

SynthMatix

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Why SynthMatix?

- Growing demand for clean and sustainable energy
- Current materials for renewable energy sources are limited in efficiency, durability, and cost-effectiveness
- SynthMatix generates insightful text descriptions of innovative materials
- Enhanced user understanding through interactive Image Generation.


How it works?


SynthMatix invites users to input specific material characteristics they seek.

Utilizing Gemini and GPT-3.5 Turbo, the app generates an in-depth text description of the material and its' application.

The app will integrate visual representations of the materials using DALL-E, enriching the user's conceptualization process.

Demo

<  SynthMatix Share ⋮ 



SynthMatix

AI-Driven Material Design

Open

Market Scope

- TAM: The global renewable energy market is expected to reach over two trillion USD by 2030. [1]
- SAM: The global advanced materials market size was estimated at USD 61.35 billion in 2022 and it is expected to hit around USD 112.7 billion by 2032. [2]
- Target market: Researchers, engineers, students, and enthusiasts interested in designing and learning about new materials for renewable energy sources.



Revenue Streams



Subscription models for access to advanced features.



Customization services for industry-specific needs.



Partnerships with other technology and service providers.



Competitors and USP

- Matmatch, Materials Project, and Materialize.X provide material information and design tools for various applications.
- SynthMatix as an interactive AI assistant to design materials for sustainable applications.



Prospects

- Material generation and visualization capabilities using image generation models.
- Inspiring and empowering users to create sustainable solutions for the future,
- Advancing the fields of material science and renewable energy.

References

- [1] <https://www.statista.com/statistics/1094309/renewable-energy-market-size-global/>
- [2] <https://www.precedenceresearch.com/advanced-materials-market>



THANK YOU!