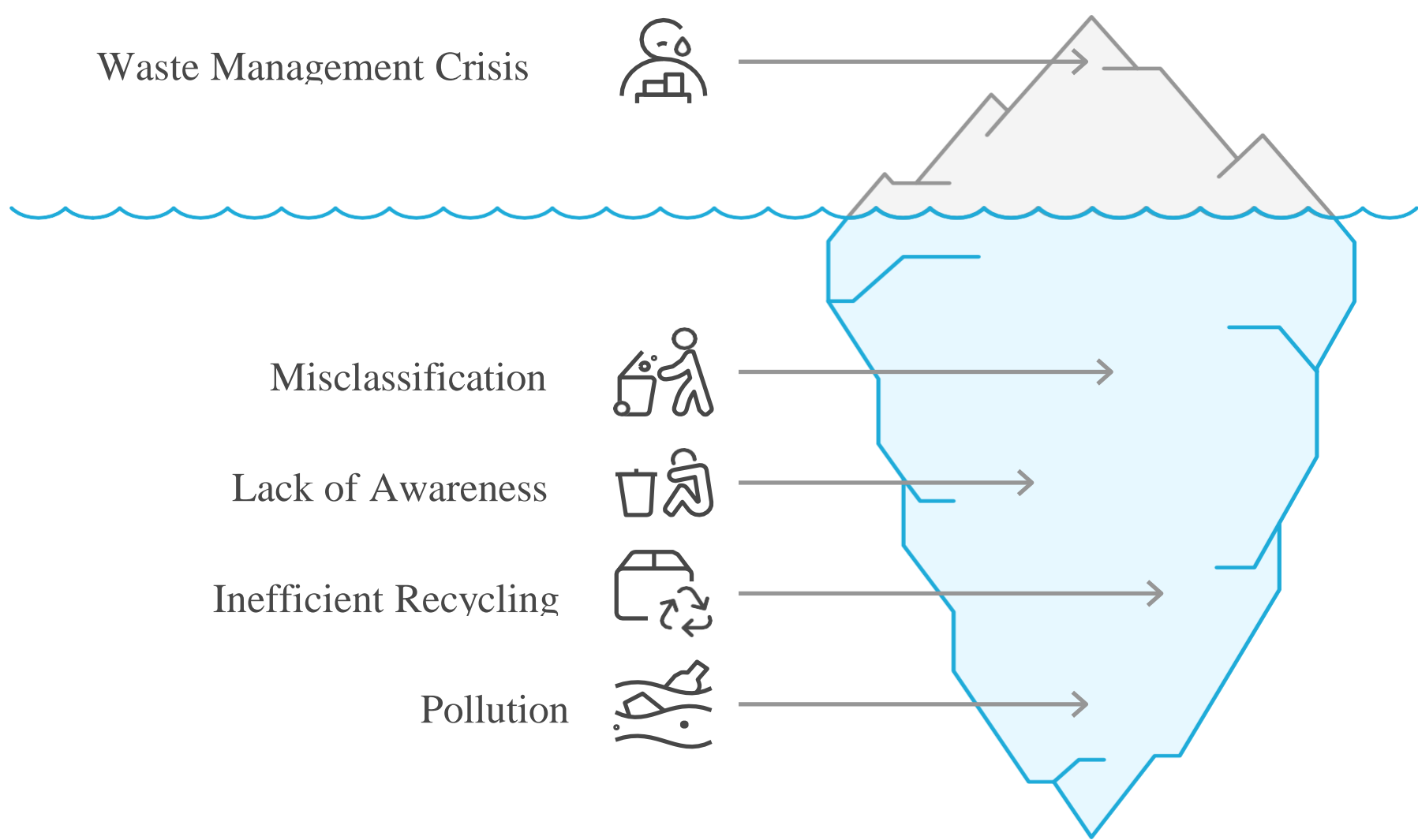


Smart Waste Sorting: AI-Powered Solutions for Sustainable Recycling

* Problem Statement

Waste Management Crisis:

- Global Challenge: Over 2 billion tons of waste produced annually.
- Misclassification Issues: Improper waste sorting results in pollution, inefficient recycling, and landfill overflows.
- Lack of Awareness: People are unaware of how to properly classify and dispose of different types of waste.



