

Circa: $R = f(W)$

「Turning Waste into Resources」

PRESENTED BY

JJ Lim

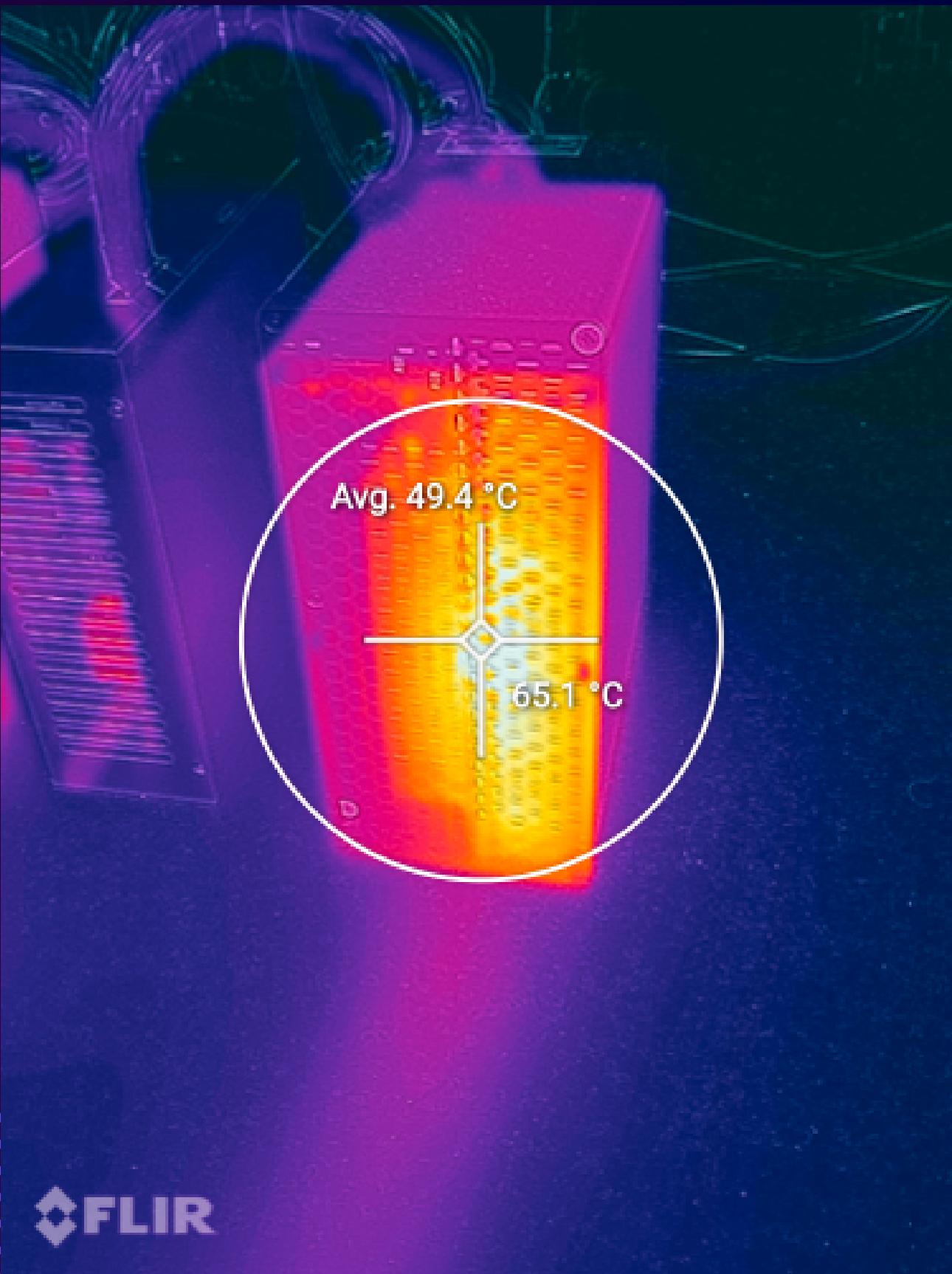
November, 2024

Executive Summary

By integrating *permaculture principles*, Circa establishes a circular and inclusive Web3 economy.

Our *decentralized network*—partnering with **hosting companies, power providers, miners, and real estate operators**—delivers services and products with *minimal environmental impact*.

Circa envisions a resilient ecosystem where *energy inefficiencies* are transformed into opportunities for **ecological and economic growth**.



FLIR

Is it a Problem or an Opportunity?

