



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

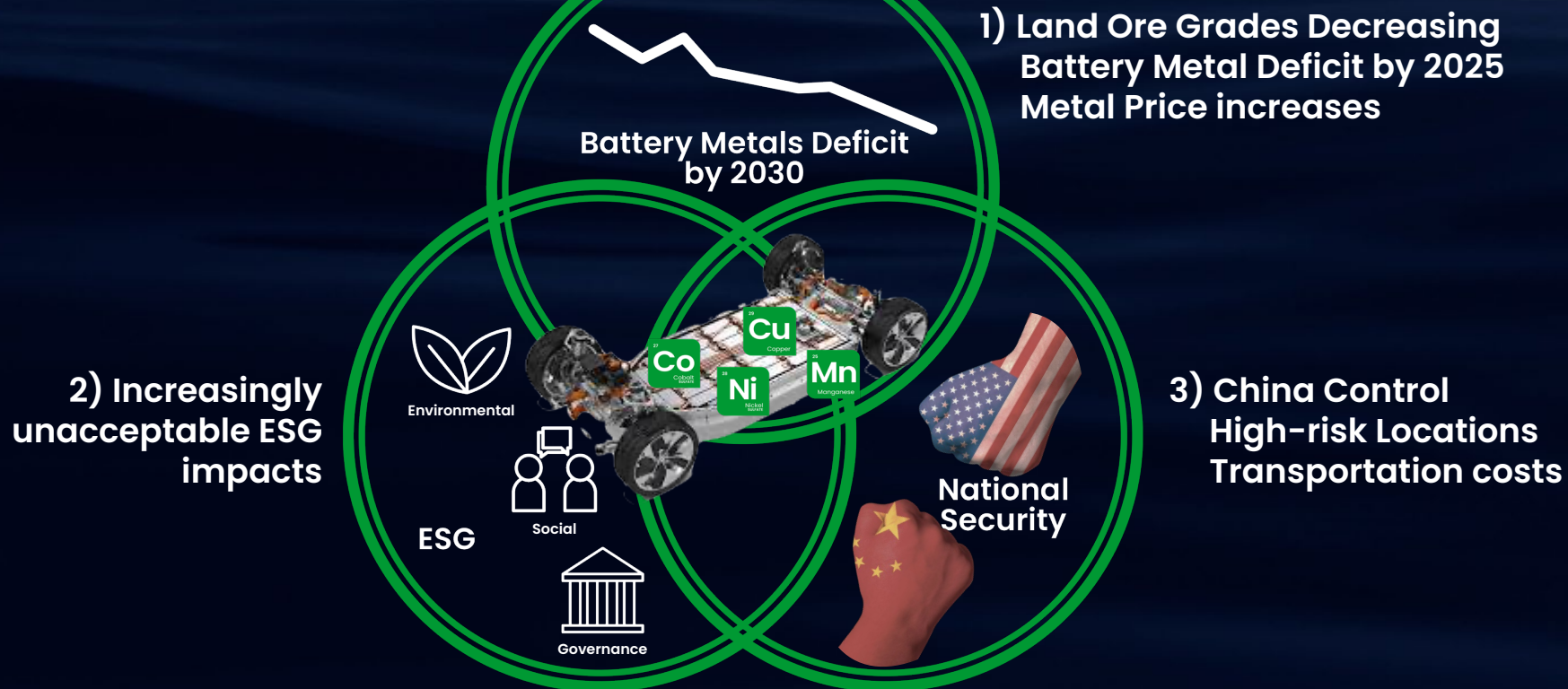


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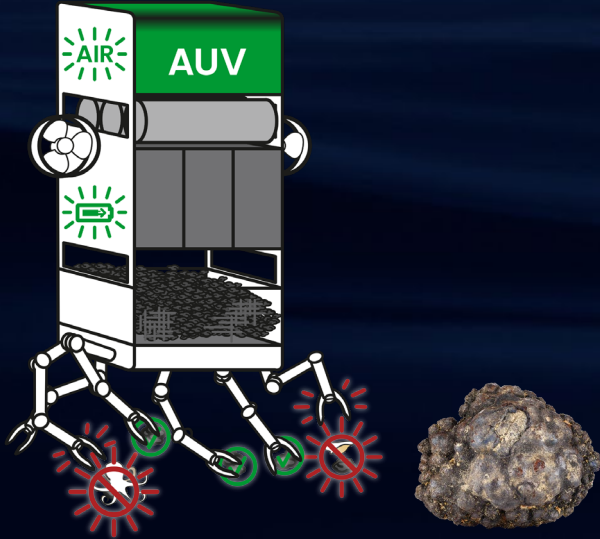
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Key Problems with Li-Ion Battery Supply Chain

