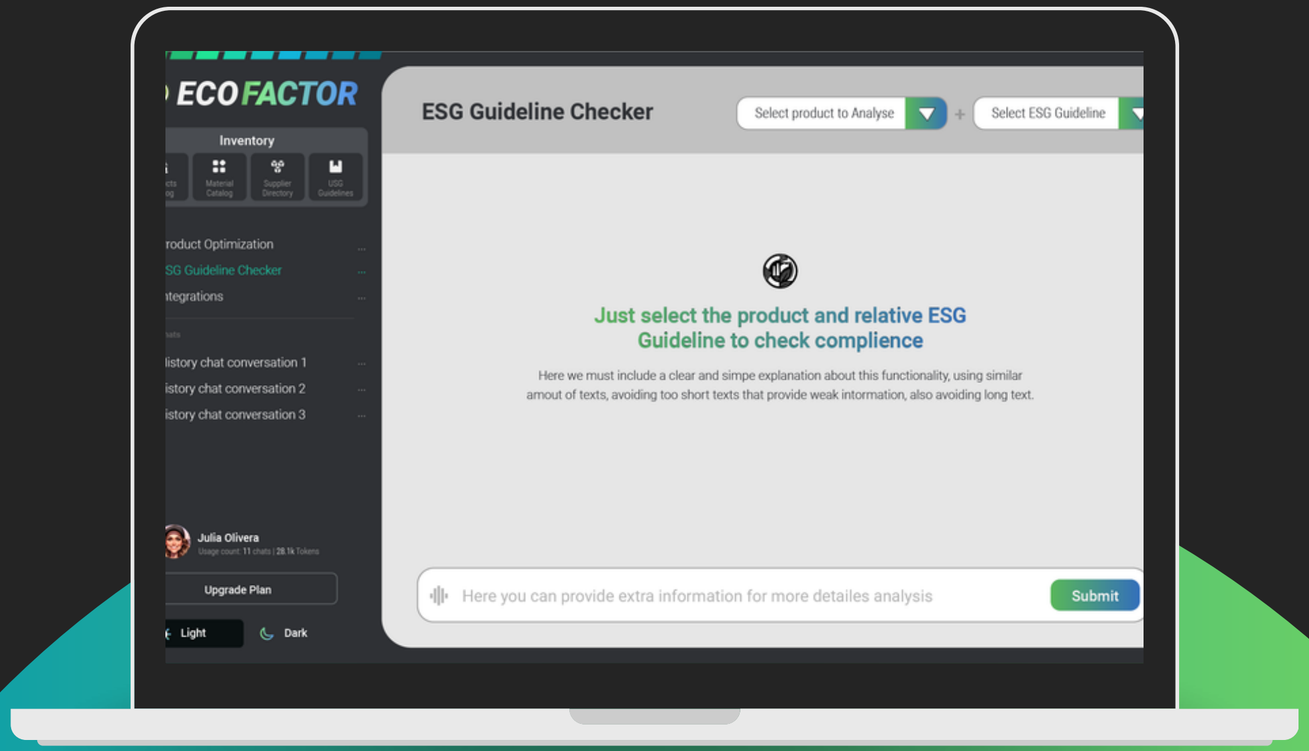
ECOFACTOR

An **Advanced AI-driven solution** for enhancing manufacturing efficiency and sustainability, ensuring **ESG compliance**, while helping manufacturers reduce production costs and perform product optimizations **effortlessly**.



EcoFactor Team

ECOFACTOR Team

Team Lead

Bruno Cesar

Senior UI/UX Designer
Prompt Engineer

Katrina Cekmarjova

Project Manager

Rizwan Zhad

AI/ML Engineer

Inam Ul Rehman

AI Backend Developer

Ahmad Jajja

Senior Full Stack Developer

Aleeza Rubab

Frontend Developer

Manufacturer Challenges

Growing demands for sustainable products and ESG compliance.

Challenges in reducing costs to maintain competitiveness.

Complexity in material selection and product optimization.

Difficulty in adhering to complex market regulations and norms.

Lack of knowledge and clear guidance in addressing the growing challenges and new technologies.

Multi-agent solution working seamlessly to empower manufacturers worldwide.