* The Goal of Our Project

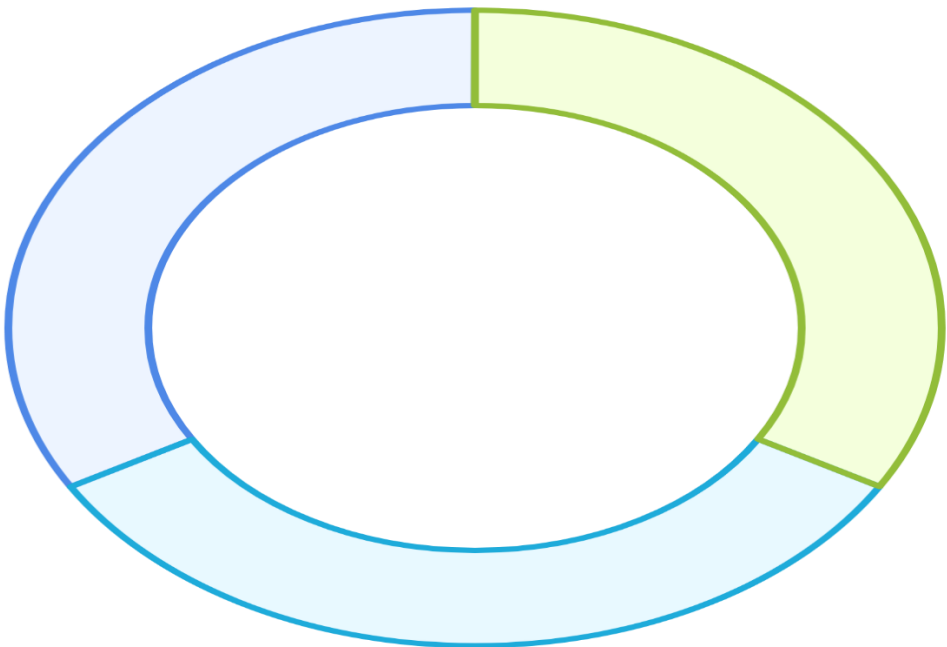
Objective:

- AI-driven Waste Classification to help users identify and properly dispose of waste.
- Raise awareness about the environmental impact of waste materials.
- Streamline recycling processes, making them more efficient and effective.