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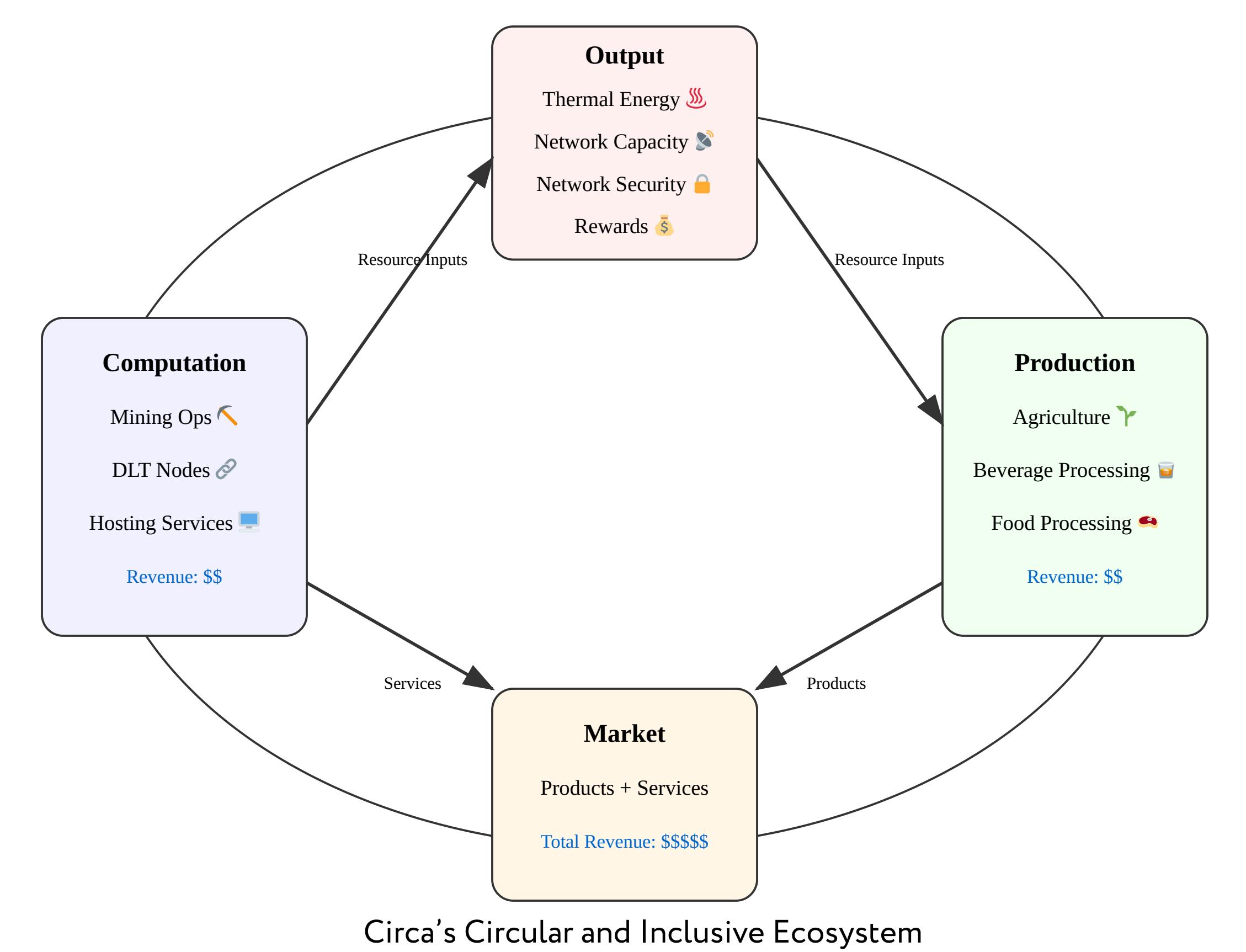
- DePINs generate significant waste heat and consume vast amounts of energy.
- Traditional systems fail to capture this excess energy, leading to inefficiencies and environmental concerns.

