

# GaCycle - Bioleaching



**Ga Demand**  
9.4 tons (2023) - USGS  
28% CAGR (2024-2034)  
100% Imported -China

11.5 tons/yr

100% Domestic



*C. funkei*

- **Low energy demand,** Room Temp Operation
- No inorganic acids
- Up to **90% Ga recovery** (from GaAs)



## Cleaner & Cost-Effective

- 48% Greenhouse gases
- 36% Operational costs



## Value from Waste Wafers

3% Ga vs 0.005% in Bauxite  
\$10 million revenue potential per yr



## Ready to Scale-up

Team background in optimizing and scaling-up mineral biorecovery



## 10 tons/yr by 2030

Steady supply for domestic Ga-chip manufacturing

## GaAs/GaN Wafers

1+ Billion dollar market  
150-424 tons Imported US  
(2022-2023)

## Ga E-Waste

Up to 424 tons of Wafers/year  
(3% Ga Content)

## GaAs/GaN Tech

5G Phones, WiFi Routers 6th Gen,  
LED's, Military radars...

