

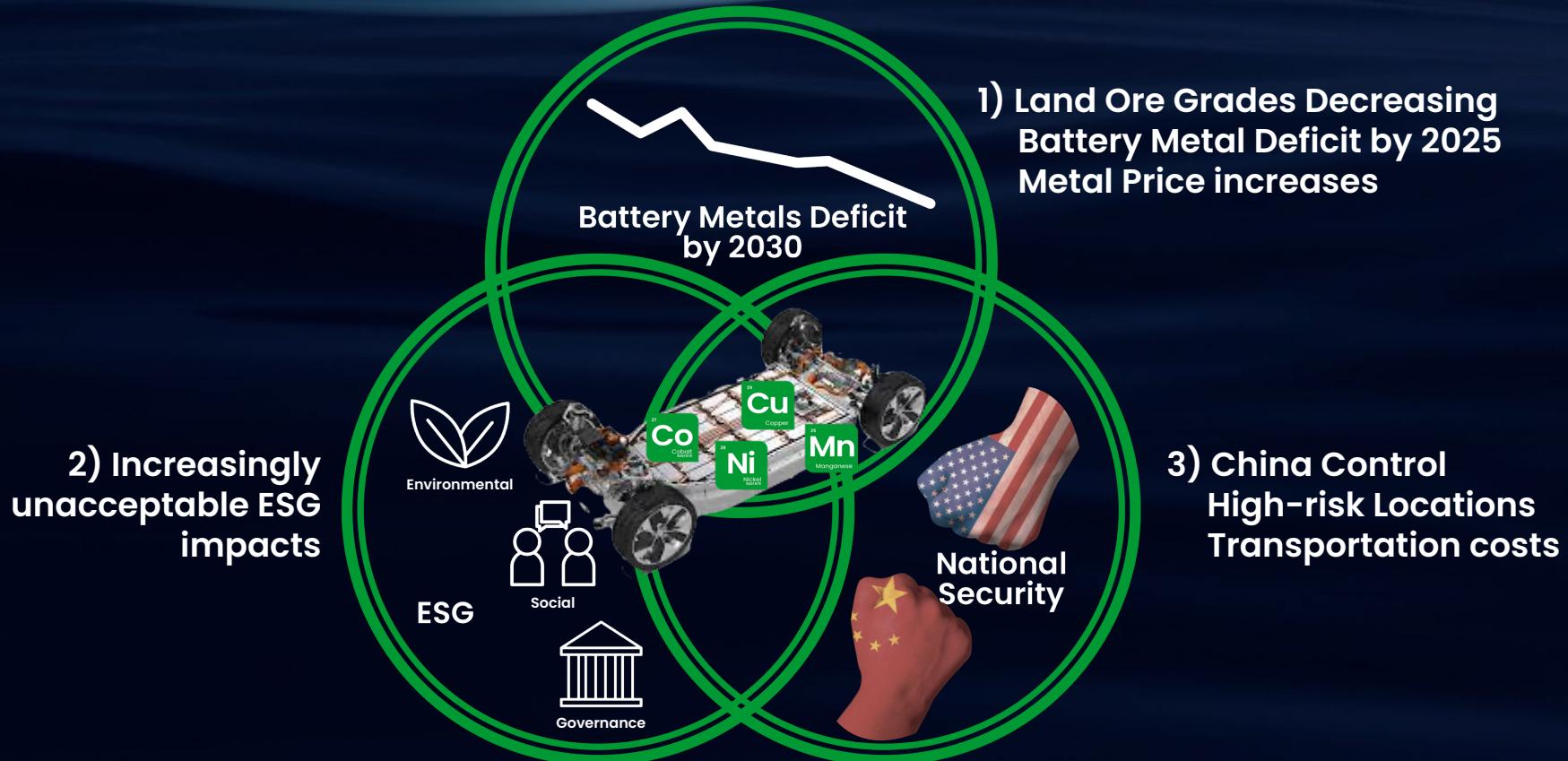


Responsible Robotic Mining of Seabed Battery Metals  
Metal Extraction using Bacteria without Roasting or Leaching

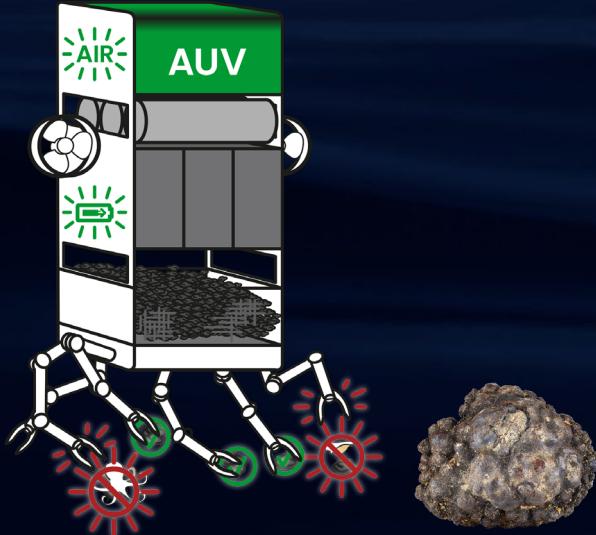


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# Key Problems with Li-Ion Battery Supply Chain