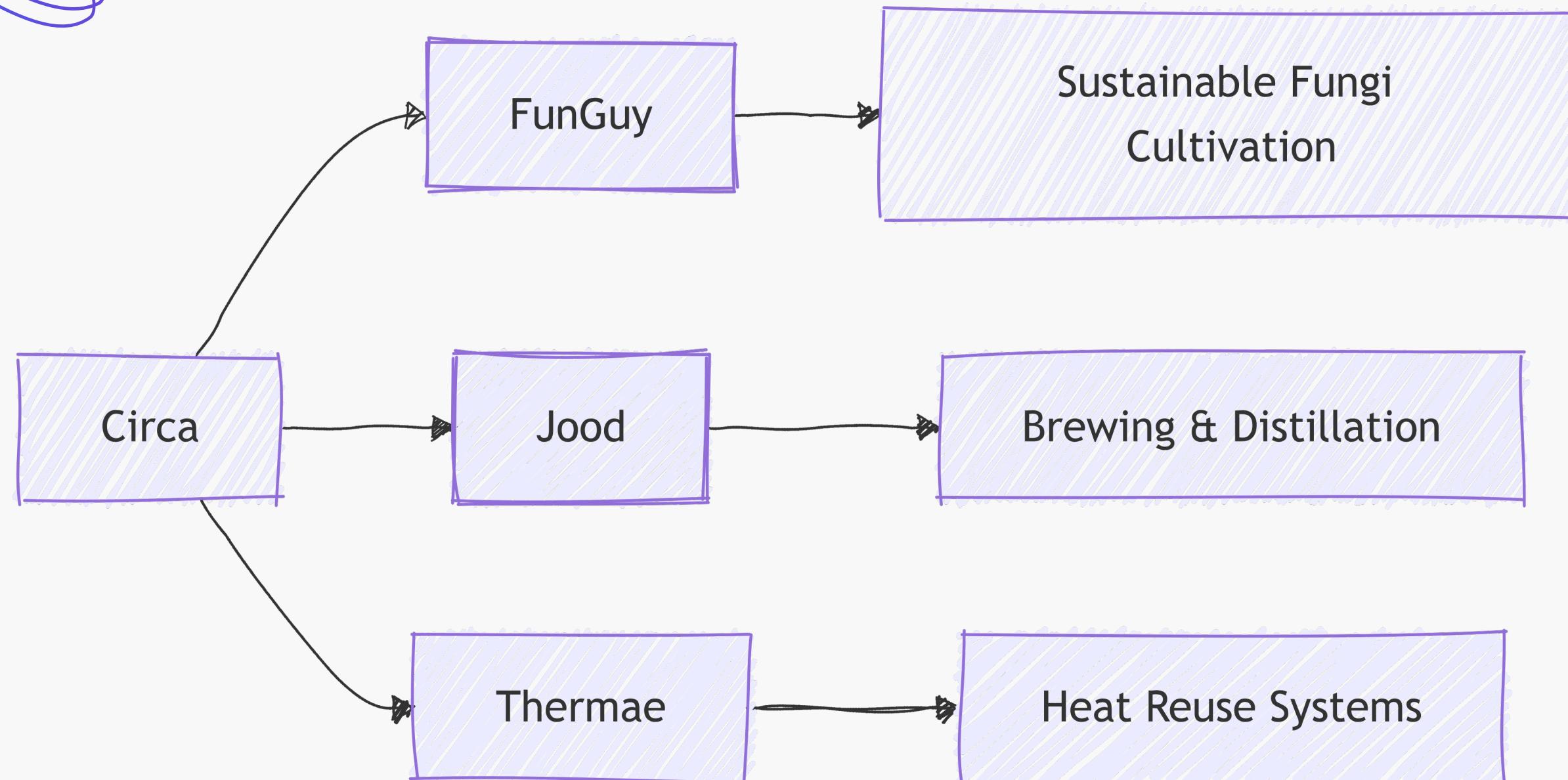
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- Circa repurposes waste heat into valuable resources like agricultural, industrial, and heating applications.
- Aligns with global demand for sustainable infrastructure and renewable energy adoption.

For instance,
excess energy from
hydroelectric plants is often
wasted, BUT mining can
preserve this energy for
valuable applications like
*heating homes and powering
agriculture.*

Circa aims to create a
sustainable, inclusive Web3
ecosystem by leveraging this
opportunity.





