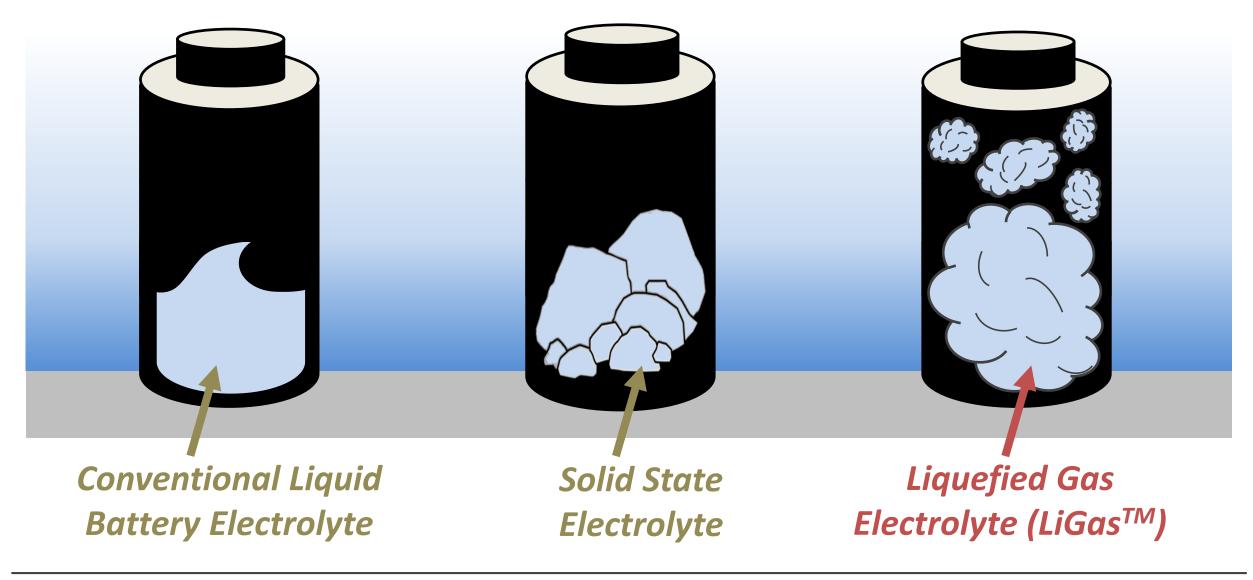


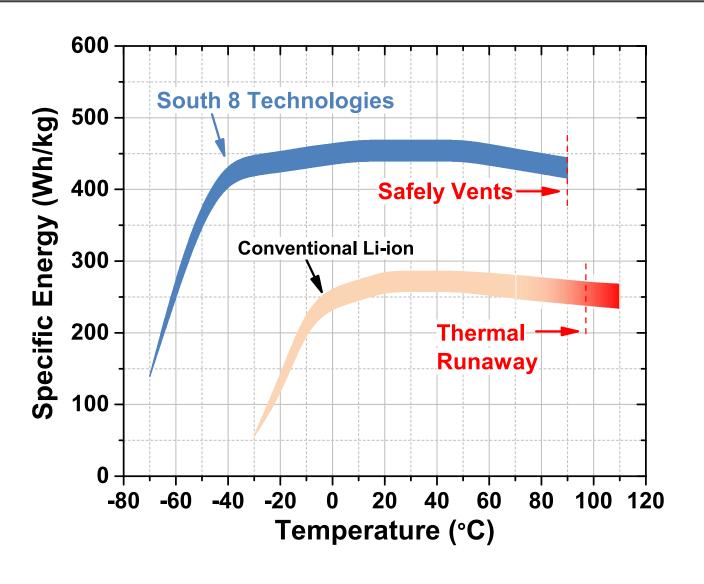
## Liquefied Gas Electrolytes for Lithium Metal Batteries





Rustomji, Cyrus S., et al. Science 356.6345 (2017): eaal4263.