Components of Smart Waste Management

Streamlined
Recycling
Processes

AI-driven Waste
Classification

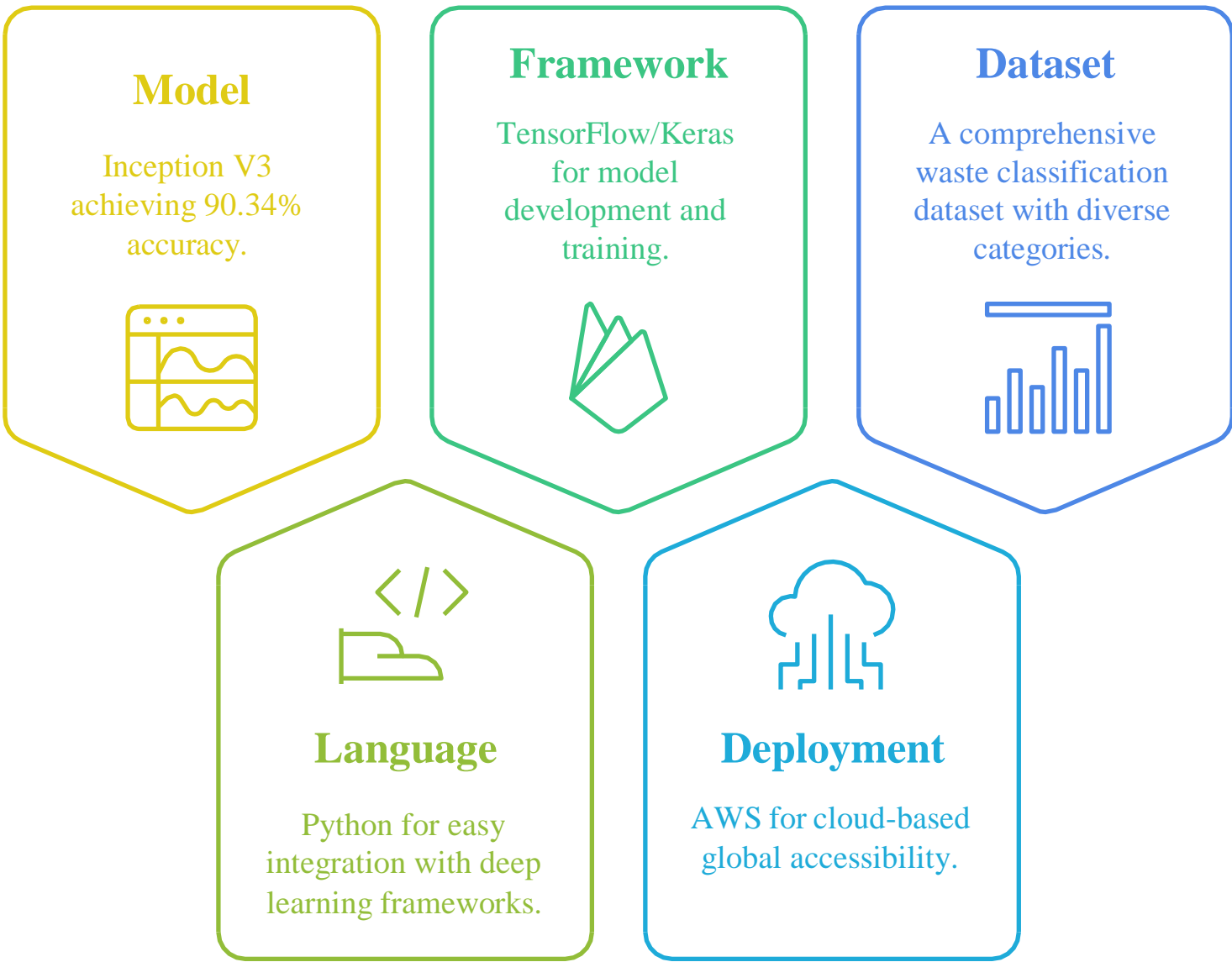


Environmental
Awareness

* Tech Stack Used

Advanced Tech for a Smarter Future.

