FlexEnergy LLC

What are we making?

1. *Dryer Ready Batteries (via Engineered Membranes)*
   - Pyrolux™ Membrane – High Temperature Batteries, Nonflammable, Safe,
     Better thermal stability
   - Membranes for non traditional Electrolytes

2. *Flexible, Embeddable Storage (Batteries)*
   - Flexible Batteries for Wearables
   - High Temperature Batteries
     - Autoclavable Surgical Batteries
     - Batteries for Downhole Exploration

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A Flexible battery that can be **seamlessly integrated** with smart clothing will enable GEN2 Wearables
Technology

- Fabricated by Direct write additive manufacturing
- Effective method to create complex, multifunctional structures
- No change in battery performance even the battery is flexed or creased hundred of times
- Use of high-capacity cathodes and anodes for high volumetric & gravimetric efficiency
- Materials Agnostic manufacturing approach offers flexibility and reduce risks.
- Bendable, Flexible, Creasible – Robust & can handle extreme stresses
How powerful will FlexEnergy's batteries 2 of 30 inch\(^2\) or 2 - (193.548 cm\(^2\)) batteries be?

5” x 6” pocket = 30 inch\(^2\)

with 2 mAh/cm\(^2\) - 774 mAh
with 7 mAh/cm\(^2\) - 2709 mAh

Q2 2022 (2 mAh/cm\(^2\), 774 mAh)
2 Apple Watch Series 6 (44mm) - 606 mAh

Q4 2022 (7 mAh/cm\(^2\), 2709 mAh)
Apple iPhone X - 2700 mAh