### **Value Propositions**







# \$





#### 450 Wh/kg, 1000 Wh/L

2x capacity on single charge reducing mass and volume

SOUTH 8 TECHNOLOGIES

#### **Improved Safety**

Reduced risk of revenue loss from recalls and personnel injury

#### -80 to +60 °C Operation

Reduced engineering costs of thermal management systems

#### **Cost Savings**

30% lower \$/kWh reducing barrier to entry of key technologies

#### **Material Compatibility**

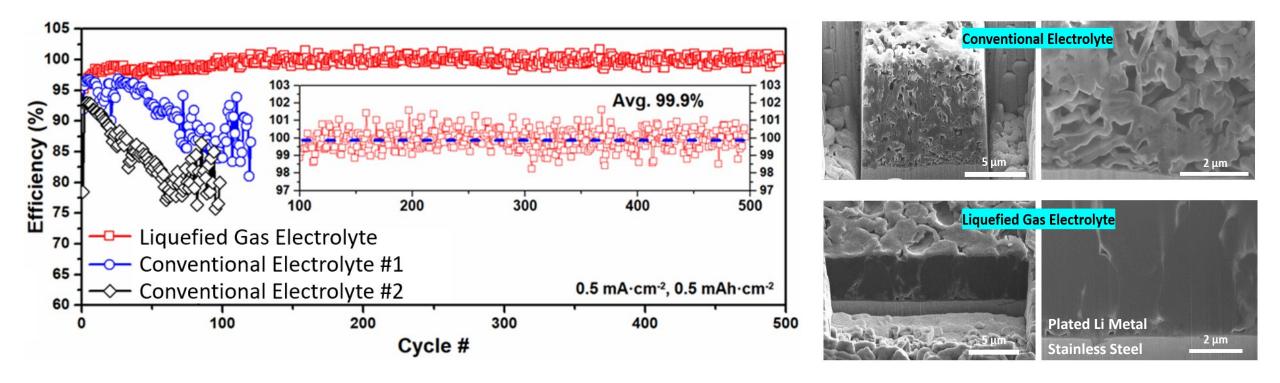
Existing supply chain provides all necessary components at scale