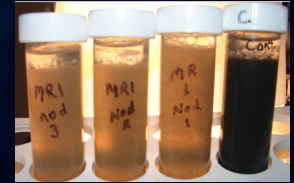


Company Summary



Robotic collection of polymetallic nodules

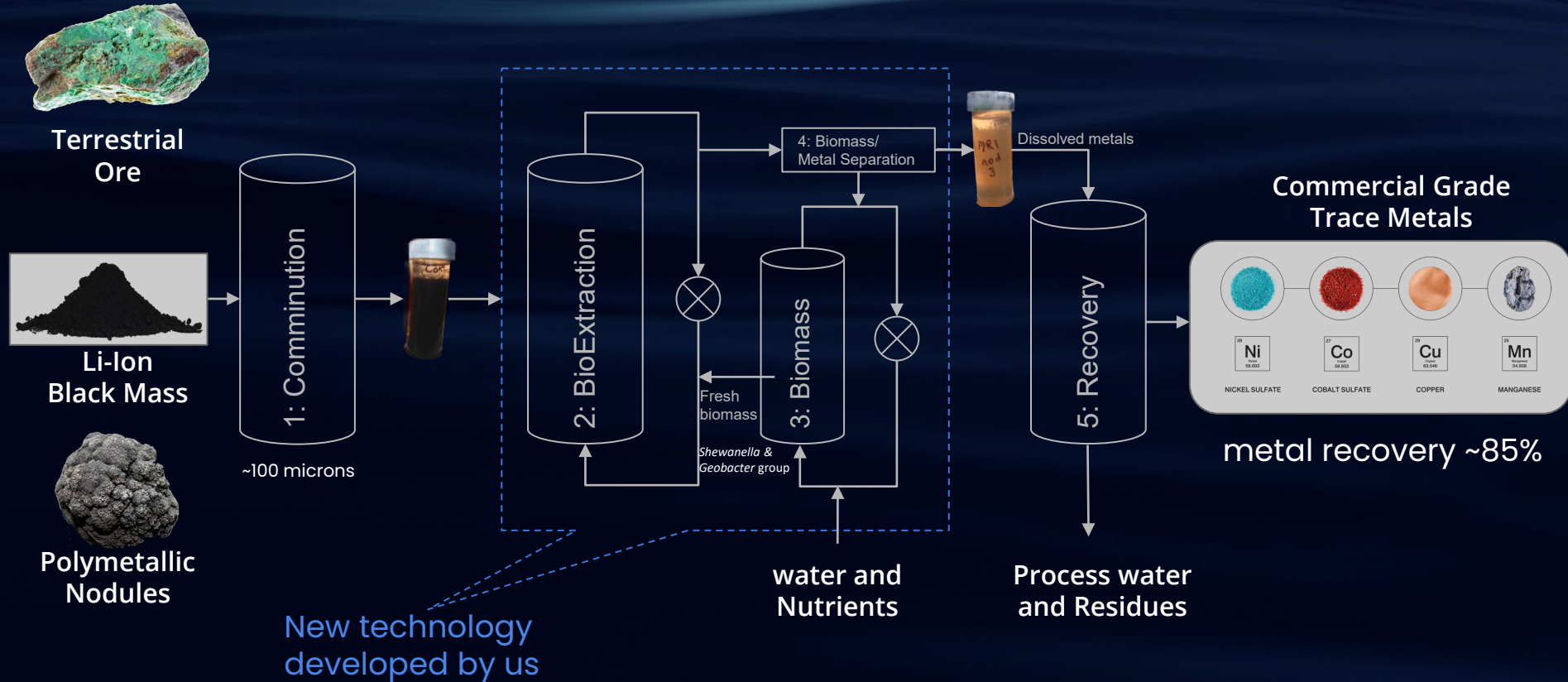
- Abundant (largest source of battery metals)
- High grade (>5x Higher Grade Than Land-based Mines)
- Low production cost (33% less than competitors)
- Very Low ESG impact
 - selective pickup, no serious harm



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



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>