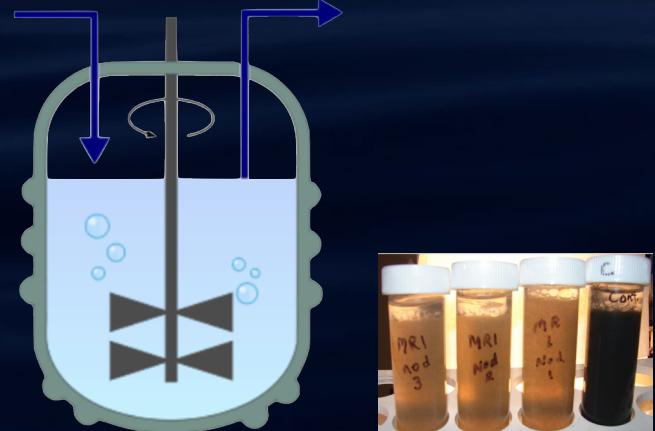


# Company Summary



Robotic collection of polymetallic nodules

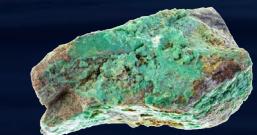
- Abundant (largest source of battery metals)
- High grade (>5x Higher Grade Than Land-based Mines)
- Low production cost (33% less than competitors)
- Very Low ESG impact
  - selective pickup, no serious harm



Bio-Extraction ('microbes breathing rocks')

- Naturally occurring bacterial respiration
- No use of acids or reagents
- Low energy (carbon neutral)
- Patents pending
  - ore processing and battery recycling

# Bio-Extraction Process



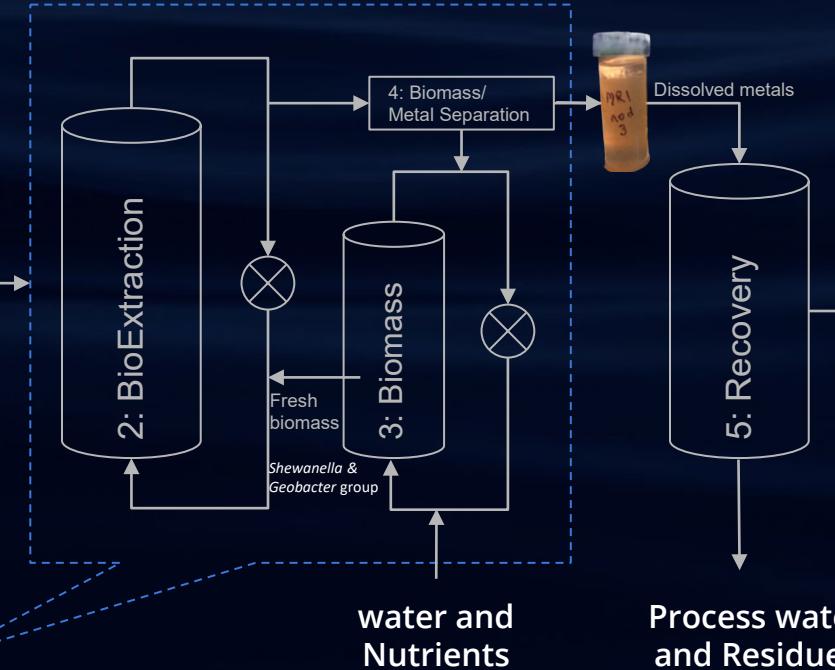
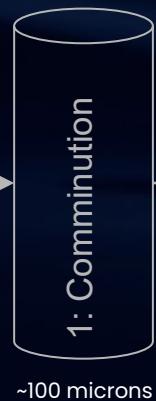
Terrestrial  
Ore



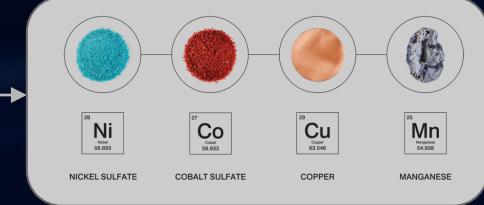
Li-Ion  
Black Mass



Polymetallic  
Nodules



Commercial Grade  
Trace Metals



metal recovery ~85%

New technology  
developed by us

# Summary & Ask

- **Signed partnership with nodule license holder**
- **Ni and Co Supply**
  - Unlocks large resources of Ni & Co
  - Vastly superior ESG performance
  - More reliable & scalable
  - Lowest costs
- **Looking for partners**
  - To supply 'green' Ni & Co Sulfate
  - To test bio-extraction on used cells (black mass)

PDF Slides



<https://impossiblemining.com/naatbatt>