#### Manufacturing Compatibility

Minimal switching cost reduces barriers to adoption

#### **Lithium Metal Anode**



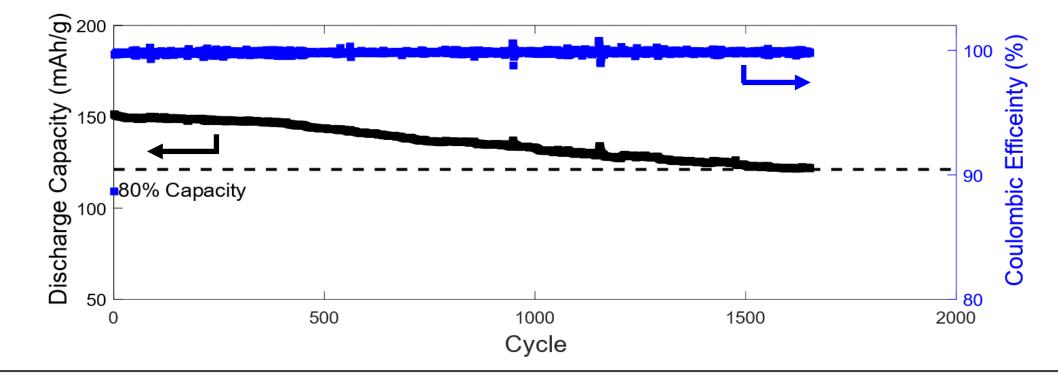


### Life Performance



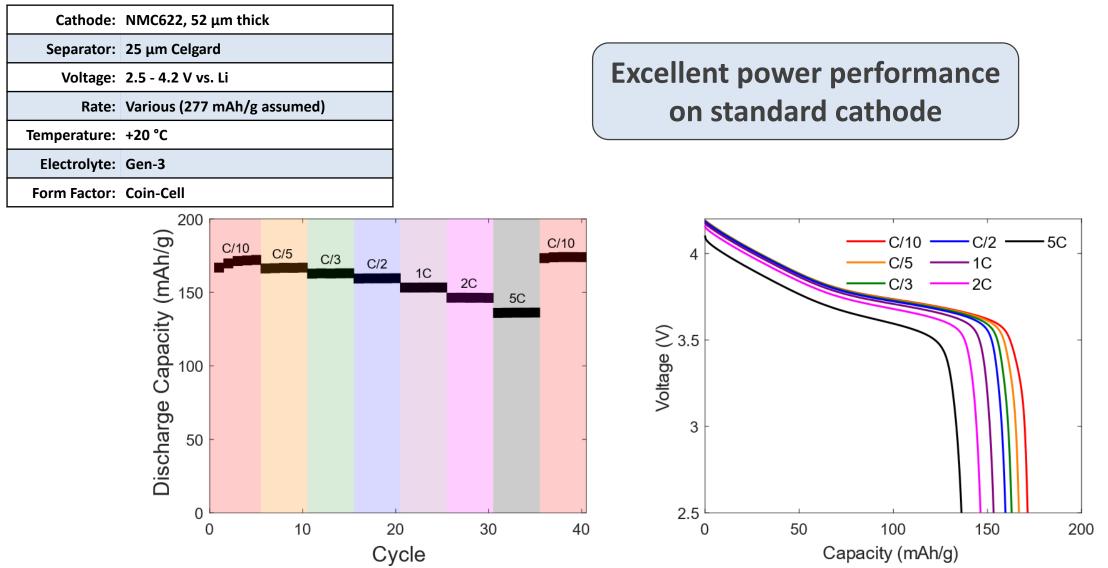
Form Factor: Coin-Cell

## Excellent life performance >1600 cycles at 4.2 V w/ 