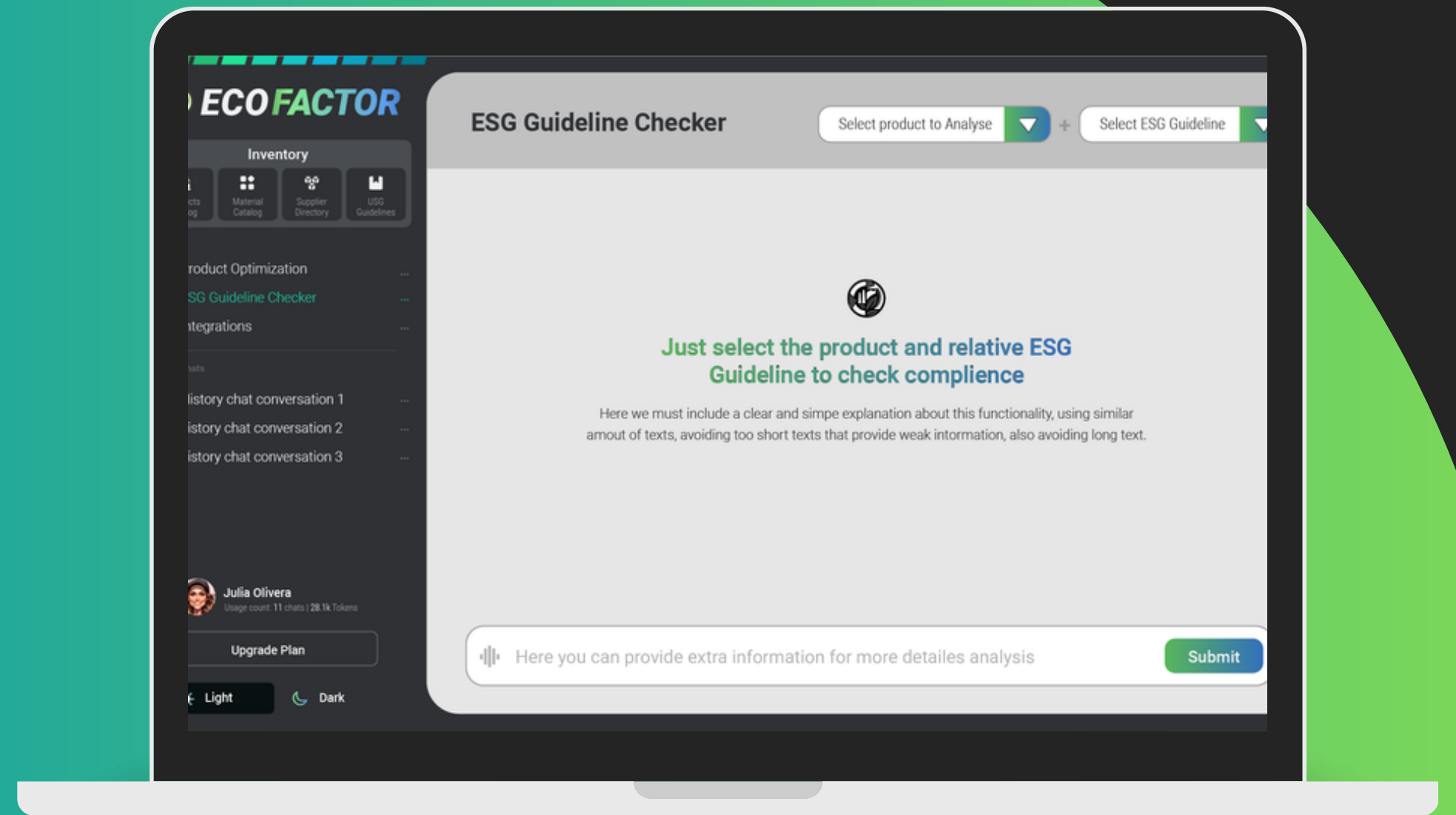# ECOFACTOR

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

ESG Guideline Checker

Select product to Analyse ▼ + Select ESG Guideline ▼

Inventory

Material Catalog | Supplier Directory | USG Guidelines

roduct Optimization

SG Guideline Checker

ntegrations

istory chat conversation 1
istory chat conversation 2
istory chat conversation 3

Just select the product and relative ESG Guideline to check complience

Here we must include a clear and simpe explanation about this functionality, using similar amout of texts, avoiding too short texts that provide weak intormation, also avoiding long text.