Machine Learning Components

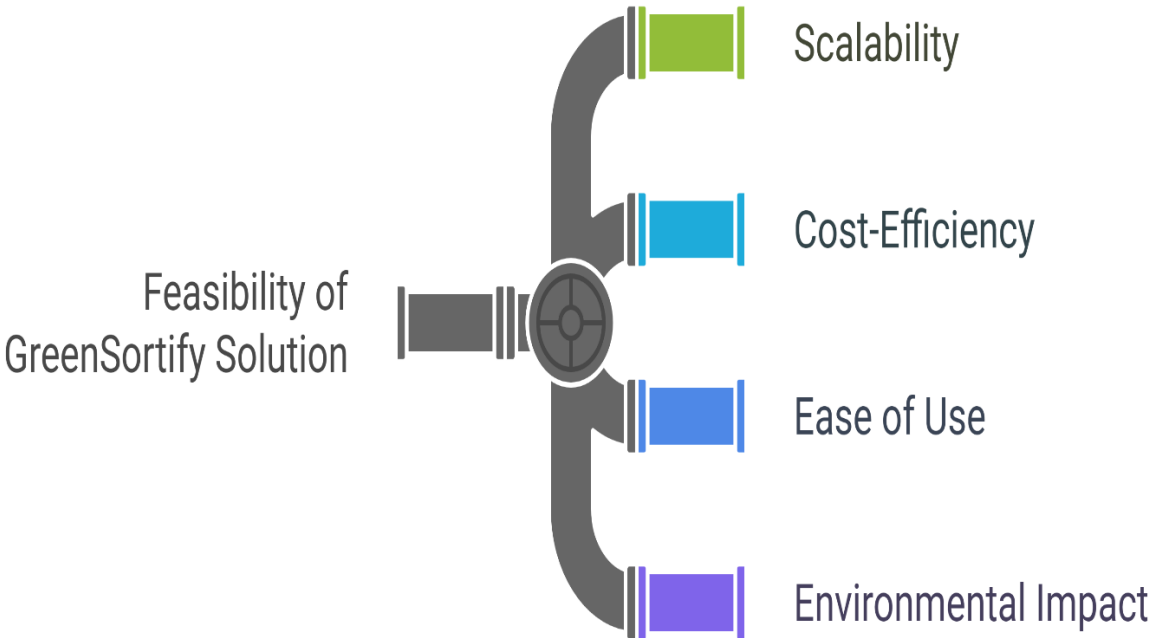


* How Our Solution is Feasible

Why It Works:

1. **Scalability:** The model can be **trained on new data** to continuously improve its performance.
2. **Cost-Efficiency:** Uses **pre-trained models** to minimize development time and costs.
3. **Ease of Use:** Simple image **upload interface** for classification—accessible to everyone.
4. **Environmental Impact:** Supports **sustainable living** by educating users on proper waste disposal.

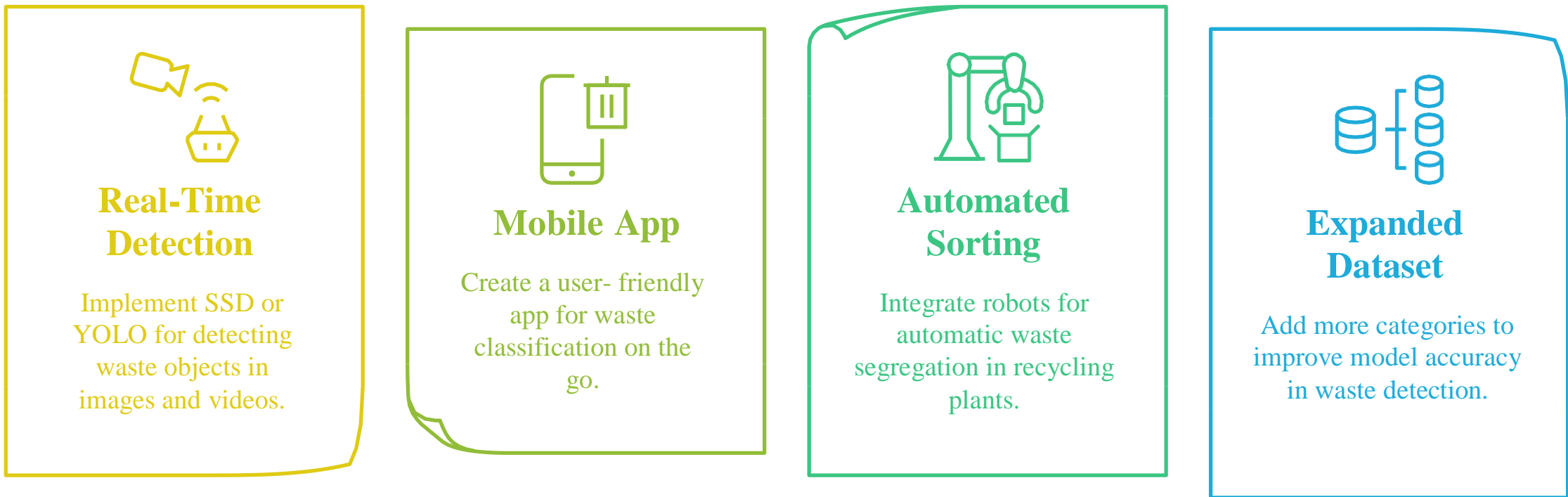
Breaking Down GreenSortify's Feasibility