100% DoD



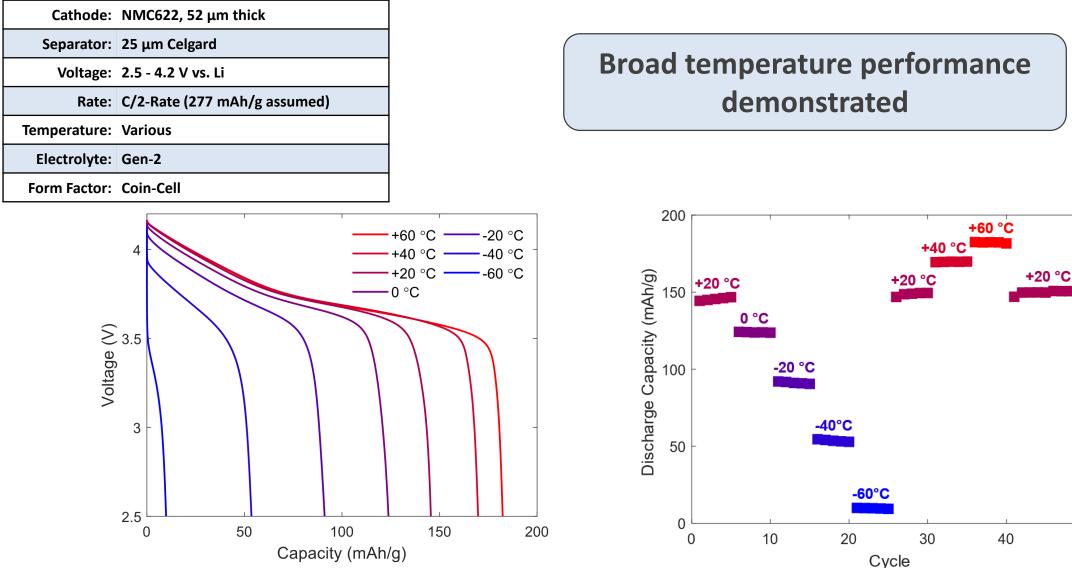
### **C-Rate Performance**





#### **Temperature Performance**





Confidential and Proprietary

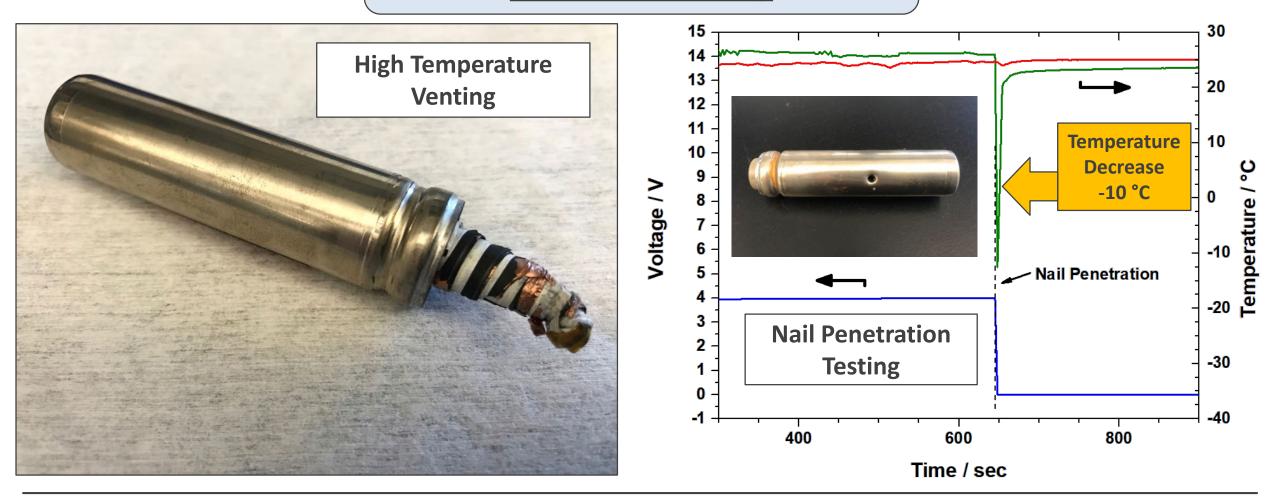
50

#### **Superior Safety**



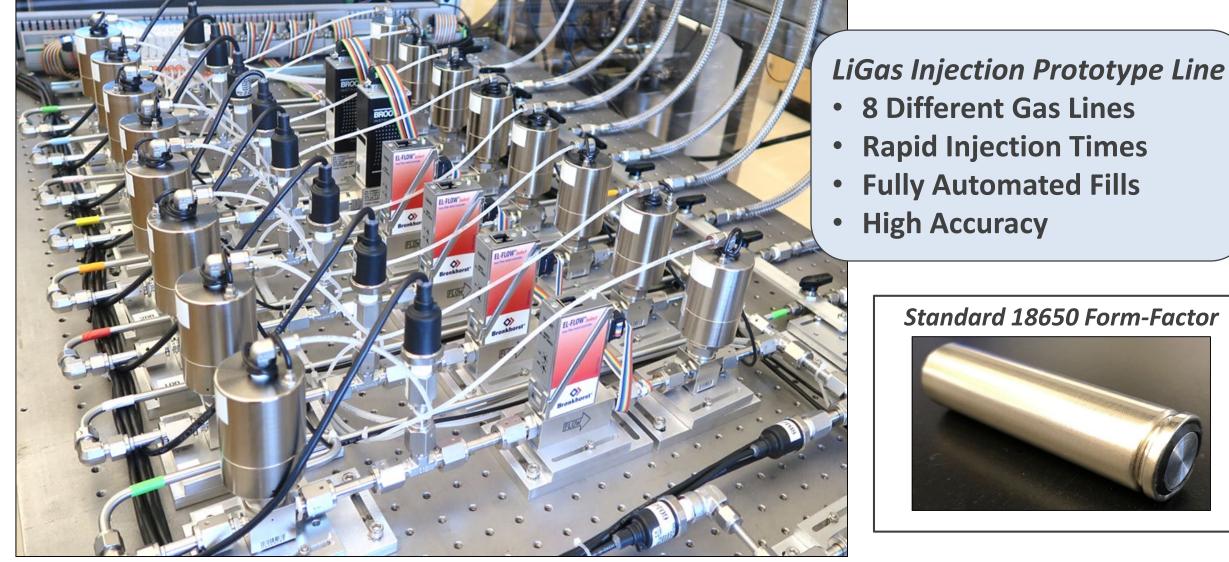
No fire. No spark. No thermal runaway.