“The business plan has been **validated** and **supported** by key industry leaders such as **Caanan** and **HashLabs**”

./circa/FunGuy

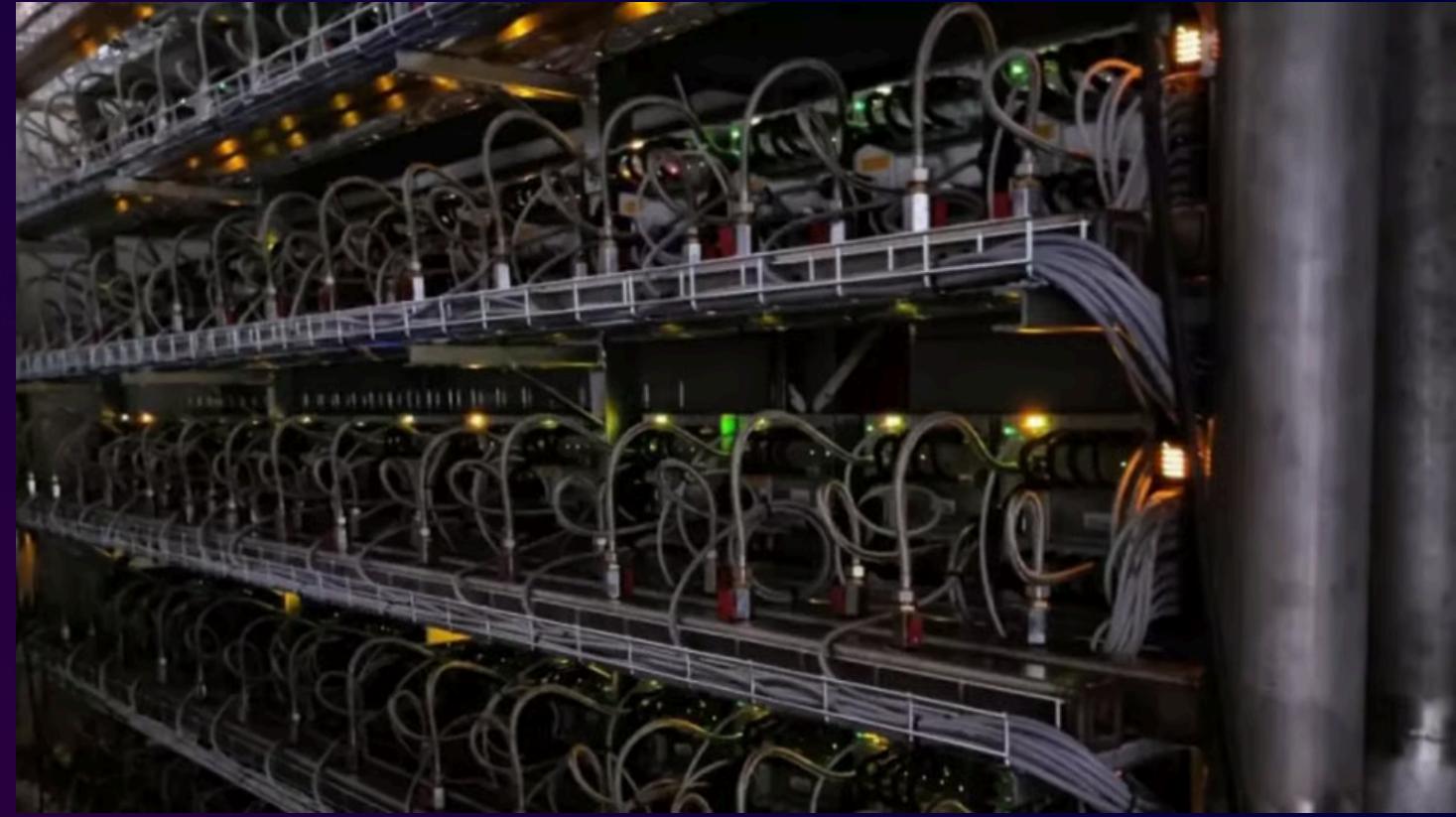


- ***Temperature Control:*** Heat from ASICs/GPUs helps maintain ideal growing conditions for mushrooms.
- ***Energy Efficiency:*** Reduces reliance on traditional heating, lowering energy costs.
- ***Scalability:*** Benefits both small-scale growers and large agricultural operations.
- ***Sustainability:*** Promotes eco-friendly farming practices by reducing energy consumption and carbon footprint.

./circa/Jood

- **Heat Compatibility:** ASICs produce moderate heat suitable for supplementary heating in breweries/distilleries.
- **Integration:** Can be incorporated into existing systems with some space and infrastructure adjustments.
- **Operational Sync:** Continuous heat may not align with production cycles, requiring regulation/storage.
- **Economic Feasibility:** Long-term energy savings with portfolio diversification.