* Future Scope

Innovative Growth Opportunities

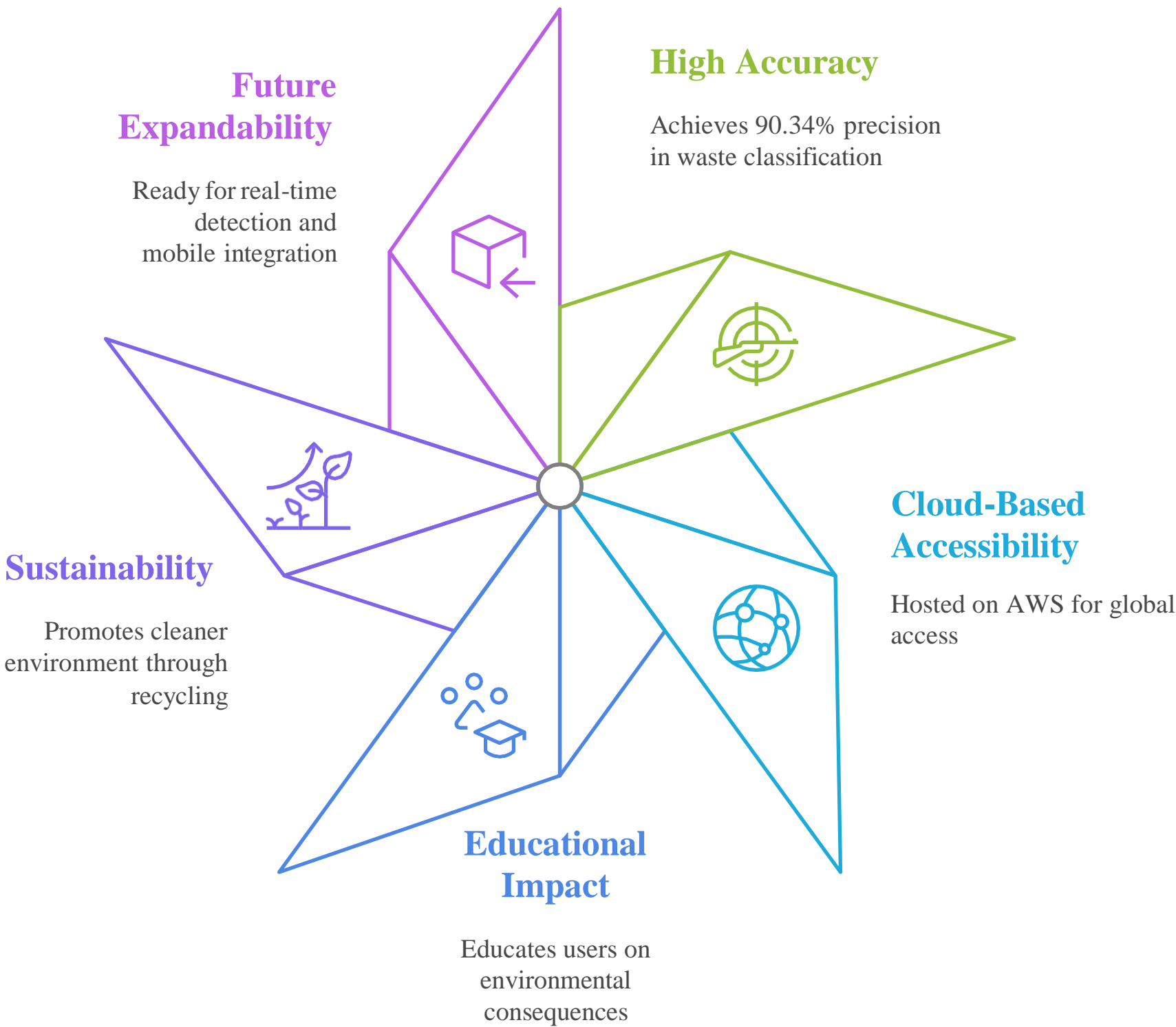
Waste Management Solutions



* USP (Unique Selling Proposition)

What Sets Us Apart?