Manufacturing Sector

Construction Industry

Consumer Goods

Automobile Industry

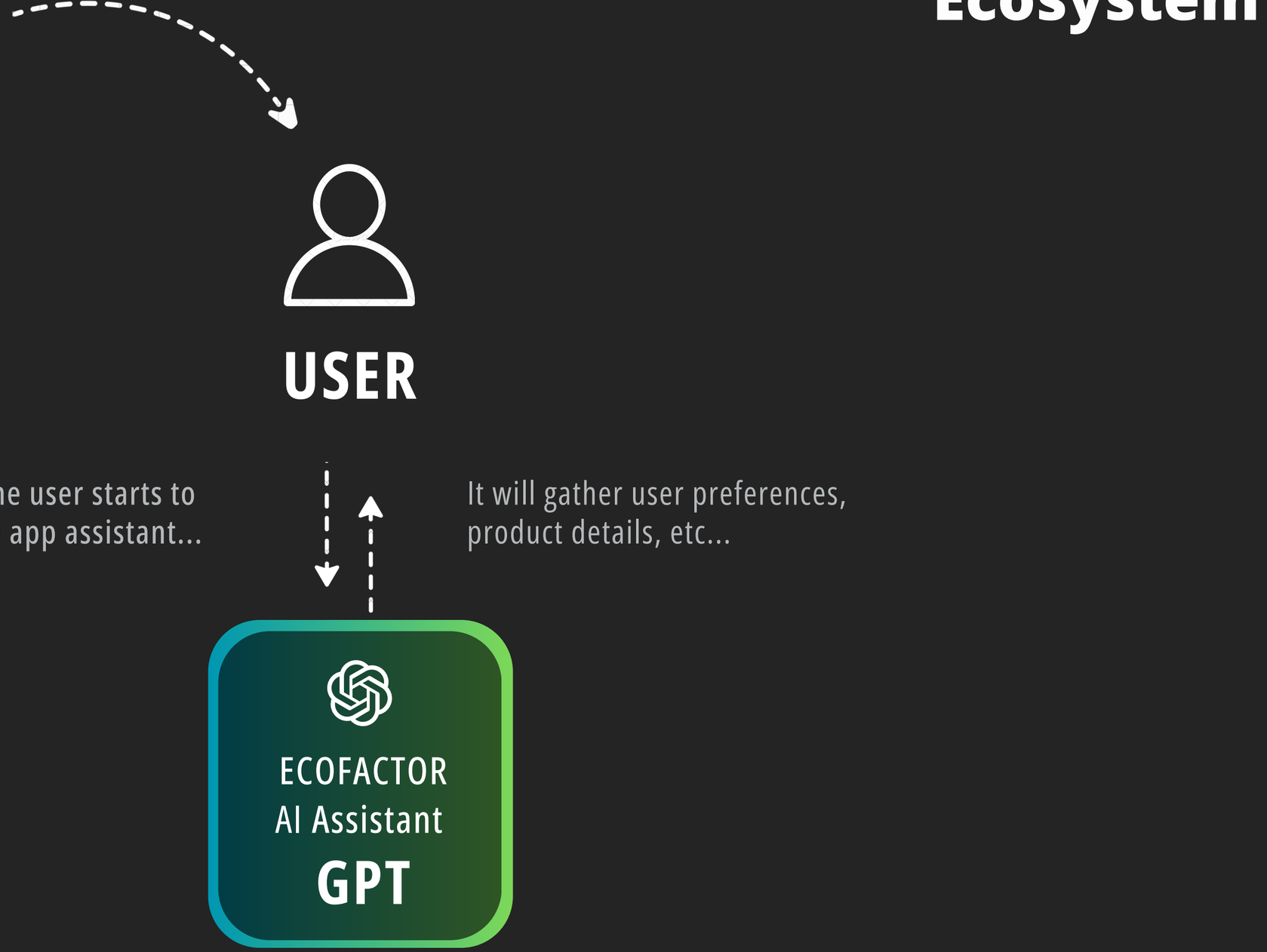
Energy Sector

Technology Firms

EcoFactor Team

How it Works

Ecosystem



How it Works

Ecosystem

USER

Autonomous
AI Material
GPT

It will activate an autonomous AI Material

It will Search and classify potential materials according to user and product specifications.

ECOFACTOR
AI Assistant
GPT

It will activate an autonomous AI Supplier

It will search and classify potential suppliers using user preferences, such as geolocation and logistics...

Autonomous
Ai Supplier
GPT

How it Works

Ecosystem

PERSONALIZED
MATERIAL DATABASE

The classified materials will be fed into the client's database

Autonomous
AI Material
GPT

USER

ECOFACTOR
AI Assistant
GPT

PERSONALIZED
SUPPLIER DATABASE

The identified and classified suppliers will be fed into the client's database

Autonomous
Ai Supplier
GPT

How it Works

Ecosystem

PERSONALIZED
MATERIAL DATABASE

PERSONALIZED
SUPPLIER DATABASE

USER

Now the model will be able to provide accurate material suggestions precisely tailored to the user's needs, considering all product specifications and user parameters

The model will be able to provide accurate supplier recommendations entirely based on user geolocation and logistic specifications

ECOFACTOR
AI Assistant
GPT

Main Features

Product Optimization AI

- Cost Reduction
- Material Replacement
- Product Optimization
- Sustaiable Upgrade

ESG Guideline Advisor

- Check for ESG Compilence
- Opmize ESG reputation
- Advice for ESG project implementation

ChatGPT 4 | Direct Access

Paid members will be able to access chatgpt4 directly from our app, without the need to signup to ChatGPT Plus account.

Smart Material DataBase

Smart database containing only materials relevant to the user's business, classified automatically by autonomous AI agents.

Smart Supplier Database

Smart database containing only relevant suppliers, considering geolocation and business characteristics, classified automatically by autonomous AI agents.

Technologies

EcoFactor Team

Idea & Research

- Paper and pencil :)
- Team brainstorming
- Google Scholar
- Research Gate
- Chat GPT Plus
- UI/UX Design: Adobe Illustrator

Frontend Development

- HTML
- CSS
- JavaScript
- Bootstrap5
- React.js.

Backend Development

- Open AI model GPT-3.5 Turbo
- Python Flask (for creating API)
- Weaviate vector database

Future Plans

EcoFactor Team

New Features

- AI Assistant for Regulatory Standards
- AI Assistant for Safety Standards
- AI Assistant for Quality Certifications

Segmented versions

ECOFACTOR will truly excel when we launch dedicated versions for each sector of the industry, providing even more precise and complex solutions for various stages of the production process.

- ECOFACTOR for Energy Sector
- ECOFACTOR for Automobil industry
- ECOFACTOR for Civil Construction
- ECOFACTOR for Eletronic industry