Julia Olivera
Usage count: 11 chats | 28.1k Tokens

Upgrade Plan

☀ Light   🌙 Dark

Here you can provide extra information for more detailes analysis   Submit

ECOFACTOR Team

Team Lead
Bruno Cesar
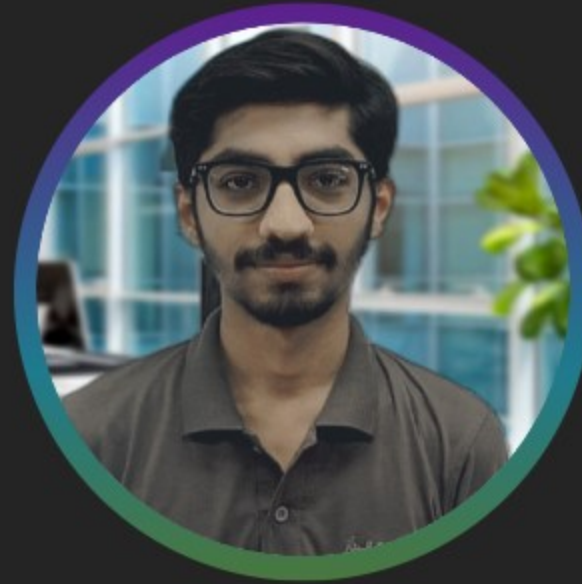Senior UI/UX Designer
Prompt Engineer

Katrina Cekmarjova
Project Manager

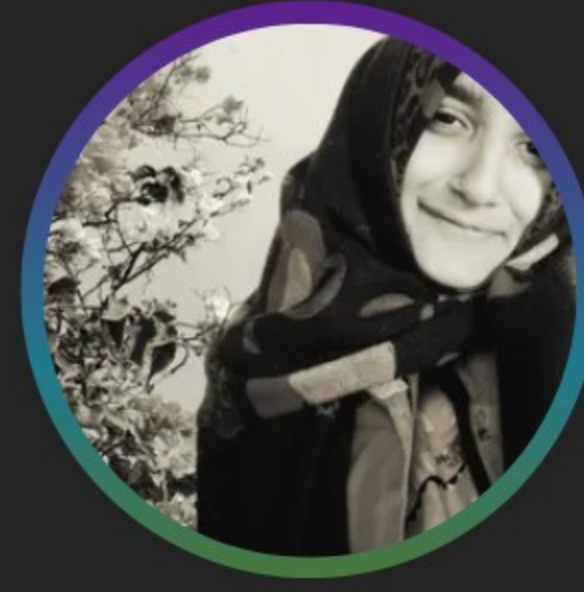**Aymen Noor**
AI Backend Developer

Inam Ul Rehman
AI Backend Developer

Dev Lead
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.

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

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
- Vectara

Target Audience

Projected to reach $10.5 trillion in 2024.

Manufacturing sector	**Construction Industry**	**Consumer Goods**
Automobile Industry	**Energy Sector**	**Technology Firms**

S
Strengths

- Innovative AI technology for sustainable manufacturing.
- Comprehensive solution covering product optimization and compliance.
- Scalable platform capable of accommodating large user base.
- Global reach across multiple industries.

W
Weaknesses

- Dependence on technology exposes us to potential risks.
- High initial costs may deter smaller enterprises.
- Limited market awareness among manufacturers.

O
Opportunities

- Growing demand for sustainability presents a market opportunity.
- Expansion into new markets beyond initial target industries.
- Partnerships and collaborations can enhance credibility and reach.

T
Threats

- Competition from established players and new entrants.
- Regulatory uncertainty and compliance challenges.
- Economic downturns impacting investment in sustainable technologies.

Future Plans

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