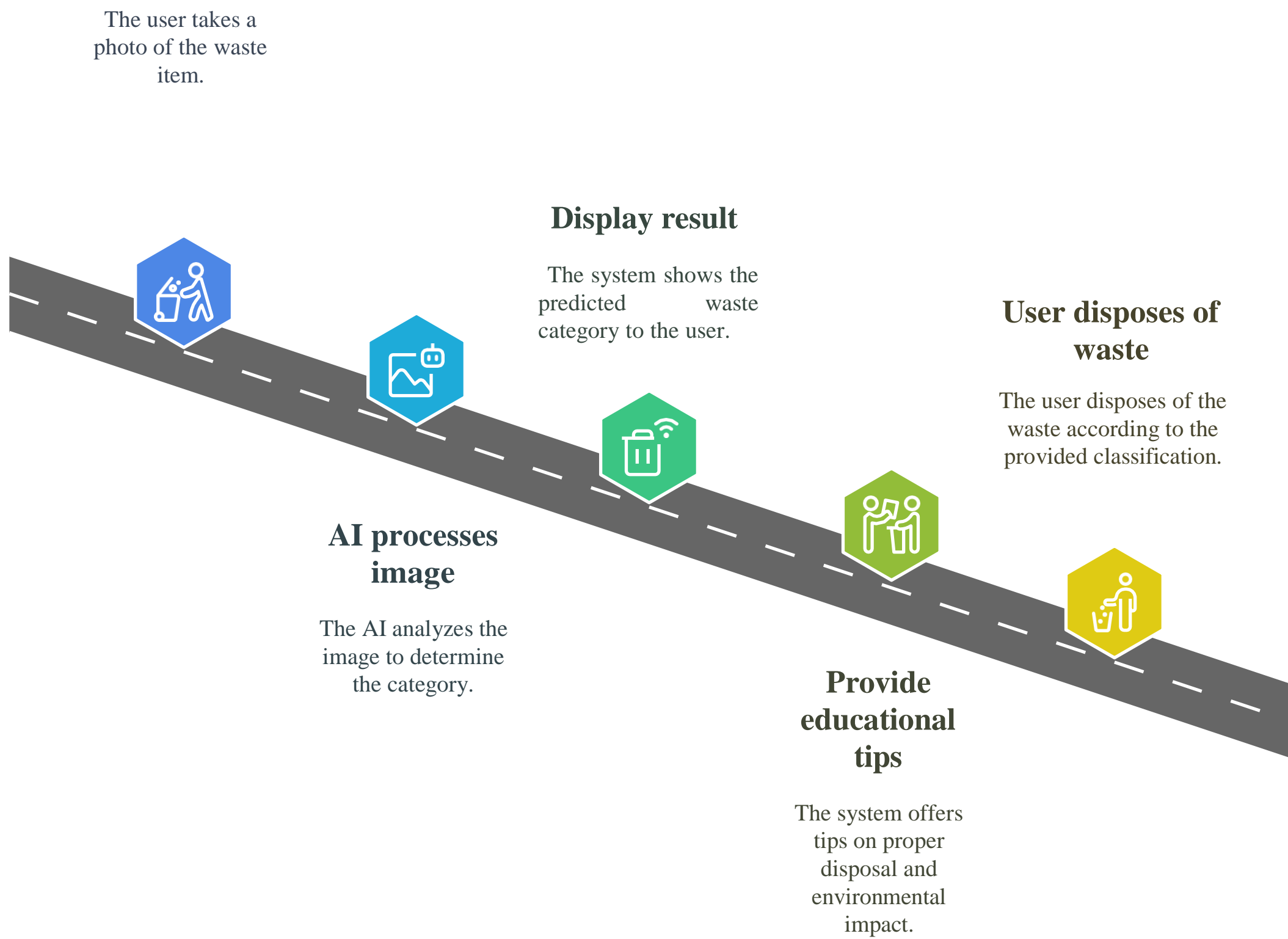
Smart Waste Sorting Features Overview



* How the Solution Works

Smart Waste Sorting Process

User uploads image



* Conclusion

Our Solution is the Future of Waste Management

Revolutionizing Waste Management for a Sustainable Future



AI Classification

Utilizes artificial intelligence to classify waste accurately.



Responsible Disposal

Encourages proper waste disposal practices among individuals.



Education and Technology

Combines educational initiatives with technological advancements.



Future Potential

Explores future advancements like real-time detection and automation.



Community Engagement

Promotes collective efforts to achieve a sustainable future.

