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- **Tech Innovation**

Advanced remote sensing for optimal Rooftop Farming & Gardening placement.

- **Environmental Enhancement**

urban greenery, heat islands, air pollution, biodiversity.

- **Economic Benefits**

Supporting the local economy, and enhancing food self-sufficiency.

- **Social Impact**

Supports food security and community well-being by providing fresh produce to vulnerable groups.

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- **Data Management**

Privacy and large dataset challenges.

- **Costs**

Requires significant initial investment in infrastructures, and maintenance demands continuous investment to enhance the real-time update frequency and accuracy of the data.

- **Stakeholder Support**

Essential to address scepticism and gain consistent support.

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- **Collaborative**

Partnerships *Exploits synergies with public, private, and academic sectors.*

- **Scalability**

Offers potential for replication in other urban environments.

- **Educational Opportunities**

Serves as a platform that fosters alignment with scholarly work and innovative practices, while also acting as a practical foundation for educational initiatives.

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- **Climate Variations**

Vulnerability to extreme weather.

- **Funding**

Relies on limited funding sources, with financial constraints posing risks to project continuity and expansion.

- **Safety and Legal Issues**

Must address safety risks and navigate legal complexities related to rooftop access.