Liquid Metal Battery

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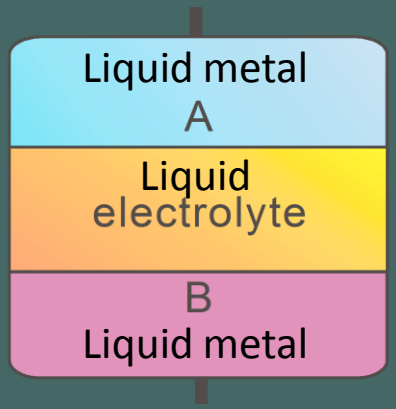
Cell design



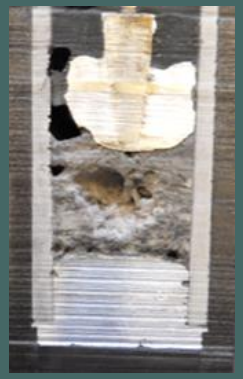
T = 350–700 °C

Properties

All liquid design
↓

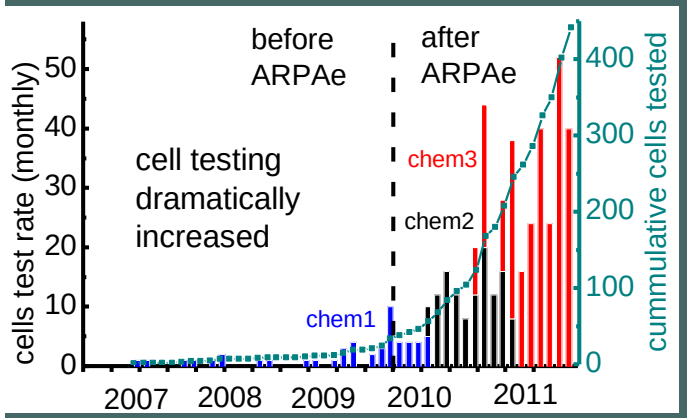
1. **Low cost materials**
2. **Self-segregating**
3. **Robust**
4. **Long lifespan**

Proof-of-principle



Chemistry 1: Mg||Sb

Testing rate



> 400 cells tested to date

Scale-up

1Ah to 20Ah cells

Future work: 200Ah cells, 4 cell stack

Progress

- **New chemistries**
- **< $100/kWh**
- **Negligible capacity fade**
- **70-90 % DC efficiency**