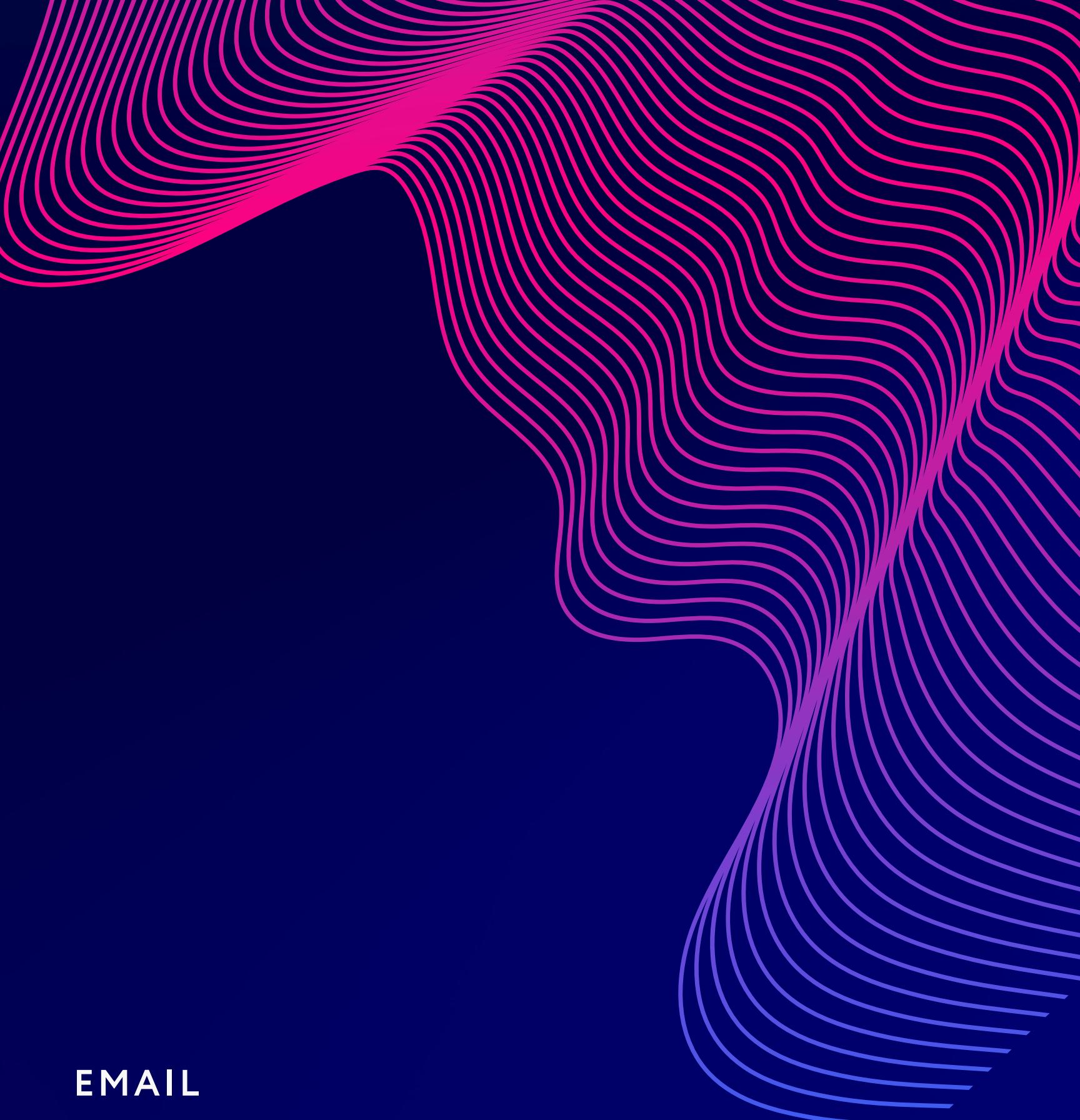


source - www.hashlabsmining.io/finland

.//circa/Thermae

- ***Cost Savings:*** Waste heat can offset heating costs for homes and businesses.
- ***Proven Model:*** Successful in systems like Finland's centralized heating.
- ***Versatility:*** Applicable in both urban and rural areas, especially in high-energy-cost regions.
- ***Sustainability:*** Reduces reliance on traditional heating methods, promoting energy efficiency.

For inquiries,
contact us.

A large, abstract graphic on the right side of the page consists of numerous thin, curved lines that curve and twist from top-left to bottom-right, creating a sense of motion and depth. The lines are colored in a gradient, transitioning from a bright magenta/pink at the top to a deep blue/purple at the bottom.

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