# Inclusive Energy Innovation Prize



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U.S. DEPARTMENT OF ENERGY

# **SEA-RATE**

Seawater Battery: The Next Generation of Renewable Energy Storage

# **Problem Statement**

Governments, businesses, and communities are joining the "Net-Zero World Initiative" by switching to cleaner energy sources. Lithium-ion batteries are commonly incorporated into renewable energy storage; however, they contain heavy metals and flammable liquids, an exponential rise in demand has led to overconsumption, and raw materials are sourced from unethical mining in disadvantaged communities. It's time to start finding an alternative to current lithium-ion battery technology.

## **Mission Statement**

Our team is part of 13% of women in mechanical engineering directly propelling the industry to discover solutions by our contribution in diversity and perspective. We commit to supporting the mission towards an environmentally cleaner future, today.

#### Link video pitch:

https://www.youtube.com/watch?v=x1fF30LH6yw

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