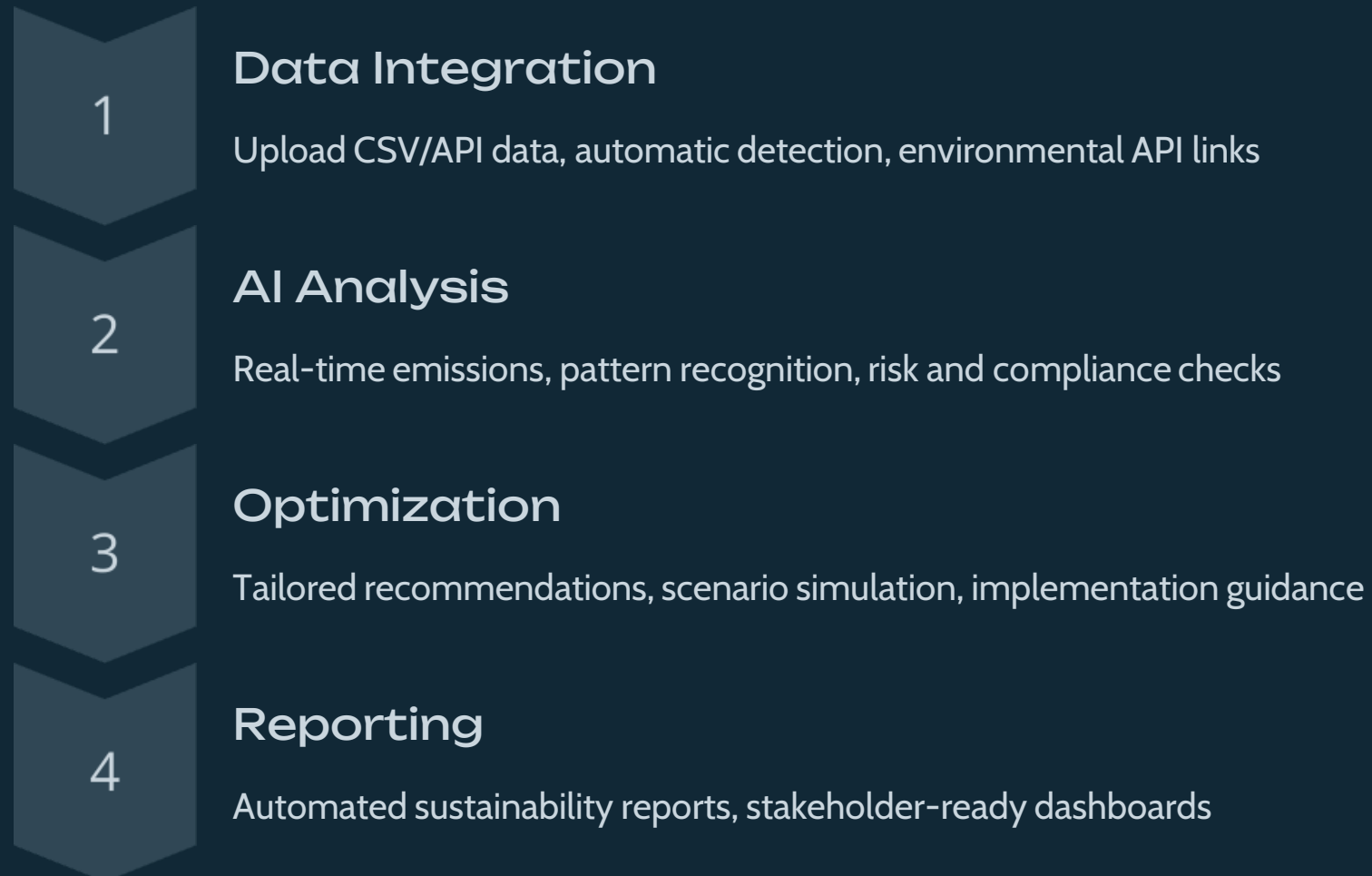
Actionable Intelligence

Specific, quantified recommendations with cost-benefit analysis

EcoFlow AI makes sustainability accessible, enabling SMEs to understand and act on their environmental impact without specialized expertise.



How It Works: Streamlined Sustainability



Our process simplifies complex carbon accounting, from data input to actionable insights and transparent reporting.



Live Demo Highlights: Real Business Impact

Total Emissions	125 tonnes CO ₂ e
Optimization Potential	42 tonnes reduction (33%)
Annual Cost Savings	\$15,000
Implementation Time	3-6 months

AI recommendations provide specific, cost-effective solutions: shift air freight to rail, localize packaging, consolidate shipments. This delivers tangible environmental and financial benefits.



Technical Architecture: Robust & Scalable



AI Models

- Novita Ai
- Claude 3.5 Sonnet: Strategy
- GPT-4: Compliance
- Custom ML: Forecasting

Data Sources

- Climatiq API: Emissions
- Carbon Interface: Transport
- EPA Envirofacts: Compliance

Tech Stack

- Python + Streamlit
- Pandas: Data processing

Our innovative AI provides business-feasible recommendations, blending environmental theory with practical application for real-world impact.

Social Impact: Addressing SDGs



EcoFlow AI has the potential to benefit over 30 million SMEs globally, driving significant progress towards global sustainability goals.

Market Opportunity: \$5.3B SME Software

Current Gap

- Enterprise solutions: \$50K-200K
- SME solutions: Limited, basic

Our Advantage

- AI-powered, SME-friendly pricing
- No expertise needed
- Immediate actionable value

Our go-to-market strategy includes a freemium model and API licensing, capturing a significant share of the underserved SME sustainability market.

Demo Results & Validation: Proven Impact



Furniture Manufacturer

Test case: 125 tonnes CO₂e baseline



33% Reduction

42 tonnes projected reduction from AI



188% ROI

First year savings of \$15,000 for \$8,000 cost

User feedback confirms our value: "Sustainability advice that makes business sense," "Specific enough to actually implement."

Thank you

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