**Non-toxic chemistry** 



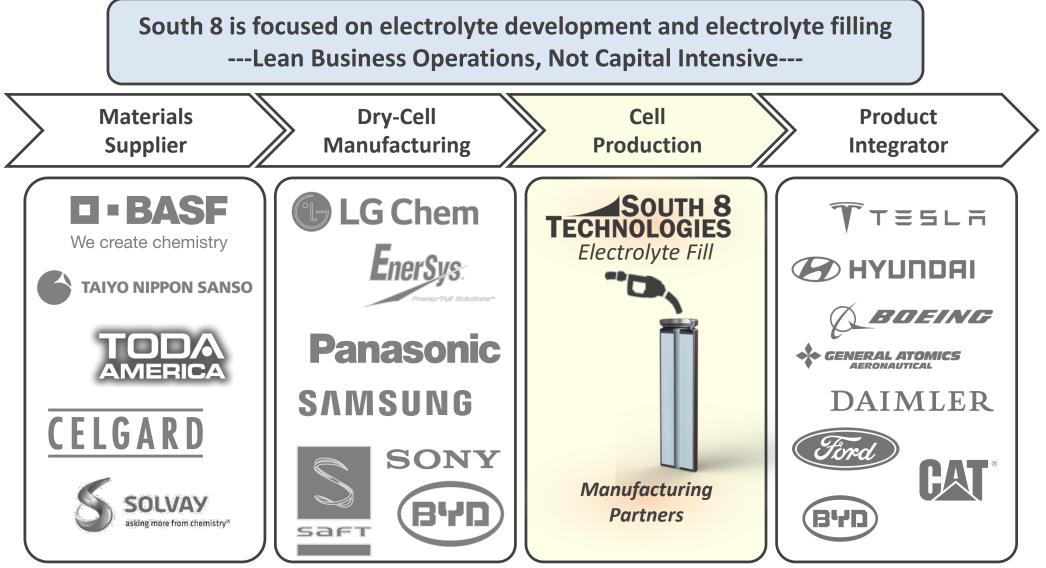
### Manufacturability Validated





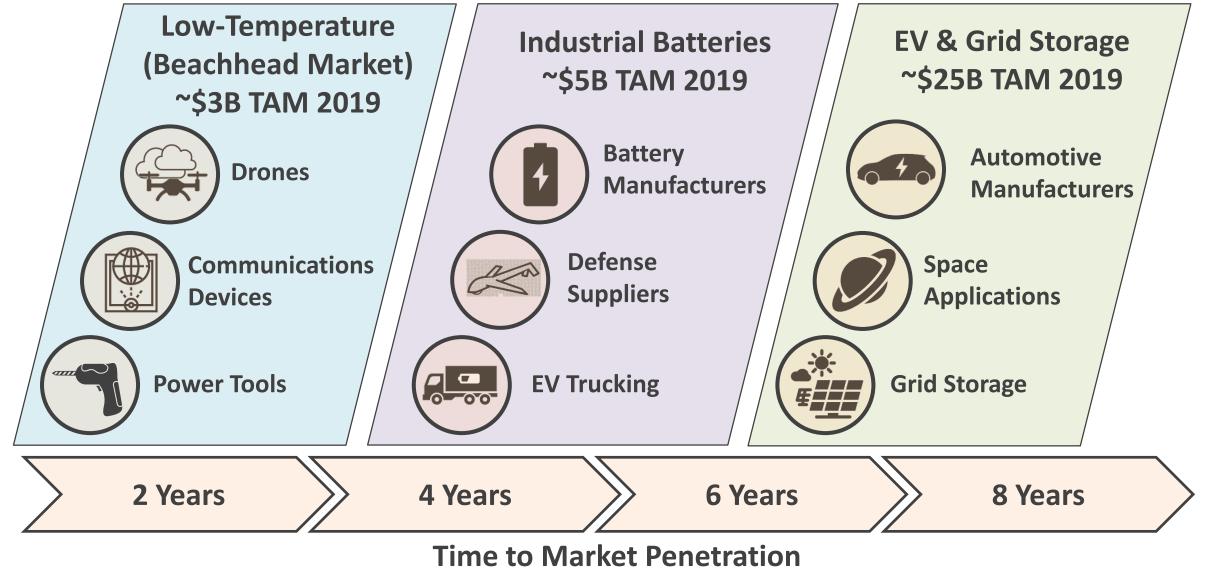
### **Role in Value Chain**





### **Customer Timeline**

### SOUTH 8 TECHNOLOGIES

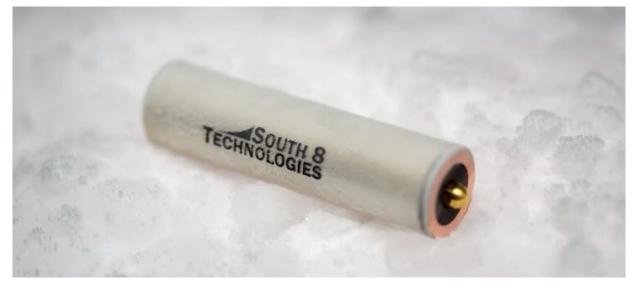


#### **Funds to Date**









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